



2019-2020

Undergraduate Catalog



Benedictine
University
Lisle

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ACCREDITATION

Benedictine University is accredited by The Higher Learning Commission, the Commission of Collegiate Nursing Education, The Accreditation Council for Education in Nutrition and Dietetics (ACEND) of the Academy of Nutrition and Dietetics, the Council on Education for Public Health, Illinois State Board of Education, and the Organizational Development Institute. Membership in the State Authorization Reciprocity Agreement (SARA).

Benedictine University has been granted regular degree and vocational licenses by the Arizona State Board for Private Postsecondary Education to offer programs in Arizona.

MISSION

Benedictine University is an inclusive academic community dedicated to teaching and learning, scholarship and service, truth and justice, as inspired by the Catholic intellectual tradition, the social teaching of the Church, and the principles of wisdom in "The Rule of St. Benedict."

VISION

Benedictine University aspires to be a thought leader in Catholic higher education. We seek to provide a transformative and integrative educational experience grounded in Benedictine values, helping students shape lives of meaning and purpose as engaged citizens who care for the earth, welcome people of diverse faiths and cultures, and promote the common good.

COMMITMENT

Benedictine University's mission and vision reflect its Catholic and Benedictine identity, providing continuity with the past and a direction for the future.

In 1887 the monks of St. Procopius Abbey founded Benedictine University. They have been active sponsors of the institution throughout its history, first as St. Procopius College, later as Illinois Benedictine College, and today as Benedictine University. The monks base their lives on "The Rule of St. Benedict," written in the sixth century. They share the Benedictine charism with all who embrace the University's Catholic and Benedictine mission.

Education at Benedictine University is rooted in values lived by Benedictine monks and sisters. These values are conveyed by the "Ten Benedictine Hallmarks" as formulated by the Association of Benedictine Colleges and Universities:

- love of Christ and neighbor;

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- prayer: a life marked by liturgy, *lectio* and mindfulness;
- stability: commitment to the daily life of this place, its heritage and tradition;
- *conversatio*: the way of formation and transformation;
- obedience: a commitment to listening and consequent action;
- discipline: a way toward learning and freedom;
- humility: knowledge of self in relation to God, others and creation;
- stewardship: responsible use of creation, culture and the arts;
- hospitality: openness to the other; and
- community: call to serve the common good.

Inspired by these hallmarks, and convinced of the harmony of faith and reason, Benedictine University cultivates virtues of intellect and character, encouraging people to study, listen, and engage the ideas of a variety of persons, cultures, and disciplines, while imparting “the love of learning and the desire for God” to guide a lifelong pursuit of knowledge and wisdom.

As a Catholic University, we are guided by the academic ideals presented in the Apostolic Constitution on Catholic Universities *Ex corde Ecclesiae*, including:

- a Christian inspiration not only of individuals but of the university community as such;
- a continuing reflection in light of the Catholic faith upon the growing treasury of human knowledge, to which we seek to contribute by our own research;
- fidelity to the Christian message as it comes to us through the Church; and
- an institutional commitment to the service of the people of God and of the human family in their pilgrimage to the transcendent goal which gives meaning to life.

The University’s curriculum, policies and activities draw on the wisdom of the Church regarding ways to build a just society and live lives of holiness in the modern world. To that end, the University engages key themes of modern Catholic Social Teaching identified by the United States Conference of Catholic Bishops:

- life and dignity of the human person;
- call to family, community, and participation;
- rights and responsibilities;
- option for the poor and vulnerable;
- the dignity of work and the rights of workers;
- solidarity; and
- care for God’s creation.

As a member of the Association of Benedictine Colleges and Universities, Benedictine University is committed to academic and professional excellence. We strive to promote the common good and to assist individuals to lead lives of balance, generosity, and integrity. We reflect upon Gospel values as interpreted by “The Rule of St. Benedict” and therefore take seriously:

- the primacy of God and the things of God;
- reverent listening for the varied ways in which God is revealed;

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- the formation of community built on respect for individual persons who are each regarded as Christ himself;
- the development of a profound awareness of the meaning of one's existence; and
- the exercise of good stewardship.

MOTTO

Ut in omnibus glorificetur Deus – That in all things God may be glorified.

NON-DISCRIMINATION POLICY

In administering its affairs, Benedictine University does not discriminate against any person on the basis of race, creed, color, national or ethnic origin, sex, age, disability, military or veteran status, marital status, citizenship, or any other characteristic protected by applicable law. The laws applicable to Benedictine University include constitutional and statutory protections of the University's rights as a religiously sponsored institution.

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.
2. To protect both the student's and the University's interests by ensuring 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.

General Education Curriculum

At Benedictine University, our General Education Curriculum is at the heart of all undergraduate degree programs. Required courses include two Interdisciplinary Seminars: IDS 2201, 2202, 2203 or 2204 Catholic and Benedictine Intellectual Traditions; and IDS 3301, 3302, 3303 or 3304 Human Dignity/The Common Good. Topics for these seminars will vary depending on faculty areas of expertise, but all sections of the seminars involve exploration of the relationships between areas of knowledge and of real-world ethical and intellectual challenges. IDS 2201, 2202, 2203 and 2204 are informed by the resources of the Catholic and Benedictine intellectual traditions and their hallmarks,

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which include valuing community, extending hospitality to all persons and promoting the exchange of ideas. IDS 3301, 3302, 3303 and 3304 are informed by the ideals of human dignity and the common good from Catholic Social Teaching and that emphasize mutual responsibility, cooperation and respect. The seminars are designed and staffed by Benedictine University faculty across disciplines and curricula, ensuring that all undergraduates have the opportunity to learn and practice integrative skills that promote professional success and career flexibility.

The General Education Curriculum also requires all undergraduates to complete a Liberal Arts-based system of curricular and co-curricular electives in areas representing multiple disciplinary approaches and modes of problem-solving. These distribution requirements are courses designated by programs and departments as representing critical skill and knowledge areas for active and responsible citizenship and stewardship of the earth, lifelong learning, global awareness, integrative knowledge and effective interpersonal communication. The distribution requirements of the curriculum includes coursework in the arts and humanities, sciences and social sciences. To enhance effective and broad-based learning, the General Education curriculum also requires students to complete designated global and sustainability courses or activities, as well as Learning Community and Engaged Learning co-curricular experiences.

Goals of the General Education Curriculum

1. Critical-Thinking and Problem-Solving
 - a. Demonstrate critical-thinking and analysis.
 - b. Identify, study and solve problems.
 - c. Achieve computational skills and an ability to understand and interpret numerical data.
 - d. Work cooperatively as a member of a team.
2. Communication
 - a. Express concepts and ideas clearly, creatively and effectively in oral and written forms.
 - b. Understand and interpret written, oral, visual and aural forms of communication.
 - c. Demonstrate interpersonal communication skills consistent with effective academic discourse.
3. Information Fluency
 - a. Navigate different information formats and media technologies to find pertinent information.
 - b. Evaluate sources of information critically to conduct responsible research.
 - c. Become an active, informed and creative user of established and emerging technologies.
4. Global Perspective
 - a. Recognize the interdependence of peoples and nations, and understand the forces that connect and divide them.
 - b. Understand the benefits of diversity of perspectives, abilities and cultures.
 - c. Understand the relationship between language and culture, and communicate effectively and respectfully across cultural boundaries.
 - d. Relate the person to community and the local to the global.

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5. Social Responsibility
 - a. Engage ethical problems thoughtfully and actively, and contribute to the work of peace and social justice.
 - b. Understand conflict resolution processes.
 - c. Practice stewardship of self and the environment, and understand the principles of wellness and sustainability.
 - d. Develop the traits of good citizenship, and gain knowledge and skills necessary for civic engagement.
6. Personal Growth
 - a. Develop intellectual curiosity and a desire for lifelong learning.
 - b. Strive for a life lived in balance.
 - c. Cultivate leadership skills.
 - d. Nurture the capacity for creative and artistic expression.
7. Breadth of Knowledge and Integrative Learning
 - a. Use knowledge, theories and methods from the arts, humanities, natural sciences, and social sciences to raise and address questions germane to those areas of study.
 - b. Recognize relationships among different disciplinary approaches to the study of human cultures and the natural world.
 - c. Integrate learning from different disciplines to illuminate intersecting topics of investigation.
 - d. Explore connections between classroom knowledge and real-world experiences.
8. Catholic and Benedictine Traditions
 - a. Understand the Catholic intellectual tradition: its philosophy, theology, practice, history and engagement with questions of our time.
 - b. Understand "The Rule of St. Benedict" and the contributions of Benedictine monasticism to history, culture, spirituality and education.
 - c. Show knowledge of how different religions and philosophies view the human person, spirituality and the divine.

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

A student-at-large (SAL) 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

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formal admissions process. Admission and acceptance of credits completed is subject to the discretionary approval of the University.

Courses taken as a SAL do not count toward the residency requirement if the SAL is later admitted to degree status. SAL credit may fulfill other graduation major 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 former SAL student must meet are those designated in the catalog in effect during the term 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 students may request to transfer to another college. Students take 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 bachelor's degree in one subject area from another institution and would like to gain expertise in another subject area. Students who have earned 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 complete one IDS 2000 level course in addition to the requirements of their degree program. Students must be enrolled in at least one course per term. Life experience credit, transfer and College Level Examination Program (CLEP) exam credit may be counted toward the program requirements, if appropriate, as determined by each department. However, at least 12 semester credit hours of 3000-level or above classroom courses must be completed at Benedictine University. Applicability of courses taken as a 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 regionally accredited college or university transcript and meets the criteria set by the Transfer Credit Policy. Coursework with a potential to count toward basic skills or major requirements is subject to review by the appropriate department chair/program director and may not fulfill degree requirements.

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Accepted dual coursework will be posted on the transcript indicating completion prior to high school graduation. Dual coursework is not included in the cumulative GPA earned at Benedictine University.

Benedictine University Dual Credit Program Policy

The Benedictine University Dual Credit Program allows junior and senior students at partnering high schools the ability to earn credit for college-level courses prior to high school graduation. Students enrolled in approved dual credit courses will receive Benedictine University credit while at the same time fulfilling high school requirements. Credit earned for courses taken through the Benedictine University Dual Credit Program are recorded on an official Benedictine transcript and are transferrable to many accredited colleges and universities. The receiving transfer institution will always make the final decision on the transferability of courses. Please refer to the following link for more information on the Dual Credit Program: ben.edu/admissions/undergraduate/freshman/dual-credit.cfm.

External Credit Program

Benedictine University allows students to present various external programs for credit consideration. Credit awarded in the external credit program is subject to evaluation and must be submitted on official documentation. External credit will not fulfill co-curricular degree requirements (i.e. sustainable, global, etc.) unless otherwise specified. External credit presented on another institution's transcript will not be accepted in transfer – students must submit separate documentation to Benedictine University. Benedictine University reserves the right to apply posting fees to student accounts for credit awarded for external credit. External credit is not included in a student's GPA calculation. Students must be enrolled in classes to post external credit. Unless otherwise specified, a student is allowed a maximum of 30 credit hours of external credit for degree consideration.

1. The Advanced Placement (AP) Program: AP exams are accepted in accordance with Benedictine University's AP credit award program. Students are required to submit official score reports from College Board/AP for consideration and AP exams must have been taken prior to high school graduation. AP Credit cannot be awarded for a subject if the student has already received institutional credit. Benedictine University reserves the ability to determine how the institutional credit shall be granted if the student can earn the credit through more than one means. Benedictine University adopted a new AP award structure effective for the 2017-18 catalog. Students must earn at minimum an AP score of 3 to receive credit.
2. Benedictine University recognizes the International Baccalaureate (IB) Diploma Programme which offers high school students quality two-year programs of studies which lead to examinations. Students are required to submit official score reports from IB for consideration and IB exams must have been taken prior to high school graduation. Benedictine University will award credit for scores of 4 or higher on International Baccalaureate Diploma Programme subjects - including Standard and Higher Level examinations. Credit awards will be determined by the appropriate departments. Duplicate credit will not be awarded in the case where credit has already been earned for the equivalent course from another source (i.e. dual coursework, AP, etc.).
3. College Level Examination Program (CLEP): CLEP exams are accepted in accordance with Benedictine University's CLEP credit award program. Students are required to submit official score reports from CLEP for consideration. CLEP credit will not be awarded for any institutional

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transcribed credit. CLEP credit for major coursework must be approved in advance by an advisor and department.

4. **Work/Life Experience Credit:** Work/Life experience credit represents attainment through work or other non-academic experience that Benedictine University undergraduates obtain in the classroom. This credit must be attained with the same degree of competence in a subject area (grade of "C" or higher). Consideration for work/life experience must align with a course specifically described in Benedictine University's catalog and may only be considered for students in the Adult Programs at Benedictine University.
5. **Military Credit:** Benedictine University accepts for consideration under the military credit program. Credit on a military transcript issued by any branch of the armed services; credit presented on a Joint Services Transcript (JST); credit for training courses and programs that have been evaluated by a national higher education associate such as the American Council on Education (ACE) Military Guide credit recommendations; military training or experience that may be otherwise documented.
6. **ACT Proficiency Examination Program (PEP) Test:** At Benedictine University, PEP allows Bachelor of Science in 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 semester credit hours. These 24 semester credit hours are not considered external credit and therefore do not count toward the 30 semester credit hour limit.
7. **Proficiency and placement credit by department:** The Department of Languages and Literature provides students options for proficiency credits in accordance to faculty review and reserves the right to make equivalency decisions for students based on the department approved credit awards. These awards must be approved by the department and submitted on a Petition for External Credit form.
8. **State Seal of Biliteracy (SSoB):** Benedictine University accepts the State Seal of Biliteracy. Students must request course credit for their seal within three academic years after graduating from high school. Requests for course credit must be submitted through a student's advisor to the Office of the Registrar for credit award approval by the Foreign Languages & Literature department.

Summer Sessions

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 appropriate Dean's Office.

Council of West Suburban Colleges Consortium (CWSC)

Cross-Registration Program

Through this program, degree-seeking students at each of the member schools have access to a broad selection of academic offerings and scheduling options. Contact the Office of the Registrar for eligibility information and special registration forms. The purpose of the program allows student to take courses for degree completion in sequence if the course is not offered at the home institution.

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Courses taken at other schools in this consortium (North Central College and Aurora University) may be applied to Benedictine University programs without violating the Benedictine University residency requirement. Cross-registration is permitted with permission of the other school and in accordance with terms of an agreement among all member schools. Prior approval from the student's advisor and the Office of the Registrar is required on the cross-registration form before registering at one of the other institutions. Cross-registration is available during the regular academic year (fall and spring terms). Tuition is paid to the home school and grades are recorded at the home school without the necessity of requesting a transcript. Students must be registered concurrently for at least one course at the home institution and this agreement only applies to degree students who are matriculants for a bachelor's degree.

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MAJORS AND DEGREES

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

The University offers educator licensure programs approved by the Illinois State Board of Education in the following areas: Business/Marketing/Computer Education, Elementary Education, English Language Arts, Mathematics, Science-Biology, Science-Chemistry, Science-Physics, Social Science-History, Spanish, and Special Education (Learning Behavior Specialist 1).

In addition, pre-professional education is available in Chiropractic, Dentistry, Engineering, Law, Medicine, Occupational Therapy, Optometry, Pharmacy, Physical Therapy, Physician Assistant, Podiatry and Veterinary Medicine.

Associate of Arts:

Business Administration^

Bachelor of Arts:

Biology
Communication Arts
Criminal Justice*
Elementary Education
Engineering Science
English Language and Literature
Exercise and Sports Studies
Food and Nutrition Management
Graphic Arts and Design
Health Education and Promotion
History
International Business and Economics
Management^
Music
Organizational Leadership^
Philosophy
Political Science
Psychology*
Social Science
Sociology
Spanish
Special Education
Studio Art
Theology
Writing and Publishing

Bachelor of Business Administration:

Accounting*
Business Analytics*
Business and Economics
Entrepreneurship
Finance*
Management and Organizational
Behavior*
Marketing

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Bachelor of Fine Arts:

Fine Arts

Bachelor of Science:

Biochemistry/Molecular Biology
Biology
Chemistry
Computer Information Systems
Computer Science
Data Science
Health Science
Mathematics
Nutrition and Dietetics
Physics
Sport and Exercise Science

Bachelor of Science in Nursing:

Nursing (RNs only)^

* Offered in traditional undergraduate and adult accelerated undergraduate formats

^ Offered only in the adult accelerated format

GRADUATION REQUIREMENTS

Associate of Arts Degree

1. Liberal arts core requirements:

a. Skills requirements:

Unless a student can demonstrate proficiency, he/she must complete 12 semester 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. Writing Colloquium: WRIT 1101; Research Writing: WRIT 1102; or by passing HNRS 1190 and HNRS 1191.
- ii. Speech Communication: COMM 1110
Proficiency: by passing HNRS 1191 or proficiency by examination.
- iii. Quantitative Skills: MATH 1104
Proficiency: by earning CLEP credit in College Algebra; by passing MATH 1105, 1108, 1110, 1111, 1115, 1170, or any 2000- or 3000-level math course.

b. Cultural Heritage Series: 3 semester credit hours.

HIST 2220: 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.

c. Core Electives:

Arts and Humanities: 9 semester credit hours.

At least three arts and humanities courses (from at least two different areas designated as Arts and Humanities Core electives in this catalog) including PHIL 2245.

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Benedictine University

Natural Sciences: 6 semester credit hours.

At least 3 semester credit hours must be taken in the Physical Sciences Core (as designated in this catalog) and at least 3 semester credit hours in the Life Sciences Core (as designated in this catalog).

Social Sciences: 9 semester credit hours.

At least three social sciences courses (from at least two different disciplines designated as Social Science Core electives in this catalog), including ECON 2101 (with a grade of "C" or better) and PSYC 1100.

2. A student must earn 63 semester credit hours to qualify for graduation and must maintain a "C" average (2.000) in all Benedictine University coursework.
 - Courses with a number below 1000 do not count toward the 63 semester credit hours required for graduation.
 - University-level courses completed to fulfill a condition of admission count toward the 63 semester credit hour graduation requirement, but do not satisfy University Core requirements.
3. At least 45 of the 63 semester credit hours for graduation must be completed at Benedictine University. The following courses must be completed at Benedictine University: MATH 1104 (unless proficiency is demonstrated by 1.a.iii. above), HIST 2220, MGT 110 (no longer offered) and MGT 2220. Once a student matriculates into the program, no additional transfer credit will be accepted. 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 chair/program director/associate dean and dean.
4. A maximum of 15 semester credit hours earned through any one or combination of external credit programs may be applied with the approval of the University toward the 63 semester credit hours required for the associate degree. These credits will not normally satisfy the academic residency requirement. Applications may be obtained in the New Student Advising Center or the Office of the Registrar.
 - a. The Advanced Placement Program – Educational Testing Service (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 – The College Level Examination Program (CLEP) 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 ETS. 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

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- 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. Other External Credit – Benedictine University allows students to apply, toward the 63 semester credit hours required for the associate degree, acceptable hours which have been earned through military experience and/or courses.
5. A major field of study requires at least 27 semester credit hours, with at least 6 semester credit hours at the 2000 level or above. Only courses in which a student has received a “C” or better may be applied to the major requirement.
 6. 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 63 semester credit hour minimum, the minimum GPA of 2.000, and the minimum 45 semester 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.
 7. A student must earn the recommendation from the faculty member 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.
 8. One must be in good standing and have settled all financial accounts with the University to qualify for graduation.

Bachelor's Degrees

1. A student must earn at minimum 120 semester credit hours to be considered for graduation and must maintain a “C” average (2.000) in all Benedictine University coursework.
 - Courses with a number below 1000 are designated as developmental coursework and hence do not count toward the 120 semester credit hours required for graduation.
 - University-level courses completed to fulfill a condition of admission count toward the 120 semester credit hour graduation requirement, but do not satisfy University Core requirements.
 - Under no circumstances is it possible for a student have these requirements waived for graduation. Any appeal requests to waive the minimum GPA, minimum credit, or minimum residency requirements cannot be considered.
2. At least 30 semester hours of the minimum of 120 semester hours required for a Bachelor's degree must be in upper division coursework (at the 3000 level or above).
3. At least 54 of the 120 semester credit hours for graduation must be completed at a four-year regionally accredited college and at least 30 semester credit hours must be completed at Benedictine University (at least 12 semester credit hours of the minimum 30 semester credit

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hours at BenU must be at the 3000 level or above and 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 or division chairpersons. The 54 credit rule will not be applicable for a student admitted and completing their degree through a consortium agreement stating otherwise.

4. General Education Curriculum baccalaureate requirements:
 - a. Skills requirements:

Unless a student can demonstrate proficiency, he/she must complete 12 semester 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. WRIT 1101, Writing Colloquium: WRIT 1102, Research Writing or by passing HNRS 1190 and HNRS 1191.
 - ii. COMM 1110, Speech Communication: Proficiency by passing HNRS 1191 or proficiency by examination.
 - iii. Quantitative Skills, MATH 1105, 1108 or 1110: Proficiency by earning CLEP credit in College Algebra; by demonstrating proficiency in MATH 1105, 1108 or 1110 on the Math Proficiency Test; by passing MATH 1111, 1115, 1170, or any 2000- or 3000-level math course.
 - b. Interdisciplinary Seminars: 6 semester credit hours.

The interdisciplinary seminars sequence consists of two courses and are required of all undergraduates. Students seeking a second bachelor's degree are only required to take one IDS 2000-level seminar.

Students must complete **one from each** of the following:

- IDS 2201 WI, Catholic and Benedictine Intellectual Traditions; or
- IDS 2202 WI, Catholic and Benedictine Intellectual Traditions: S designation; or
- IDS 2203 WI, Catholic and Benedictine Intellectual Traditions: G designation; or
- IDS 2204 WI, Catholic and Benedictine Intellectual Traditions: S and G designation.

AND

- IDS 3301, Human Dignity/Common Good; or
- IDS 3302, Human Dignity/Common Good: S designation; or
- IDS 3303, Human Dignity/Common Good : G designation; or
- IDS 3304, Human Dignity/Common Good: S and G designation.

The Interdisciplinary Seminars provide an integrated, coherent experience to prepare students for a life of flexible learning and responsible inquiry. These courses require students to bridge disciplines, widen perspectives, discover connections and integrate knowledge. As part of the General Education Curriculum, the Interdisciplinary Seminars

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address important general questions and unstructured problems that engage the themes of the Catholic and Benedictine Intellectual Traditions and of Human Dignity or the Common Good; sections designated S and/or G place these questions in the context of sustainability and/or global society. The seminars provide students with an integrative liberal arts learning experience, advance the University's essential learning goals, and engage students in a better understanding of the Benedictine and Catholic hallmarks that inform our mission and identity.

c. Distribution Requirements (as designated in this catalog):

Transfer, Degree Completion and Adult Program students exceptions to these requirements outlined below.

Arts and Humanities: 15 semester credit hours as follows:

3 semester credit hours designated as Theological/Religious (QRT).

The following courses are designated Theological/Religious:

RELS 2120	Eastern Traditions
RELS 2130	Abrahamic Traditions
RELS 2230	Judaism
RELS 2265	Eastern Christianity
RELS 2285	Religion in America
THEO 1101	Theology of Love
THEO 1102	Theology of Justice
THEO 1103	Theology of Freedom
THEO 2104	Faith and Science
THEO 2150	Introduction to the Bible
THEO 2203	Sacramental Theology
THEO 2204	Catholic Spirituality
THEO 2207	Catholic and Social Teaching
THEO 2208	Marriage and the Family
THEO2162	Christ and the Church
THEO2223	History of Christian Thought
THEO 2235	Interreligious Dialogue
THEO 2252	Business Ethics in the Context of Catholic Social Teaching
THEO 2270	Benedictine Wisdom
THEO 2281	Mothers of the Church
THEO 2291	Topics



3 semester credit hours designated as Philosophical (QPL). The following courses are designated Philosophical:

PHIL 1101	Introduction to Philosophy
PHIL 1120	Greek Philosophy
PHIL 2200	Introduction to Logic
PHIL 2205	Philosophy of Human Nature
PHIL 2207	Feminist Philosophy
PHIL 2210	Philosophy of Being
PHIL 2215	Theory of Knowledge
PHIL 2225	Medieval Philosophy
PHIL 2235	Modern Philosophy
PHIL 2245	General Ethics
PHIL 2246	Biomedical Ethics
PHIL 2247	Business Ethics
PHIL 2248	Environmental Ethics
PHIL 2255	Existentialism
PHIL 2260	Social & Political Philosophy
PHIL 2290	History and Philosophy of Science
PHIL 2291	Selected Topics

3 semester credit hours as designated Historical (QHT). The following courses are designated Historical:

HIST 1111	U.S. History Survey to 1865
HIST 1112	U.S. History Survey since 1865
HIST 1141	World History to 1600
HIST 1142	World History Since:1600
HIST 1180	History of East Asia to 1600
HIST 1191	Topics
HIST 2213	Contemporary Latin America, 1899-2000
HIST 2214	The African Diaspora in Latin America: Early
HIST 2215	The African Diaspora in Latin America
HIST 2220	The Mediterranean World
HIST 2240	Converging Hemispheres
HIST 2252	19th-Century Europe
HIST 2253	20th-Century Europe, 1900 - Present
HIST 2260	Women in American Society
HIST 2265	African American History

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HIST 2268	Colonial America to 1789
HIST 2271	Modern Middle East
HIST 2272	Middle East History 500-1258
HIST 2273	Classical Islamic Civilization
HIST 2291	Selected Topics
HNRS 2393	Global Interdependence
SPAN 2230	Spanish Civilization and Culture

3 semester credit hours designated Literary and Rhetorical (QLR).
The following courses are designated Literary and Rhetorical:

COMM 2201	Advertising Persuasion and Consumer Society
COMM 2256	International Cinema
LITR 1150	Themes in Literature
LITR 2210	Literature and Film
LITR 2241	Environmental Literature
LITR 2250	Medieval Literature
LITR 2255	American Literature I
LITR 2256	American Literature II
LITR 2257	British Literature I
LITR 2258	British Literature II
LITR 2259	World Literatures
LITR 2263	Literature of the Early Modern Period
LITR 2265	Shakespeare
LITR 2279	U.S. Multiethnic Literature
LITR 2280	African-American Literature
LITR 2281	Gender and Literature
LITR 2291	Topics in Literature
SPAN 2221	Introduction to Latin Hispanic Literature

3 semester credit hours designated as Artistic and Creative (QCA). The following courses are designated Artistic and Creative:

COMM 2250	Masters of the American Cinema
COMM 2251	History of Film
COMM 2259	Italian Cinema from 1945 to 1975
FNAR 1100	Art Appreciation
FNAR 1101	Fundamentals of Design
FNAR 1105	Graphics

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FNAR 1111	Drawing I
FNAR 1120	Lettering & Layout - Foundational
FNAR 1121	Lettering & Layout - Italic
FNAR 2203	Ancient and Medieval Art
FNAR 2204	Renaissance to Modern Art
FNAR 2205	Non-Western Art History
FNAR 2206	Modern and Contemporary Art History
FNAR 2207	Art of China
FNAR 2208	Art of Islam and the Middle East
FNAR 2209	History of Latin American Art
FNAR 2240	Printmaking: Intaglio (Etching)
FNAR 2241	Printmaking: Relief
FNAR 2242	Printmaking: Silk-Screen
FNAR 2243	Printmaking: Lithography
FNAR 2250	Oil Painting
FNAR 2291	Topics
FNAR 2293	Digital Photography
FNAR 2294	Computer Art
HNRS 2294	Creativity, Art, and Culture
LITR 2269	Introduction to Creative Writing
LITR 2272	Creative Writing Workshop
LITR 2291	Artist in Residence
MUSI 1100	Introduction to Music Theory, Composition and Performance
MUSI 1103	Jazz Appreciation
MUSI 1104	Music Appreciation Contemporary
MUSI 1105	Music Appreciation Baroque
MUSI 1107	Music Appreciation for Educators
MUSI 1121	Concert Band
MUSI 1122	Concert Choir
MUSI 1123	University Chorale
MUSI 1128	Jazz Eagles
MUSI 1129	Chamber Orchestra

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Natural Sciences: 9 semester credit hours as follows:

3 credit hours designated Life-Scientific (QLS). The following courses are designated Life-Scientific:

BIOL 1116	Intro to Human Biology with Lab
BIOL 1120	Genetics of Everyday Life
BIOL 1124	Human Health and Disease
BIOL 1134	Biology of Non-Human Primates
BIOL 1135	Forensics
BIOL 1140	Origins of Humanity
BIOL 1144	Science in the Movies
BIOL 1150	Biology of Women
BIOL 1155	Anatomy and Physiology
BIOL 1156	Intro to Microbiology
BIOL 1157	Intro to Anatomy and Physiology 1
BIOL 1158	Intro to Anatomy and Physiology 2
BIOL 1160	Plagues and People
BIOL 1165	Wine: Mystic and Madness
BIOL 1180	The Ecology of a Changing Planet
BIOL 1193	Intro to Cellular Biology with Lab
BIOL 1197	Principles of Organismal Biology
BIOL 1198	Principles of Biology
BIOL 2297	Honors Organismal Biology
BIOL 2299	Quantitative Biology Laboratory for Transfer Students
NTSC 1111	Contemporary Biology
NUTR 2200	Nutritional Science
NUTR 2201	Nutrition in Health and Exercise
NUTR 2220	Mediterranean Diet: Relationship to Health and Culture

3 semester credit hours designated Physical-Scientific (QPS). The following courses are designated Physical-Scientific:

CHEM 1101	Introduction to Chemistry
CHEM 1102	Introduction to Chemistry Laboratory
CHEM 1104	Introduction to Organic Chemistry and Biochemistry Laboratory
CHEM 1108	Preparatory General Chemistry
CHEM 1113	General Chemistry I
CHEM 1114	General Chemistry I Laboratory
CHEM 1115	Honors General Chemistry I Laboratory

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CHEM 1123	General Chemistry II
CHEM 1124	General Chemistry II Laboratory
CHEM 1125	Honors General Chemistry II Laboratory
CHEM 1127	Honors General Chemistry
ENGR 1110	Engineering Design
NTSC 1112	Contemporary Physical Science
PHYS 1101	Physical Science
PHYS 1106	Astronomy
PHYS 1107	Earth and Space Science
PHYS 1113	College Physics I
PHYS 1114	College Physics I Laboratory
PHYS 1118	College Physics II
PHYS 1119	College Physics II Laboratory
PHYS 2205	University Physics I Laboratory
PHYS 2206	University Physics II Laboratory
PHYS 2211	University Physics I
PHYS 2212	University Physics II

3 semester credit hours designated Computational, Mathematical and Analytical (QCM).
The following courses are designated Computational, Mathematical and Analytical:

BIOL 2229	Biostatistics
CJUS 2250	Basic and Applied Statistics
CMSC 1180	Introduction to Computing
CMSC 1181	Visual Programming Laboratory
CMSC 1182	Science Applications Laboratory
CMSC 1184	Microsoft Excel Laboratory
CMSC 1185	Python Programming Laboratory
CMSC 1186	Web Development Laboratory
CMSC 2200	Computer Programming
MATH 2109	Trigonometry for Transfer Students
MATH 1111	College Trigonometry
MATH 1115	Business Calculus
MATH 1131	The Mathematical Universe
MATH 1150	Introduction to Statistics
MATH 1170	Introduction to Calculus I
MATH 2200	Applications of Calculus I
MATH 2210	Calculus for Physical Sciences I

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MATH 2220	Calculus for Life Sciences I
MGT 1150	Business Statistics I
PLSC 2250	Basic and Applied Statistics
PSYC 2250	Basic and Applied Statistics
SOCL 2250	Basic and Applied Statistics

Social Sciences: 6 semester credit hours as follows:

3 credit hours designated Social-Scientific I: Individuals, Organizations and Societies (QIO).

The following courses are designated Social-Scientific I:

ANTH 2200	Cultural Anthropology
FINA 1120	Financial Literacy
FINA 2220	Personal Financial Planning
PLSC 2236	Women in the Law
PSYC 1100	Survey of Psychology
PSYC 2210	Social Psychology
SOCL 1100	Principles of Sociology
SOCL 2210	Social Psychology
SOCL 2231	Medical Sociology

3 semester credit hours designated Social-Scientific II: Political, Global and Economic Systems (QPE). The following courses are designated Social-Scientific II:

ECON 1100	Introduction to Economics
ECON 1101	Principles of Macroeconomics
ECON 1102	Principles of Microeconomics
GBLS 2202	Theories of Global Studies
GBLS 1101	Introduction to Global Studies
GBLS 1102	Approaches to Global Studies
INTB 1101	The Global Economy
PLSC 1101	Global Affairs
PLSC 1102	American Government
PLSC 1104	Model IL Government
PLSC 1105	Law and Politics
PLSC 1160	Politics and Film
PLSC 2211	Contemporary World Issues
PLSC 2215	Model United Nations
PLSC 2291	Topics
PLSC 2210	International Relations

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PLSC 2216	Genocide: the Politics of Fear, Hate and Power
PLSC 2217	Revolutions and Political Violence
PLSC 2224	Democracy and Democratization

Distribution Requirements must be chosen from the courses so designated in this catalog by codes starting with the letter Q as outlined above and referred to as Q codes. Departmental and disciplinary subjects (i.e. BIOL, ECON) do not necessarily correspond to these designations.

Courses required to meet state or national accreditation requirements may supersede institutional policies as approved by the department chair and college dean.

Distribution Requirements for Transfer and Adult Students:

1. Transfer students who complete their A.A. or A.S. degree at a participating IAI school, have previously not attended Benedictine University and meet admission requirements will have met the Benedictine University General Education degree requirements with the exception of the Interdisciplinary Seminar Courses (IDS 2201-204 and IDS 3301-304) and the co-curricular requirements (Learning Community, Engaged Learning, and courses designated as Sustainable and Global.)
 2. Students who complete the Illinois General Education Core Curriculum prior to transfer without an A.A. or A.S. degree, have previously not attended Benedictine University and meet admission requirements will also have met the Benedictine University General Education degree requirements with the exception of the Interdisciplinary Seminar Courses (IDS 2201-204 and IDS 3301-304) and the co-curricular requirements (Learning Community, Engaged Learning, and courses designated as Sustainable and Global.)
 3. All transfer students who transfer 20+ credit hours and all adult program students will be evaluated on the IAI requirements for General Education with the exception of the Interdisciplinary Seminar Courses (IDS 2201-204 and IDS 3301-304) and the co-curricular requirements (Learning Community, Engaged Learning, and courses designated as Sustainable and Global.)
- d. Writing Intensive (WI) Courses:
- WI courses are designed to emphasize the writing process and writing development through a sequence of designated classes taken at different points in a student's career at Benedictine University. All undergraduates are required to take three designated WI courses as follows:
- i. IDS 2201-2204 WI, Catholic and Benedictine Intellectual Traditions.
 - ii. WI designated course in the major.
 - iii. One additional WI designated course.

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Transfer students who have completed all distribution requirements (with the exception of the IDS seminars and the LC/EL co-curricular requirements) will be exempt from the third WI course requirement but must complete IDS 2201/2202/2203 or 2204 WI and the required WI in the major.

Transfer students who have credit for the equivalent of the required WI course in the major will not be required to retake that WI course in the major but must complete IDS 2201/2202/2203 or 2204 WI and a second additional WI course of their choice.

Writing Intensive Courses:

BIOL 3208	Microbiology
BIOL 4341	Cell Molecular Biology Laboratory
BIOL 4342	BMB Cell Biology Laboratory
BIOL 4364	Ecology Laboratory
BIOL 4393	Great Ideas in Biology and Medicine
BIOL 4394	Nature Writing
CHEM 4314	Physical Chemistry I Laboratory
CHEM 4316	Physical Chemistry II Laboratory
CHEM 4321	Inorganic Synthesis Laboratory
CJUS 4321	Crime and Delinquency
CJUS 4351	Research Methods in the Social Sciences
CJUS 4356	Clinical Practicum Lab
CJUS 4395	Senior Thesis
CMSC 2220	Computer Architecture
CMSC 3301	Technical Communications
CMSC 4375	Software Engineering
COMM 2201	Advertising Persuasion and Consumer Society
COMM 2209	Newswriting and Reporting
COMM 2253	Public Relations Writing
COMM 2254	Writing for Electronic Media
COMM 3337	Advanced Journalism Writing
COMM 3353	Advanced Writing, Editing, and Page Design for Publications
COMM 3390	Images of Men and Women
ECON 3331	Labor and Industrial Relations
EDUC 3234	Preclinical Experience Level 2 with Seminar
EDUC 4320	Diagnostic/Corrective Reading Strategies in Elem. Education
ENGR 1110	Engineering Design
FNAR 4350	Senior Portfolio: Thesis Exhibition

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FNAR 4398	Senior Seminar: Art Criticism
HIST 2203	Historiography
HIST 2259	Contemporary World
HIST 2271	Modern Middle East
HIST 2272	Middle East History 500-1258
HIST 2273	Classical Islamic Civilization
HIST 2291	Topics
HIST 3303	Historiography
HIST 3371	Modern Middle East; Advanced
HIST 3372	Middle East History 500-1258; Advanced
HIST 3373	Classical Islamic Civilization: Advanced
HIST 3391	Topics
HIST 4399	Senior Thesis
HLED 2271	Health Education
HNRS 2201	Catholic and Benedictine Intellectual Traditions
IDS 2201	Catholic/Benedictine Traditions
IDS 2202	Catholic/Benedictine Intellectual Traditions: Sustainability/Stewardship
IDS 2203	Catholic/Benedictine Intellectual Traditions: Global
IDS 2204	Catholic/Benedictine Intellectual Traditions: Sustainability/Stewardship and Global
INTB 3380	Global Strategic Management
LITR 2241	Environmental Literature
LITR 2291	Topics in Literature-Film Screenings
LITR 2298	Advanced Academic and Nonfiction Writing
LITR 4399	Senior Seminar
MATH 1131	Mathematical Universe
MATH 2260	Differential Equations
MATH 3310	Modern Geometry
MATH 4332	Abstract Algebra II
MATH 4373	Probability and Statistics II
MDHM 4399	Medical Humanities
MGT 2237	Business Communications
MGT 2247	Ethical Leadership
MGT 3300	Management
MGT 4380	Strategic Management
MGT 4387	Management Capstone
MUSI 4360	Senior Seminar: Professional Portfolio

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NRHL 3301	Family Health Nursing
NUTR 3392	Health Research and Professional Writing
SES 4310	Research Methods In Exercise and Sports Studies
PHED 3320	Physical Education Curriculum Design
PHIL 4399	Thesis
PHYS 6208	Modern Physics Laboratory
PHYS 2213	University Physics III
PHYS 3323	Biophysics
PLSC 2215	Model United Nations
PLSC 4299	Research Methods in Political Science
PLSC 4399	Thesis Research and Writing
PSYC 3300	Abnormal Psychology
PSYC 4351	Research Methods in the Social Sciences
PSYC 3356	Clinical Practicum/Lab
PSYC 4389	Organizational Leadership Capstone
PSYC 4395	Senior Thesis
RELS 2230	Judaism
SOCL 4351	Research Methods in the Social Sciences
SOCL 3356	Clinical Practicum/Lab
SOCL 4395	Senior Thesis
SPAN 2211	Introduction to Hispanic Literature
SPAN 2221	Introduction to Latin American Literature
SPAN 4311	Advanced Composition
THEO 3308	Theology of the Body
THEO 2270	Benedictine Wisdom
THEO 2281	Mothers of the Church
THEO 3381	Fathers of the Church
THEO 4399	Senior Seminar

Transfer students who have completed all distribution requirements (with the exception of the IDS seminars and the LC/EL co-curricular requirements) AND taken the equivalent of the WI in the major must still take IDS 2201/2202/2203 or 2204 WI and one additional WI course of their choice.

- e. Co-curricular requirements:
 - i. Global and Sustainability designated courses (one of each required);
 - ii. Learning Community and Engaged Learning designated courses or experiences (see below for details)

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Global and Sustainability Courses:

Global and Sustainability courses and co-curricular experiences are designed to prepare students for active and responsible participation in global citizenship and stewardship of the earth and its resources.

Global designated courses promote “an openness to being transformed by the other – be it an idea, a person or an experience.” People from disparate regions are recognized as having agency in a globalized world. The characteristically Benedictine openness to “the other” does not only mean openness to persons of different cultures, but to the cultures themselves.

Sustainability designated courses seek to foster awareness that we are part of a larger ecology and that the environment is a precious gift to be respected for the sake of all life forms.

All undergraduates are required to complete one course or graded co-curricular experience that carries a Global designation and one that carries a Sustainability designation. These courses may also fulfill other requirements as designated by the catalog. Some courses may be designated Sustainability or Global by class section rather than at the catalog level, therefore students should consult advisors and term schedules in identifying Global and Sustainability designated course options. Of the IDS Seminars, IDS 2202 and 3302 fulfill the Sustainability requirement, 2203 and 3303 fulfill the Global requirement, and 2204 and 3304 fulfill both the Sustainability and the Global requirements.

Some transfer courses are approved as meeting the Sustainability and Global designation criteria. Transfer students should consult with their academic advisor for details. Transfer Sustainability and Global courses must be approved as such by Benedictine University according to Transfer Articulation rules and guidelines.

Sustainability Courses

ANTH 3309	People, Culture & Environment
BIOL 1180	The Ecology of a Changing Planet
BIOL 1191	Conservation Biology and Biodiversity
BIOL 1191	Humanity and the Environment
BIOL 1197	Principles of Organismal Biology
BIOL 2205	Environmental Science
BIOL 2291	Global Warming
BIOL 2291	Field Studies in Pollination Biology
BIOL 2297	Honors Organismal Biology
BIOL 4363	Ecology
BIOL 3391	Disease and the Environment

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BIOL 4394	Nature Writing
CHEM 1125	Honors General Chemistry II Laboratory
CHEM 3232	Analytical Chemistry II
CHEM 2249	Honors Organic Chemistry II Laboratory
COMM 3304	Media and Environment
CJUS 3324	White Collar Crime
ENVS 4398	Capstone Project
HIST 2213	Contemporary Latin America, 1899-2000
HIST 2215	The African Diaspora in Latin America
HIST 3313	Contemporary Latin America, 1898-2000
HIST 3315	The African Diaspora in Latin America, 1899-2000
HNRS 1191	First-Year Colloquium II
IDS 2202	Catholic/Benedictine Intellectual Traditions: Sustainability/Stewardship
IDS 2204	Catholic/Benedictine Intellectual Traditions: Sustainability/Stewardship and Global
IDS 3302	Human Dignity/Common Good: Sustainability/Stewardship
IDS 3304	Human Dignity/Common Good: Sustainability/Stewardship and Global
LCOM 1104	Learning Community: Catholic/Benedictine Traditions: Sustainable & Global
LITR 2241	Environmental Literature
MGT 1120	Going Green in the Business World
MGT 1125	Business Sustainability Topics
NUTR 2220	Mediterranean Diet: Relationship to Health and Culture
NUTR 2364	Environmental Nutrition
PHIL 2248	Environmental Ethics
PLSC 2215	Model United Nations
SES 2216	Sports Sociology
THEO 2252	Business Ethics in the Context of Catholic Social Teaching

Global Courses

ANTH 2200	Cultural Anthropology
ANTH 2208	The Anthropology of the Third World
ANTH 2210	Peoples and Cultures of World Regions
ANTH 3309	People, Culture & Environment
ARBC 2201	Intermediate Arabic I
ARBC 2202	Intermediate Arabic II

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ARBC 2211	Intermediate Grammar and Composition
ARBC 2212	Survey of Arabic Literature
BIOL 2223	Field Studies in Biology
CHIN 2201	Intermediate Mandarin I
CHIN 2202	Intermediate Chinese II
CHIN 2211	Intermediate Chinese III
CHIN 2212	Intermediate Chinese IV
CHIN 2291	Topics in Chinese
COMM 2256	International Cinemas
GBLS 1101	Introduction to Global Studies
GBLS 1102	Global Studies II
GBLS 2202	Theories in Global Studies
GBLS 3302	Theories in Global Studies, Advanced
HIST 2213	Contemporary Latin America, 1899-2000
HIST 2214	The African Diaspora in Latin America: early
HIST 2215	The African Diaspora in Latin America
HIST 2251	The French Revolution in the Wider World
HIST 2257	20th-Century Social and Political Movements in a Global Context
HIST 2281	Survey of East Asia 1600-Present
HIST 2291	Cuba: Between Reform and Revolution
HIST 2282	Modern China
HIST 3313	Contemporary Latin America, 1898-2000
HIST 3314	The African Diaspora in Latin America, 1492-1900
HIST 3315	The African Diaspora in Latin America, 1899-2000
HIST 3351	French Revolution in the Wider World
HIST 3357	20th-Century Social and Political Movements in a Global Context
HNRS 3393	Global Interdependence
IDS 2203	Catholic/Benedictine Intellectual Traditions: Global
IDS 2204	Catholic/Benedictine Intellectual Traditions: Sustainability/Stewardship and Global
IDS 3303	Human Dignity/Common Good: Global
IDS 3304	Human Dignity/Common Good: Sustainability/Stewardship and Global
INTB 1101	The Global Economy
INTB 3300	Introduction to International Business
INTB 3302	International Management
INTB 4320	Area Studies Abroad
INTB 4350	International Marketing

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INTB 4375	Global Interdependence
INTB 4380	Global Strategic Management
INQ 2298	Intercultural Education
MGT 1120	Going Green in the Business World
MGT 1125	Business Sustainability Topics
MGT 3302	International Management
NUTR 2220	Mediterranean Diet: Relationship to Health and Culture
NUTR 2298	Cultural Foods
PLSC 1101	State and Local Government
PLSC 2210	International Relations
PLSC 2211	Contemporary World Issues
PLSC 2215	Model United Nations
PLSC 2216	Genocide: the Politics of Fear, Hate and Power
PLSC 2224	Democracy and Democratization
SES 2216	Sports Sociology
SPAN 2221	Introduction to Hispanic Literature
SPAN 2230	Spanish Civilization and Culture
SPAN 2231	Latin American Civilization and Culture
SPAN 3307	Advanced Contemporary Spanish Literature
SPAN 3310	Advanced Latin America Literature
SPAN 3350	Competency in Latino Cultures for Health Care
THEO 2252	Business Ethics in the Context of Catholic Social Teaching

Language course options for Global requirement (Applies to Benedictine University courses only. Proficiency credit will not count towards Global requirement. Transfer courses must be approved for Global designation by General Education Curriculum Committee in cooperation with Languages program.)

SPAN 2220 Introduction to Spanish Literature
SPAN 2221 Introduction to Hispanic Literature
SPAN 2230 Spanish Civilization and Culture
SPAN 2231 Latin American Civilization and Culture
SPAN 3307 Advanced Contemporary Spanish Literature
SPAN 3310 Advanced Hispanic Literature
SPAN 3350 Competence in Latino Culture for Health Care Professionals and Emergency Responders

ARBC 2201 Intermediate Arabic I, or higher with lab (must earn a grade of C or better)
CHIN 2201 Intermediate Chinese I, or higher with lab (must earn a grade of C or better)

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Successfully completed study abroad experience (must be approved by Languages and Literature faculty if transfer or external).

International students who have successfully completed coursework at Benedictine University and students successfully completing Benedictine University courses taught in English at international sites, have met the Global requirement.

Learning Community and Engaged Learning Requirements:

All traditional undergraduates are required to complete one approved Learning Community and one approved Engaged Learning experience. Adult undergraduates are not required to complete the Learning Community requirement but must complete an Engaged Learning course or experience. Some approved transfer courses or experiences may fulfill these requirements.

Learning Communities are intentionally designed structures that encourage students to integrate what they are learning in their various studies, disciplines, or experiences, and to connect to each other through ongoing social and project-based interaction. At Benedictine University, Learning Communities can be classroom, residential or experiential. Some Learning Communities are based in a single traditional class while others may require students, faculty and staff to study and travel off campus to work together in a linked group of classes, or to collaborate on projects outside the traditional academic environment. The common element in all of these options is the formation of working groups that practice effective shared learning, social organization and task completion.

Learning Community offerings typically vary by semester; see the Course Schedule for a given semester for details.

Engaged Learning experiences at Benedictine University can take a number of forms. An approved Engaged Learning might involve work in the larger campus community, a juried public performance, show of visual art or music, significant volunteer service, or an internship or professional project. The common element in all of these experiences is that the student must apply previously learned information, values and skills to a specific setting, and explore the connections between classroom knowledge and real-world experiences. Engaged Learning experiences help prepare students for full participation in the world as accomplished community members and ethical professionals.

Some Engaged Learning experiences may be carried out as a component of a traditional course (for example, as part of a Capstone in the major), but these Engaged Learning experiences must be at least 30 percent fieldwork, one-on-one research, real-world simulation, or presentation of the student's work to an audience broader than the Benedictine instructor evaluating the course outcome (e.g. formal performance, conference presentation, publication, etc.). Although Engaged Learning experiences may have things in common with some types of Learning Communities, and certain offerings may be



approved as fulfilling both requirements, Engaged Learning experiences need not involve group activity. Non-course Engaged Learning offerings may vary by semester.

5. Majors and minors:
 - a. A student must select a major field of study before completing 60 semester credit hours, and must complete the requirements set forth in the Catalog of their term of degree status admission 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 a minimum of 36 semester credit hours. A minimum of 18 semester credit hours must be completed at the 3000 level or above, of which at least 6 semester credit hours must be at the advanced 4000 level or above. At least 12 semester hours at the 3000 level or above in the major must be completed at Benedictine University including at least 3 hours at the 4000 level.
 - c. Students are encouraged to supplement their major and core programs with appropriate minors or emphases. The minor or emphasis 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 a minimum of 15 semester credit hours with 6 semester credit hours of upper division work (3000 level or above) and no more than 30 semester credit hours of courses completed from the specified list for the minor program. At least 6 semester credit hours of coursework must be completed at Benedictine University including at least 3 semester hours at the 3000 level. Only courses in which a student has received a grade of "C" or better may be applied to the minor. Any semester 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, if declared prior to the student's final term.
 - e. An emphasis is a grouping of courses outside a student's major or minor. The grouping consists of at least 12 and no more than 18 semester credit hours of required or recommended courses designed to focus on a particular area of study. At least 6 semester credit hours of coursework must be completed at Benedictine University. Only courses in which a student has received a grade of "C" or better may be applied to an emphasis. Successfully completed emphases are designated on the transcript following graduation.
 - f. A concentration is a grouping of courses within a student's major. This grouping consists of at least 12 semester credit 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.
6. A maximum of 30 semester credit hours earned through any one or combination of external credit programs may be applied with the approval of the University toward the 120 semester credit hours required for the bachelor's degree. These credits will not normally satisfy the academic residency requirement. Please see the External Credit Program section for details and accepted programs. The Petition for External Credit form may be found on the [Office of the Registrar webpage](#).

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7. A student may apply internship credit towards the minimum of 120 credit hours as follows: Humanities, 12 hours; Business Programs, 12 hours; International Business and Economics, 12 hours; Political Science, 12 hours; Health Care, 3 hours; Nutrition, 12 hours; Sociology/Psychology, 6 hours; Computer Information Systems, 12 hours; Computer Science, 12 hours; Mathematics, 12 hours; Biology, 12 hours.
8. A student must earn the recommendation from the faculty member of his or her major program for graduation. Typically, this recommendation is based upon fulfilling the program requirements, including a comprehensive examination or other integrating experience.
9. A student must apply for graduation by the deadlines to be considered for graduation. One must be in good standing and have settled all financial accounts with the University to qualify for graduation.

TRANSFER STUDENTS

Credits Transferred from Other Institutions

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 staff and, if needed, the appropriate department chair or program. Transfer grades are not counted in the cumulative GPA earned at Benedictine University.

Quarter credit hours transferring from other institutions are converted to semester credit hours:

- 5 quarter credit hours = 3.33 semester credit hours
- 4 quarter credit hours = 2.67 semester credit hours
- 3 quarter credit hours = 2 semester credit hours
- 2 quarter credit hours = 1.33 semester credit hours
- 1 quarter credit hour = 0.67 semester credit hours

Transfer Credit Policy/Practice

Benedictine University will evaluate coursework presented by students from U.S. institutions that are accredited by one of the six regional accrediting organizations. Institutions that have been granted candidacy status by a regional accrediting association may be considered for transferrable coursework. Coursework may be considered from international institutions if submitted on an official third-party, course-by-course evaluation report e.g. Educational Credential Evaluators (ECE), Educational Perspectives (EP), World Education Services (WES). International transfer credit is subject to Benedictine University's transfer credit evaluation criteria.

1. Students may present transcripts for transfer credit consideration towards general elective, general education core requirements, major course equivalents or elective coursework within a discipline. Awarding of credit is determined through the process of transfer credit evaluation

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and/or program/departmental approval. Students may be required to present course descriptions, syllabi or additional information for departmental review and consideration of credit.

2. Benedictine University undergraduate degrees are based on semester credit hours. Any non-semester transfer courses (quarter, trimester) will be converted to semester hours.
3. Grade point average (GPA) may be used for admission; however, only grades earned in Benedictine University courses will be used in calculating the Benedictine University cumulative GPA.
4. Coursework will be accepted with grades of "D" or higher; however, students may be required to complete specific degree, major or minor required coursework with a grade of "C" or higher after transfer.
5. Only coursework with a "C" or higher will apply to a transfer student's requirements for basic skills, major or minor.
6. Transfer coursework that is presented with a "pass/fail" type grade may be accepted as transferrable credit if the previous institution's transcript indicates that Pass "P" or Satisfactory "S" grades are defined as a "C" or better at the undergraduate level.
7. Coursework must be submitted on official transcripts from the institution where the coursework was taken. Previously transferred credit, if posted on another institution's transcript, will not be considered an official record of courses taken.
8. Benedictine University is a participating member of the Illinois Articulation Initiative (IAI) for the Illinois transferable General Education Core Curriculum (GECC) and Baccalaureate Majors.
9. Transfer students who complete their Associate of Arts (A.A.) or Associate of Science (A.S.) degree at a participating IAI school, have previously not attended Benedictine University, and meet admission requirements will have met the Benedictine University General Education degree requirements with the exception of the Interdisciplinary Seminar Courses (IDS 2201-204 and IDS 3301-304) and the co-curricular requirements (Learning Community, Engaged Learning, and courses designated as Sustainable and Global).
10. Students who complete the Illinois GECC prior to transfer without an A.A. or A.S. degree, have previously not attended Benedictine University and meet admission requirements will also have met the Benedictine University General Education degree requirements with the exception of the Interdisciplinary Seminar Courses (IDS 2201-204 and IDS 3301-304) and the co-curricular requirements (Learning Community, Engaged Learning, and courses designated as Sustainable and Global).
11. All transfer students who transfer 20+ credit hours will be evaluated on the IAI requirements for General Education with the exception of the Interdisciplinary Seminar Courses (IDS 2201-204 and IDS 3301-304) and the co-curricular requirements (Learning Community, Engaged Learning, and courses designated as Sustainable and Global).
12. All adult program students will be evaluated on the IAI requirements for General Education with the exception of the Interdisciplinary Seminar Courses (IDS 2201-204 and IDS 3301-304) and the co-curricular requirements (Engaged Learning, and courses designated as Sustainable and Global.)
13. Benedictine University will accept course credit earned at 2-year regionally accredited institutions from transfer-based programs and required coursework.

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14. Certificate, professional training or community education may not be accepted in transfer from any institution (2- or 4- year).
15. Technical courses from 2- and 4- year programs may be reviewed for credit consideration and are evaluated on a course-to-course basis.
16. Pre-college level or developmental courses will not be accepted for credit upon transfer; however these courses may be used for admission requirements and/or placement upon enrollment.
17. All coursework completed at 2-year regionally accredited institutions will be considered for acceptance at lower level credit (100/1000 or 200/2000). Coursework from regionally accredited 4-year institutions will be considered for upper level transfer consideration with department approval.
18. Coursework that is part of degree completion/transfer agreements will be transferred in accordance with the agreement between the two institutions and is subject to review and approval by the department.
19. Coursework, in some disciplines, may be reviewed for course content based on major/minor requirements, licensure standards or additional accreditation standards to insure the transfer course has current content and requirements. Coursework that is not considered current will not be transferrable and students will be required to take the Benedictine University required course for degree completion.
20. Coursework that has been repeated at previous institutions is not accepted for credit across all programs.
21. Internships or independent study courses may be reviewed by departments for transfer credit acceptance. These types of courses may have credit hour limits, grade requirements or credit level restrictions. Students may be asked to submit additional documentation for department review including learning outcomes, syllabi or course outline.
22. Military credit that is provided from a regionally accredited institution will be evaluated on a course-by-course basis. Students who present Joint Services Transcripts (JST) for evaluation transcripts will be evaluated based on the American Council on Education (ACE) recommendations. Coursework may also be reviewed for direct course consideration by department and students in nursing programs may have non-U.S. nursing credentials evaluated by the Commission on Graduates of Foreign Nursing Schools (CGFNS).
23. Students may receive credit for prior learning through exams, portfolios or from national credit recommendation organizations such as American Council on Education (ACE), National College Credit Recommendation Service (NCCRS), Council for Adult and Experiential Learning (CAEL) or other credit review organizations. Prior Learning Assessment (PLA) credit may be awarded after review by the department for undergraduate and is subject to any credit limitations under the External Credit Program.
24. Graduate level courses may be considered for transfer credit upon review by department. Graduate level transfer courses have the following restrictions:
 - a. Must have received a "B" or higher on transcript.
 - b. No courses with a grade of Pass (P), Satisfactory (S) or other pass/fail award will be accepted.
 - c. Correspondence coursework, work experience, or proficiency will not be accepted.

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Acceptance of transfer credit to be applied to the major area or minor area is determined by the appropriate academic department chair or program director.

Illinois Articulation Initiative (IAI)

The Illinois Articulation Initiative (IAI) is a statewide transfer agreement that provides for the successful transfer of the IAI General Education Core Curriculum (GECC) completion between participating Illinois institutions. The University has been a participating member of the IAI since 1998 and as such accepts IAI GECC from participating institutions as meeting the lower-division Benedictine University General Education Curricular requirements as follows:

1. Transfer students who complete their A.A. or A.S. degree at a participating IAI school, have previously not attended Benedictine University and meet admission requirements will have met the Benedictine University General Education degree requirements with the exception of the Interdisciplinary Seminar Courses (IDS 2201-204 and IDS 3301-304) and the co-curricular requirements (Learning Community, Engaged Learning, and courses designated as Sustainable and Global).
2. Students who complete the Illinois General Education Core Curriculum prior to transfer without an A.A. or A.S. degree, have previously not attended Benedictine University and meet admission requirements will also have met the Benedictine University General Education degree requirements with the exception of the Interdisciplinary Seminar Courses (IDS 2201-204 and IDS 3301-304) and the co-curricular requirements (Learning Community, Engaged Learning, and courses designated as Sustainable and Global).
3. All transfer students who transfer 20+ credit hours and all adult program students will be evaluated on the IAI requirements for General Education with the exception of the Interdisciplinary Seminar Courses (IDS 2201-204 and IDS 3301-304) and the co-curricular requirements (Learning Community, Engaged Learning, and courses designated as Sustainable and Global).
4. Students must submit transcripts indicating the conferral of the IAI GECC, A.A. or A.S. Coursework fulfilled for A.A. or A.S. by external credit/testing such as Advanced Placement (AP) or College Level Examination Program (CLEP) will need to be verified by the request of the student to have official external semester credit hours submitted to Benedictine. Only 30 semester credit hours approved under the Benedictine University External Credit program may be applied towards degree. Students may not receive credit through both the IAI GECC completion and AP/CLEP for the same course at Benedictine.

For more information about IAI, visit www.iTransfer.org.

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DEGREE COMPLETION, ADULT ACCELERATED UNDERGRADUATE, SECOND MAJOR AND CERTIFICATE PROGRAMS

Degree Completion Program [DCP]

*This program only applies to existing students and cannot be applied to new admits. A minimum of 15 of the 75-plus transferable semester credit hours required for DCP status must be from a four-year regionally accredited college or university earned prior to the start of Benedictine University 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;
2. Complete at least the last 30 semester credit hours of their undergraduate degree through coursework at Benedictine University as a degree-seeking student; and
3. Complete at least 12 semester credit hours of coursework at the 3000 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 semester credit hours.

Adult Accelerated Undergraduate Program

The University provides an exception to the normal academic residency requirement of 54 semester credit hours for students who are enrolled in the Adult Accelerated Undergraduate Program.

Adult Accelerated Undergraduate Program students must:

1. Satisfy general entrance requirements;
2. Complete at least the last 30 semester credit hours of their undergraduate degree through coursework at Benedictine University as a degree-seeking student; and
3. Complete at least 12 semester credit hours of coursework at the 3000 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 semester credit hours.

Adult Accelerated 3+1 Baccalaureate Completion Program

The University provides an exception to the normal academic residency requirement of 54 semester credit hours for students who are enrolled in Adult Accelerated 3+1 Baccalaureate Completion Programs.

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Adult Accelerated 3+1 Baccalaureate Completion Program students must:

1. Satisfy general entrance requirements;
2. Complete at minimum 34 semester credit hours of coursework at Benedictine University if enrolled in the RN to BSN program and 39 semester credit hours of coursework at Benedictine University if enrolled in the B.A. in Management program. This is the University's residency requirement for these programs.
3. Complete at least 12 credit hours of coursework at the 3000 level or above in their major field at Benedictine University.

Once a student has matriculated into a 3+1 program at Benedictine University, no more than 12 semester credit hours of coursework may be transferred into Benedictine University from a regionally accredited college/university.

Adult Accelerated 3+1 Baccalaureate Completion Program students may receive credit and/or waiver of course requirements through examination and experiential learning assessment, but these credits may not be used toward meeting the University residency requirement.

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 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 (all major coursework must be completed with a grade of "C" or better) 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 admission to previous degree program);
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 semester credit hours of 3000/4000-level classroom courses must be completed at Benedictine University.

Applicability of courses taken as a student-at-large prior to admission to the Second Major Program will be determined upon initial evaluation.

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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.

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. Financial aid may not be awarded for coursework that meets only the requirements for a pre-baccalaureate certificate.

GENERAL POLICIES

Semester Credit Hours

The academic year is divided into two semesters from August through December and January through May.

Courses taught in the standard delivery method: One semester credit hour is counted for each clock hour of class or lecture time – or each two or three clock hours of laboratory or studio work – per week during the semester. A 3-semester-credit-hour lecture course, for example, meets three hours per week over 15 weeks.

Courses taught in the accelerated delivery, online/blended delivery or other non-standard format: One semester credit hour consists of not less than 38 hours of instruction, individual learning activities (such as pre-course assignments, course assignments, preparation time), and team-based collaborative learning activities. Completion of graded outcomes that measure student achievement of learning objectives are comparable to those achieved via the standard delivery method.

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 semester credit hours
Sophomores: 30 to 59.99 semester credit hours
Juniors: 60 to 89.99 semester credit hours
Seniors: 90 or more semester 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.

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Academic Status

A full-time undergraduate student is registered for a minimum of 12 semester credit hours. The normal course load is 15 semester 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 semester credit hours

Full-time academic status: 12-18 semester credit hours

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

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

Official Transcripts

See the [Office of the Registrar](http://www.ben.edu/registrar) website at www.ben.edu/registrar for details on ordering official transcripts.

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.

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- Be available on a scheduled basis for academic consultation and advice.
- Refer the student to appropriate University resources.

Repetition of Courses

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 GPA 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."

Once a student has graduated their degree GPA is final. If a student repeats a course post-graduation that they earned an "F" grade for as part of their degree, the original "F" grade will still be counted in their degree GPA. Students who have graduated may not retake 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.

Community College Credit Policy

Undergraduates with junior or senior standing (60 or more semester credit hours earned) will not be eligible to transfer community college course credit back to Benedictine University. Credit from accredited four-year institutions is not affected, nor is coursework required, by special agreements such as 2+2 or 2+3 programs. Students enrolled in 3+1 undergraduate baccalaureate completion programs are exempt from this policy.

Petition to the Community College Credit Policy:

An undergraduate student who is 15 or fewer semester credit hours from degree completion may petition to complete no more than 6-8 of those hours (two courses, including any labs or co-requirements) through eligible community college credit under the following conditions:

1. The student's major advisor and chair of the major department both support the request in writing, with rationale and approval of specific transfer courses to complete the requirement(s),
AND
2. All other degree requirements have been met or are currently in progress, as demonstrated by current transcript and records;
AND one of the following:
 - 3a. The requirements represented by the course(s) are not available in any format at or from the student's home campus for a full term (relative to the student's usual academic calendar, i.e. semester, quarter, etc.) following the planned degree completion date, thus delaying degree completion for two full terms;**OR**

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3b. The requirements represented by the course(s) are not available in any format at or from the student's home campus prior to the student's planned graduation date (as applied for and audited), and the student provides documentation establishing that failure to complete the degree by that date will result in loss of secured employment, promotion or professional certification already in progress;

OR

3c. The student's permanent place of residence (as established by FAFSA, tax records or other proof of long-term residency) is more than 100 miles from the home campus;

OR

3d. The student's place of residence has been relocated as a consequence of active military service.

Any student who wishes to apply for such an exception is to file a Community College Completion Credit Application Form. As part of completing this form, the student must provide clear course equivalencies and indicate which of the above exceptions apply, and append any required documentation. The form must also be signed by the student's academic advisor and approved by the chair or director of the program from which the student is seeking a degree. The completed form must be submitted and approved by the dean and Provost before the student enrolls in the course. If such a request is approved, all other Benedictine University policies relevant to transfer and credit still apply, including but not limited to, those governing eligibility for GPA inclusion, non-repeatability, and articulation with native programs and requirements.

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 (4.000)

B — Good (3.000)

C — Satisfactory (2.000)

D — Passing (1.000)

F — Failure (0.000)

I — Incomplete*

IE — Incomplete Extension*

W — Withdrawal*

P — Pass*

AUD — Audit*

IP — In Progress*

**Note: These grades are not calculated in academic GPA.*

Academic grade reports for all students are available upon completion of each course through [MyBenU](#). 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 GPA 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.

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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 3-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 GPA 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.

Incompletes

A grade of "I"

An Incomplete ("I") is a temporary grade which may be given by arrangement with the student and with approval of the instructor and chair/program director when illness, necessary absence, or other reason beyond control of the student prevent completion of course requirements by the end of the class. The "I" grade automatically converts to an "F" grade if the work is not completed and submitted to the instructor. For fall Incompletes all work must be completed no later than the end of the spring term or the "I" grade automatically converts to an "F" grade. For winter, spring, and summer Incompletes all work must be completed no later than the end of the fall term or the "I" grade automatically converts to an "F" grade. An "I" grade is not calculated in the student's grade point average and zero hours are credited.

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. Instructors or departments may restrict work completion to a timeframe prior to the end of following regular semester.

Incomplete Extension

A grade of "IE"

An Incomplete Extension ("IE") is a temporary grade which may be given by arrangement with the student and with approval of the instructor and chair/program director when an extension of time for a previously approved Incomplete is needed. Incomplete Extensions are limited to at most one additional semester. An "IE" grade is not calculated in the student's grade point average and zero hours are credited.

Withdrawal

A grade of "W" is recorded to indicate that a student has withdrawn from a course.

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In Progress

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.

Audit

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. An add form with instructor's and department chair's signature must be presented to the Office of the Registrar for the record to be changed to an audit (AUD).

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.

Independent Study Courses

Requests for an independent study must be submitted to the Office of the Registrar, by the department chair on behalf of the student. Timelines for completion are the same as that of a traditional undergraduate semester. Communication between faculty and the student who has requested the independent study are determined prior to the start of the independent study and are to be followed as indicated in the formal request submitted to the Office of the Registrar. Official copies of the request, along with the syllabus for the course, will be kept in the academic department.

Course by Arrangement

Permission may be granted for arranged courses when irresolvable scheduling conflicts exist, determined and verified by the advisor, which preclude enrollment in a regularly scheduled class. With the approval of the advisor and the program/department chair a formal request for a course by arrangement is submitted to the Office of the Registrar. Official copies of the request, along with the syllabus for the course, will be kept in the academic department. Arranged courses are selected from the courses listed in the current Benedictine University Catalog. The grading basis, as indicated in the course description, is followed. All semester course deadlines apply to arranged courses.

Withdrawal from Courses

Refer to the academic calendar on the Office of the Registrar website at <http://www.ben.edu/registrar/index.cfm> for specific dates for each term and session of enrollment.

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Dropping a course without a grade of "W" on a transcript.

- For full 15 week semester classes students have until the day prior to the second Monday of term to drop the class. Students who abide by this deadline will not receive a grade of "W" on their transcript.
- For accelerated classes students have until the day prior to the second day of class to drop the class. Students who abide by this deadline will not receive a grade of "W" on their transcript.
- For online classes, students have until the end of the Thursday of the first week of class to drop the class. Students who abide by this deadline will not receive a grade of "W" on their transcript.

Withdrawals from course with a "W" grade on a transcript.

Students may withdraw from a course and receive a grade of "W" by using MyBenU by logging into [BenUConnect](#) and submitting the withdrawal request by the published deadline.

- For full semester courses, students who withdraw after the first Sunday of the term (and prior to the last published day to withdraw), will receive a "W" grade on both the grade report and transcript. A student can withdraw with a grade of "W" from a class up to the end of the 10th week of classes for a 15 week course.
- For fully online classes, students who withdraw on or after the Friday of the first week of class for online classes, will receive a "W" on both the grade report and transcript. A student can withdraw with a grade of "W" from a class up to the end of the sixth week of classes for an eight week course and up to the end of the fourth week for a five week course.
- For other adult program courses, students who withdraw on or after the second day of class will receive a grade of "W" on both the grade report and the transcript. A student can withdraw with a grade of "W" from a class up to the two-thirds point of the class.

Approval by a financial aid counselor is highly recommended when a student is receiving financial aid. Students should also inform their instructor of their intention to withdraw from a course. Students may not withdraw from a course after the last day to withdraw (which is 70 percent through the course). After the published deadline, no grade of "W" will be permitted for academic reasons and the student will be graded solely on academic performance at the end of the term. Stopping attendance or notifying an instructor, advisor, or any other staff or faculty member is not considered an official withdrawal. It may result in receiving a failing grade and being responsible for the full tuition payment.

Petition for a late withdrawal.

Students may petition for a late withdrawal for non-academic reasons by accessing and completing a late withdrawal petition form on the registrar's website at <http://www.ben.edu/registrar/> and providing supporting documentation.

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. Only final course grades may be appealed. The policy recognizes the right and responsibility of faculty members to exercise their

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professional judgment in evaluating academic performance and the right of students to have their academic performance judged in a fair and impartial manner.

Grounds for Grade 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.

Grade Appeal Process

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 appeal is the end of the semester following the term in which the grade was originally received.

Students must follow these steps in this order when appealing a final grade:

1. First, discuss the final grade with the faculty member; bring forward any facts or circumstances that might be pertinent to the faculty member's evaluation and decision.
2. If there is not a satisfactory resolution, the student may seek consultation with the department chair/program director.
3. If there is still no satisfactory resolution, the student may appeal to the dean of the college.
4. If there is still no satisfactory resolution, the students may appeal to the Provost and Vice President for Academic Affairs. The Provost's decision is final.

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 visit ben.edu/ahp.

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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 School of Graduate, Adult and Professional Education are not impacted by the Administrative Drop Policy.

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 3.500 GPA semester average with a grade of at least "C" in each course and must not have received any "I" 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 3 semester credit hours and must have at least a 3.500 semester average with a grade of at least "C" in each course and must not have received any "I" 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 2.000 cumulative GPA 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 GPA of 2.000), that student will either be placed on academic probation during the following semester (if the term GPA was at least 1.000), or will be dismissed for poor scholarship (if the term GPA was below 1.000). 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 GPA
- Cumulative GPA
- Likelihood that the student is capable of achieving "satisfactory academic standing" before graduation

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- Recommendation from the vice president for Student Life
- Student's explanation for prior GPA 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 GPA less than 2.000 may have the option to re-enter under the academic amnesty policy. The conditions for re-admission under amnesty include:

1. An absence of at least five years from the last term in attendance.
2. Approval by the Academic Admissions Committee which will require an interview and a written personal history. Intervening transfer coursework must be at least at the 2.000 GPA level.

The implications of re-admission under academic amnesty are:

1. The new Benedictine University cumulative GPA 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 credit hours of coursework at Benedictine University after re-entry to be eligible for graduation.
6. Graduation honors eligibility will be based on grades after re-entry amnesty.
7. The Catalog of re-entry will be followed for graduation requirements.

Withdrawal from the University

A student who wishes to withdraw from the University during the semester begins by contacting the Advising Center. A student who plans to return within two full academic years should complete the leave of absence form. (See the Student Leave of Absence section.) A 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, an admission application must be submitted through the Office of Admissions. The student's record will be

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re-evaluated, and the student is responsible for completing all new graduation requirements according to the University Catalog in effect at the time of re-admission.

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 the Business Office. (See General Refund Information.)

Students receiving financial aid of any kind must also consult with the Business Office or the Office of Financial Aid.

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 Advising 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 Office of the Registrar and/or academic advisor, graduation counselor or program coordinator of his or her intention to register. (Application through the Office of Admissions 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.*

Student Deactivation Policy

Any matriculated undergraduate student who fails to register for classes for any three full consecutive terms, including summer term, without executing a Leave of Absence will have his/her Benedictine academic record converted to "inactive" status. When/if a deactivated student plans to return to the University and continue academic study, she or he must first contact the Office of Admissions in the Enrollment Center and apply for re-admission. Once readmitted, the student record will be placed back in an "active" status.

Application for Graduation

Students must apply for graduation using the online graduation application found on MyBenU Self Service. The deadlines to apply are:

- October 1 for Spring Conferral
- January 1 for Summer Conferral
- March 1 for Fall Conferral

More information about applying to graduate can be found on the [Office of the Registrar](https://www.ben.edu/registrar/graduation-information.cfm) website at <https://www.ben.edu/registrar/graduation-information.cfm>.

Graduation Honors

Graduation honors are determined on the basis of coursework completed only at Benedictine

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University. Eligibility for graduation honors is contingent upon completion of the following specified undergraduate credit hours (excluding external credit hours), and achieved cumulative GPAs.

With completion of 30-53.99 undergraduate credit hours and achievement of the following cumulative GPA, this graduation honor is awarded:

- 3.500 to 4.000 With Honors

With completion of at least 54 undergraduate credit hours and achievement of the following cumulative GPAs, 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

Family Educational Rights and Privacy Act (FERPA) Annual Notice to Students

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

1. The right to inspect and review your education records within a reasonable time after Benedictine University receives a request for access. If you wish to review your record, contact the Office of the Registrar or the University office that maintains the record to make arrangements. You are required to submit your requests in writing and identify the record(s) you wish to inspect.
2. The right to request an amendment of your education record if you believe it is inaccurate, misleading, or otherwise in violation of your privacy rights under FERPA. If you feel there is an error in your record, you should submit a statement to the University official responsible for the record, clearly identifying the part of the record you want changed and why you believe it is inaccurate or misleading. That office will notify you of their decision and advise you regarding appropriate steps if you do not agree with the decision.
3. The right to consent to disclosures of personally identifiable information contained in the student's education records, except to the extent that FERPA authorizes disclosure without consent. One exception which permits disclosure without consent is disclosure to school officials with legitimate educational interests. This includes any University faculty or staff employee (including the University Police Department) acting within the scope of his or her University employment and with appropriate supervisory authority; any individual or entity with whom the University has contracted as its agent to provide a service to the University when acting within the scope of the contract or agency and who is subject to appropriate confidentiality requirements; any member of the University's Board of Trustees; any student serving on an official committee, such as a disciplinary or grievance committee; and any student assisting a University official in performing tasks for which the University official may have access. A school official has a legitimate educational interest if the official needs to review an education record in order to fulfill his or her professional responsibilities. Benedictine also

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Benedictine University

discloses education records without consent to officials of another school in which a student seeks or intends to enroll such as through partnerships and consortium agreements.

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

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

FERPA permits the release of directory information to third parties outside the institution without written consent of the student, provided that the student has been given the opportunity to withhold such disclosure. Benedictine University defines directory information as follows:

- Student's name, address, and phone number
- Major and minor fields of study
- Participation in officially recognized activities and sports
- Dates of attendance
- Degrees and awards received
- Most recent education institution attended
- Full-time/part-time enrollment status
- Photo
- Height, weight, and GPA of student athletes

A student may withhold disclosure of their directory information by completing the "[FERPA Non-Disclosure of Designated Directory Information](#)" form available in the Office of the Registrar, within ten (10) calendar days of the first scheduled class day of each fall term. A request to withhold disclosure of directory information is effective for one academic year only and must be renewed each year.

In compliance with the Solomon Amendment, directory information is provided to the United States Department of Defense, upon request.

A student may authorize the release of confidential information (including personally identifiable information from education records protected by FERPA, and other types of confidential information as well) to a third party by signing an [Authorization for Release of Confidential Information to a Third Party](#) form.

The University may also disclose student account and financial aid information without the student's consent to the student's parents if the parent requests the information in writing; completes the Parent Certification section of the [Authorization For Release of Confidential Information to Parents](#); and provides evidence that the student is his or her dependent for federal income tax purposes. The University may also disclose information to a parent if there is a health or safety emergency involving

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their son or daughter, or if their son or daughter is under the age of 21 and has violated a federal, state or local law or any University rule or policy concerning the use or possession of alcohol or a controlled substance.

FERPA permits the disclosure of students' education records, without consent of the student, if the disclosure meets certain conditions of the FERPA regulations. Benedictine University may disclose from the education records without obtaining prior written consent of the student the following:

- To other school officials, including teachers, within Benedictine University who are determined to have legitimate educational interests. A school official has a legitimate educational interest if the official needs to review an education record in order to fulfill his or her professional responsibilities. Legitimate educational interests include performing a task or engaging in an activity related to one's regular duties or professional responsibilities, a student's education, the discipline of a student, a service to or benefit for a student, measures to support student success, evaluation of academic programs, and the safety and security of the University. Individuals at the institution who have an educational interest in the student's educational record may share information internally to school officials that have a legitimate educational interest. This includes contractors, consultants, volunteers, or other parties to whom the school has outsourced services or functions.
- To officials of another school where the student seeks or intends to enroll, or where the student is already enrolled if the disclosure is for purposes related to the student's enrollment or transfer.
- To authorized representatives of the U.S. Comptroller General, the U.S. Attorney General, the U.S. Secretary of Education, or State and local educational authorities, such as the Illinois Board of Higher Education or other state agencies responsible for supervising Benedictine's education programs. Disclosures may be made in connection with an audit or evaluation of Federal- or State-supported education programs, or for the enforcement of or compliance with Federal legal requirements that relate to those programs. These entities may make further disclosures of student records to outside entities that are designated by them as their authorized representatives to conduct any audit, evaluation, or enforcement or compliance activity on their behalf.
- In connection with financial aid for which the student has applied or which the student has received, if the information is necessary to determine eligibility for the aid, determine the amount of the aid, determine the conditions of the aid, or enforce the terms and conditions of the aid.
- To organizations conducting studies for, or on behalf of, the school, in order to: (a) develop, validate, or administer predictive tests; (b) administer student aid programs; or (c) improve instruction.
- To accrediting organizations to carry out their accrediting functions.
- To comply with a judicial order or lawfully issued subpoena.
- To appropriate officials in connection with a health or safety emergency.
- To the general public, the final results of a disciplinary proceeding, if Benedictine University determines the student is an alleged perpetrator of a crime of violence or non-forcible sex

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offense and the student has committed a violation of the Benedictine University rules or policies with respect to the allegation made against him or her.

- Upon written request, the University will disclose, to the alleged victim of a crime of violence or a non-forcible sex offense, or to the alleged victim's next of kin (if the victim dies as a result of the crime or offense), the final results of any institutional disciplinary proceeding dealing with that crime or offense.

University Promotional Photos/Videos

Benedictine University and its representatives on occasion take photographs/videos for the University's use in print and electronic media. 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 Office of Marketing and Communications at (630) 829-6095.

Student Right-To-Know Act

The University provides data on retention and graduation rates through the Office of Institutional Research and at the [General Consumer Information](#) web page. Information on financial assistance, including descriptions of application procedures and forms, may be obtained from the Office of Financial Aid on the [Lisle Campus](#) (Lownik Hall). Information concerning athletic program participation may be obtained from the [Athletics Department on the Lisle Campus](#) (Rice Center). Other institutional information including: the cost of attendance, accreditation and academic program data, facilities and services available to disabled students, and withdrawal and refund policies are located elsewhere in this Catalog.

Campus Security Policy and Campus Crime Statistics Act

Benedictine University's Annual Security Report and Annual Fire Safety Report are available online. These reports meet the requirements of the Jeanne Clery Disclosure of Campus Security Policies and Campus Crime Statistics Act for the reporting of crime statistics, fire safety information, and other relevant University policies. The electronic versions of these reports are available on the Benedictine University website at:

Lisle Campus

Annual Security and Annual Fire Safety Reports

<http://www.ben.edu/student-life/police/annual-safety-report.cfm>

Printed copies of these reports may be obtained at the Benedictine University Police Department (ground floor of the parking structure located in the southwest part of the Lisle campus) or by calling the non-emergency telephone number, Lisle (630) 829-6122.



GENERAL ADMISSION INFORMATION

Tuition/Housing Deposits

To complete the admissions process, incoming freshmen are required to submit a \$100 tuition deposit. Transfer students who will be residents are required to submit a \$100 room and board deposit. Residential housing is available on a first-come, first-served basis. Incoming freshman 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.

Re-admission

Former Benedictine University students, not currently enrolled as degree-seeking students, may apply for re-admission. 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 Academic Admissions Committee sufficient reasons for reconsideration. A student's previous scholarship eligibility will be re-evaluated under the current transfer scholarship rules. 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 re-admission under amnesty, see the Academic Policies section. Students will be re-admitted under the current catalog requirements. Students that are close to graduation under their original catalog requirements may discuss options with their admissions counselor for appeal of their catalog year.

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 under Academic Programs or by contacting the faculty member 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.

English Proficiency Policy: Undergraduate TOEFL/IELTS Requirements

All international students must demonstrate they have met the English proficiency requirements for the Lisle campus degree program to which they are applying. Students applying to the Lisle campus for traditional freshmen or transfer programs must meet the following TOEFL or IELTS requirements:

- TOEFL Paper-Based Test: 550
- TOEFL Internet-Based Test: 79
- IELTS Exam: 6.5

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Test scores must be no more than one year old at the time of application and must be official documents in their original, unopened envelopes or sent directly from the testing service. Electronic verification is not guaranteed.

Under certain circumstances, the English Proficiency requirement *may* be met without the official TOEFL or IELTS. These circumstances may include:

- Studying at an accredited institution where the official language of instruction is English, consideration given for length of program, cumulative GPA and overall academic performance.
- Completing one year or more of academic coursework at a U.S. institution, pending review of transcripts.
- Completing a formal in-house English assessment with the Department of Languages and Literature per the recommendation of the Office of Admissions.
- Submitting an ACT or SAT score demonstrating proficiency upon review.
- Submitting official transcripts from ELS Language Centers with a score of 112; scores below 112 require a formal in-house English assessment.

A TOEFL/IELTS waiver will not be considered until all other documents required for admission have been received. Students may need to meet additional requirements such as the GPA or testing requirement, or they may be required to submit official confirmation of their language instruction. *At any time, the Office of Admissions, Office of International Programs and Services, or the Department of Languages and Literature can require further documentation or request the student submit an official TOEFL/IELTS or complete a formal assessment through the Department of Languages and Literature.* Once all required documents have been received, the TOEFL/IELTS may be waived if it is determined English proficiency has been met. Those students who do not demonstrate English proficiency have the option to attend the Intensive English Program.

Benedictine University reserves the right to test the English writing and speaking skills of all incoming undergraduate and graduate students if circumstances warrant it. Students may be placed in courses that will help them improve in their academic English proficiency. Such courses below the 1000 level will not count as credit towards degree minimums.

Please note, students attending subject to a short-term or exchange program and not earning a degree from Benedictine University may have different requirements.

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 (GED) certificate within six months of enrolling at Benedictine University.

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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. Benedictine'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.

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 1000 do not count toward the 120 semester credit hours required for graduation. University-level courses (1000 level or above) completed to fulfill a condition of admission will count toward the 120 semester credit 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).
5. Two units of modern language.

How To Apply to the Lisle Campus (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 or electronically from the institution to Benedictine's Enrollment Center. Official transcripts bearing the signature of the registrar and the institutional seal, emailed directly from the High School Guidance Counselor or school transcript vendor, are also considered official.

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.
 - a. Apply or download an application online at ben.edu/apply.
 - b. Request a hard copy application by contacting us at (630) 829-6300, toll free outside Illinois (888) 829-6363 or email at admissions@ben.edu.

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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 (may be required for some candidates).
5. Written personal statement (may be required of some candidates).

Lisle Campus Freshman Admission Requirements

We offer rolling admissions into all of our traditional undergraduate programs, meaning applications are accepted and admissions decisions are made throughout the year without deadline restrictions. We encourage traditional undergraduate students to apply within their first semester of their senior year of high school. The application review process takes approximately one week. Once your completed application has been received and reviewed, an admissions counselor will personally contact you by phone with your admission status. Prospective freshmen should accept the offer of admission and pay the tuition deposit no later than May 1 to secure their spot for the incoming freshman class.

Benedictine University requirements for Freshman Admission:

- 2.500/4.000 GPA
- 21 ACT/1060 (Math and Critical Reasoning combined) score SAT

Personal Statement: If students do not meet the above minimum requirements, they are encouraged to submit a **minimum one-page** personal statement. The topic of this personal statement is "What are your academic strengths and how will they help you at Benedictine?" The personal statement is meant to be a reflection of past academic coursework as well as your writing ability. It is necessary that you provide all relevant information about your academic performance and high school experience.

Academic Admissions Committee: The Academic Admissions Committee meets regularly to review applications for prospective students who do not meet the minimum admissions requirements. The Academic Admissions Committee looks for well-rounded students who will be successful and contribute to the Benedictine University community. If you have any specific questions about admissions requirements, your personal statement or the Academic Admissions Committee, please contact your [admissions counselor](#).

Certain programs may have additional enrollment criteria which can be found under Academic Programs.

TRANSFER ADMISSION

Transfer Candidates

Transfer candidates are defined as individuals with college credit or students whose high school graduation or GED completion date is six months prior to the academic year of enrolling at

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Benedictine University who intend to enroll in the traditional daytime program. Transfer candidates with less than 12 transferrable semester credit hours will be evaluated under the freshman checklist. Credits taken prior to high school graduation are not used to determine transfer student status.

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. Benedictine'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 to the Lisle Campus (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 or electronically 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 12 or more transferable semester credit hours:

1. Submit a completed application form.
 - a. Apply or download an application online at ben.edu/apply.
 - b. Request a hard copy application by contacting us at: (630) 829-6300, toll free outside Illinois (888) 829-6363, or email 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).
4. Letter of recommendation (may be required of some candidates).

If the applicant has less than 12 transferable semester credit hours:

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

Lisle Campus Transfer Admission Requirements

Benedictine University's admissions philosophy is to select students who will perform successfully in the University's academic programs and actively participate in University life. We offer rolling admissions into all of our traditional undergraduate programs, meaning applications are accepted and admissions decisions are made throughout the year without deadline restrictions.

Students transferring into Benedictine University's traditional undergraduate programs must have:

- A minimum of 12 transferable semester credit hours (If a student has fewer than 12 semester credit hours of transfer credit, freshman requirements apply).

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Benedictine University

- A cumulative GPA of 2.000 on a 4.000 scale or better from all colleges and universities previously attended.
- No previous academic probation or academic dismissal.

Students who do not meet the above admissions requirements are encouraged to contact the Office of Admissions to set up an appointment with one of our transfer counselors to discuss the Admission Committee review process. Certain programs have additional enrollment criteria which can be found under Academic Programs.

INTERNATIONAL ADMISSION

All prospective undergraduate students planning to study on a visa, asylum or refugee status are considered international applicants. 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 applications 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.

International Application Materials

1. Benedictine University's International Application for Admission.
2. A non-refundable application fee payable by personal check or money order of \$40 USD.
3. Official transcripts from all colleges, universities and language training programs attended in the U.S. Transcripts must be submitted with English translation (if applicable). Students with foreign academic credentials are required to submit an acceptable evaluation (see 5). Students who have submitted academic documents to an approved evaluation company may not be required to submit the same official academic documents directly to Benedictine.
4. Official evaluation of all non-U.S. credentials completed by Educational Credential Evaluators (ECE) (ece.org/) or Educational Perspectives (edperspective.org/benedictine/) or World Education Systems (wes.org/). Please contact the Office of Admissions to determine the type of evaluation required.
5. Official results of any of the following Standardized Tests: ACT, SAT, TOEFL or IELTS. Electronic verification of IELTS scores may be accepted; applicant must submit IELTS TRF number.
6. Evidence of English proficiency (please see English Proficiency Policy).

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7. High School Guidance Recommendation form (available online) or letter of recommendation (may be required of some candidates).
8. Written personal statement (may be required of some candidates).
9. For students requesting an F or J visa: Official bank document, statement or letter of sponsorship showing sufficient funds to cover one year of tuition, room and board, and personal expenses. Contact the Office of Admissions to determine the amount required.
10. International Student Health Form – Students must fully complete the health form that includes evidence of all immunizations and a current TB test.
11. For students requesting an F or J visa: Proof of health insurance or additional forms may be required depending on student visa.
12. Housing form if requesting on-campus housing.
13. Photocopy of passport ID page showing expiration date. If passport is expired, please submit renewal page.
14. Students requesting I-20s or DS-2019s to include dependents are required to submit additional information per U.S. Citizenship and Immigration Services regulations. Please contact ips@ben.edu for more information.

Undergraduate freshmen and transfer admissions applications, document instructions, and general University information can be obtained from the Office of Admissions by calling (630) 829-6300 or emailing admissions@ben.edu.

Documents required to be official should be mailed directly to Benedictine University from the applicable institution, evaluation company, testing service or financial agency. Documents not mailed directly to Benedictine University should be in their original, unopened envelopes. Benedictine University understands that students who attended academic institutions in countries experiencing or recovering from conflict may have difficulty obtaining official documents as defined above. Additionally, some institutions may require students or their families to request documents in person. Under these and other extenuating circumstances, students may work with the Office of Admissions to request a waiver of required documents.

International Admissions Procedures

Once all requirements are met and the applicant's file is complete, the file will be reviewed for admission. The applicant will be informed of the admissions decision in writing. If admitted, the applicant's file will be for documents required for the visa application. International Programs and Services will contact the student regarding the next steps in the process.

All F-1 students are required by law to be enrolled in a full-time course load. It is the international student's responsibility to maintain the validity of the I-20, passport, visa and I-94. It is the international student's responsibility to be aware of all expiration dates and allow ample time for renewal/extensions. International students are responsible for understanding the consequences of not abiding by their student visa regulations.

Students eligible for a conditional admission, pending successful completion of the Intensive English Program, will be issued an I-20 for language training. The education level on the I-20 will not be

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changed until the student has successfully completed the Intensive English Program and met all other requirements to begin their degree program. It may be possible that students who are issued an I-20 for language training who provide a higher IELTS or TOEFL upon arrival may not have courses available to meet visa regulations.

Conditional Admission for Undergraduate International Students

International students may be conditionally admitted to Benedictine University under a variety of possible conditions, including, but not limited to:

- Successful completion of Benedictine's Intensive English Program.
- Successful completion of Academic Discourse classes. (Please contact academic department for complete information on requirements to complete program.)
- Proof of degree completion or submission of official academic documents. (Please contact academic department for complete information on requirements to complete program).
 - Students admitted pending completion of a degree or official academic documents must submit these documents before beginning their coursework. Students who do not submit documents may be subject to dismissal.
- Restricted hours.
- Restricted major.
- Interview with Office of Student Life or Academic and Career Enrichment Center representative.
- Completion of Bridge program.
- Meeting with Academic and Career Enrichment Center.
- Completion of required coursework (Critical Reasoning) WRIT 1101-SLA.
- Additional conditions may apply, please contact the Office of Admissions for information.

The acceptance letter will clearly state the admissions conditions. A student who does not meet the conditions of their admission may be dismissed from Benedictine University. Once a student is dismissed, they are no longer enrolled in classes and will have their I-20 terminated. It is the responsibility of the student to contact the Office of Admissions for questions or concerns regarding the conditions of their acceptance.

I-20 Transfer Policy

International students already in the United States may plan to transfer their I-20 to Benedictine University after they are accepted. It is the international student's responsibility to be aware of their current institution's grace period, transfer and enrollment deadlines, and policies regarding I-20 transfer. Benedictine University will provide students an official acceptance letter in order to transfer their I-20, and will require students to work with their current institution to complete the I-20 Transfer Form. International students transferring in their I-20 must attend class full time during the term for which they have been accepted and the required subsequent terms.

Intensive English Program

Admission Materials:

1. Intensive English Program application

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2. Valid passport photocopy
3. Personal statement or interview with Benedictine faculty or staff
4. IELTS/TOEFL of 61 TOEFL iBT, 6.0 IELTS, or 500 paper-based TOEFL
5. Housing form if living on campus
6. Unofficial transcripts

Students who have been admitted to a degree-seeking program, pending successful completion of the Intensive English Program, do not need to submit a separate application, unless a designated school official requests this information as confirmation of the student's intended program before issuing the I-20 or DS-2019.

Short-Term Study and Exchange Program

Benedictine University has several agreements with institutions around the globe. Students interested in studying under terms stated in a formal agreement between Benedictine University and their home institution should work with International Programs and Services to determine the application requirements per the formal agreement. Students studying as short-term students are those students who are not intending to get a degree from Benedictine but would like to study for a short period of time. It is the responsibility of the student to work with their home institution to confirm their financial obligations to both their home institution and Benedictine University. Please contact IPS@ben.edu for additional information or visit ben.edu/IPS.

ADULT ACCELERATED UNDERGRADUATE ADMISSION

The Adult Accelerated Undergraduate programs were created to best serve the needs of adult and returning students who typically have two years or more of full-time work experience. 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 Admissions 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.

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 that an adult brings to the classroom. Rooted in the idea of responsible learning, the adult programs offer 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.

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School of Graduate, Adult and Professional Education Application Materials

Send all materials to: Enrollment Center ATTN: School of Graduate, Adult and Professional Education, Benedictine University, 5700 College Rd., Lisle, Illinois 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 may be issued by mail from the institution to the School of Graduate, Adult and Professional Education or approved official electronic transcripts can be sent directly from the issuing institution to nationalenrollment@ben.edu. Consideration for admission will take place when all the necessary information is received.

If the applicant has 20 or more transferable semester credit 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 by contacting us at (630) 829-2277, toll-free at (877) 353-9622 or nationalenrollment@ben.edu.
2. Postsecondary foreign credit (and high school graduation equivalency, where required) must be evaluated by Educational Credential Evaluators (ECE) at ece.org, Educational Perspectives (EP) at edperspective.org/benedictine or World Education Services (WES) at wes.org.
3. Reports must be a detailed "Course by Course" evaluation of credit. An official evaluation must be sent directly from ECE, EP or WES directly to Benedictine University. For more information, please contact your admissions representative. For BSN applicants only: Commission on Graduates of Foreign Nursing Schools (CGFNS) evaluation is acceptable for evaluation of foreign nursing education.
4. All official college/university transcripts with program-required minimum cumulative G.P.A.
5. Personal statement and current resume may be required of some applicants.
6. Letter(s) of reference from professional associates to evaluate the potential success of the candidate for the program may be required of some applicants.
7. RN to BSN Completion Program Applicants: A current, unencumbered Illinois registered nurse (RN) license is required prior to enrollment in BSN cohort coursework.
8. RN to BSN Completion Program Applicants: Final transcripts with conferral of an A.A.S. in Nursing from a regionally accredited institution with a minimum of 86 semester hours in designated, required coursework is required prior to enrollment in BSN cohort coursework.

If the applicant has fewer than 20 transferable semester credit hours, submit proof of high school graduation or GED completion. Please contact your admissions representative with any questions on the above requirements.

School of Graduate, Adult and Professional Education Admissions Requirements

We offer rolling admissions into all of our undergraduate programs, meaning, applications are accepted and admissions decisions are made throughout the year without deadline restrictions.

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Students entering Benedictine's adult undergraduate programs must meet the following requirements:

PROGRAM	REQUIREMENTS
Bachelor of Arts in Criminal Justice, Bachelor of Arts in Management and Bachelor of Arts in Organizational Leadership, Bachelor of Arts in Psychology, Bachelor of Business Administration in Accounting (SGAPE hybrid off campus)	Cumulative GPA 2.000/4.000 from any college-level coursework and generally two years of work experience. May require identified Basic Skills and prerequisite courses, before enrolling in the major (cohort courses).
Bachelor of Business Administration in Accounting, Bachelor of Business Administration in Business Analytics, and Bachelor of Business Administration in Finance (Lisle accelerated on-campus)	Cumulative GPA 2.000/4.000 from any college-level coursework and generally two years of work experience. May require identified Basic Skills and prerequisite courses in College Algebra or Finite Math, Managerial Accounting, Financial Accounting; and for Finance majors, Microeconomics and Macroeconomics.
Bachelor of Science in Nursing	Cumulative GPA 2.500/4.000 from any college-level coursework; completion of the first year A.D. nursing courses from a regionally accredited institution. Before enrolling in the major conferral of A.A.S Degree with a major in Nursing from a regionally accredited institution; proof of current, unencumbered RN license in the state of RN employment; 86 semester credit hours in designated, required coursework documented by official transcripts; of the 86 credits, students may have up to 12 general education course credits to complete prior to enrollment in BSN NRHL Cohort Course sequence.

Students who do not meet the above admissions requirements are encouraged to contact the School of Graduate, Adult and Professional Education to set up an appointment with one of our adult admissions counselors to discuss the Admission Committee review process.

How to Apply to Benedictine University Online

The quickest and easiest way to apply to Benedictine University's online degree programs is through our online application. You can apply for all of Benedictine's online programs at online.ben.edu.

If you would prefer to fill out a paper copy, please contact us at (866) 295-3104 to speak to a program manager who can supply you with an application.

You can pay the application fee [online](https://online.ben.edu). **Please note that this fee is non-refundable.** Benedictine has established the Economic Hardship Application Fee Waiver program to assist applicants who are financially burdened by the application fee for an online program. Interested applicants are encouraged to contact their program manager for details.

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If you still have questions, please call us at (866) 295-3104 to speak with one of our program managers, or request info at online.ben.edu.

Online Admissions Checklists

Visit online.ben.edu/admissions/checklist for your specific program admissions checklist.

Adult Advising

Our programs are designed for working adults and recognize that students in these programs are highly self-directed with multiple demands on their time. Faculty and staff are committed to creating a decision-making framework through which students can 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.

Graduation counselors or program coordinators assist adult students with their academic advising needs within the School of Graduate, Adult and Professional Education. We focus on providing student-centric support, through degree completion for our enrolled students, including:

- Personal one-on-one advising meetings;
- Individual degree completion plans;
- Orientation/program introduction materials for new students;
- Information on live online tutoring through Smarthinking, Inc.;
- Assistance with degree audits;
- Continued support via classroom visits.



FINANCIAL POLICIES

Benedictine University is a nonprofit 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: 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 offers interest-free monthly payment plans through MyBenU for those students seeking arrangements to balance their tuition payments over an extended period of time.

A "Statement of Account" is generated and available on MyBenU 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). Please note that payments are expected by the due date regardless of whether a statement is received. Please contact the Business Office at (630) 829-6503 with any questions regarding your statement.

<http://www.ben.edu/student-accounts/tuition-and-fees.cfm>

Students are responsible for securing required textbooks and other educational resources prior to the start of each course.

Benedictine University reserves the right to change tuition, fees, courses and sequencing of courses without notice. Please note that fees are nonrefundable.

All tuition remission students and consortium students must pay applicable fees such as student service, graduation, certificate, course and lab fees. All fees are subject to change without further notice.

Some programs may qualify for partnership tuition eligibility if on-site. Academic partnership approval is required and dual discounts cannot be applied.

Payment Options

Payments made by personal check, business check or online by ACH will be subject to a 3-business-day hold to allow for clearance of funds. This hold will not be lifted until 3 business days have passed, regardless of your scheduled registration date. Any holds on your account must be satisfied before registration for the upcoming term will be allowed.

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If you have questions regarding an outstanding balance or a financial hold on your account, please contact the Business Office at (630) 829-6503.

Tuition and fees are incurred at the time of registration. For ALL programs, payment of tuition, fees and housing charges is due seven (7) calendar days after the first day of class unless the balance is covered by financial aid or set up on a payment plan through MyBenU (see below).

1. **Payment in full**

Benedictine University accepts cash, personal checks, money orders, Visa, MasterCard, American Express and Discover. Students may view and pay their accounts online at ben.edu/MyBenU from any on-campus computer or access MyBenU via [BenUConnect](#) from off-campus. Instructions on how to make an online payment are found at ben.edu/MyBenU.

2. **Monthly Payment Plans**

Benedictine University provides interest-free monthly payment plans through MyBenU (administered by TouchNet). Students may set-up plans to manage their out-of-pocket tuition costs annually or per term, depending on their program. Students may enroll online through MyBenU or make a parent/guardian an authorized user to set up a payment plan.

Please note that you will continue to receive monthly account billing statements from Benedictine University while enrolled in a payment plan until your student account balance is paid in full.

- a. Annual budgets (fall and spring combined tuition) traditional semester students only – For a fee of \$40, students can make monthly payments toward their full-year's tuition balance (June–May). Effective with the fall 2019 semester, students must contact the Business Office to enroll in this plan. Enrollment is open until June 30th. The Business Office will determine your annual budget. Please note that your budget may be adjusted throughout the year based on enrollment, fees, financial aid, etc. Tuition for the spring semester must be paid in full with the May 1 payment.
- b. Single term budgets (semester, all campuses) – For a fee of \$25, students can make monthly payments toward their tuition balance for a single term. The payment plan for fall begins August 1 and begins January 1 for spring. Balances must be paid in full prior to the next quarter/semester registration or start date.

3. **Employer tuition reimbursement**

For a \$25 fee per session, students can enroll in a single tuition payment due at the end of the term/session (plus approximately a month grace period). Documentation of your approval in your employer's tuition assistance plan must be submitted to the Business Office of Benedictine University prior to enrolling in this plan. An updated copy of your eligibility must be submitted annually. Students may fax this documentation to the Business Office at (630) 829-6501 or email it to sar@ben.edu. After submitting the documentation, you will receive notification from the Business Office that you are eligible to enroll in the payment plan. Please note that tuition is due in

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full according to the deferred due date regardless of when individual employers reimburse their employees.

4. **Third Party Payment Authorization/Direct Company Billing**

The Business Office will bill a third party (an organization, business or agency) for any and all charges on a student's account, if a valid authorization from the third party sponsor is received on or before the beginning of the course/term. Benedictine University will send an invoice to the third party after the add/drop period. Payment is due upon receipt of the invoice and is not contingent upon the student successfully completing the course. All authorized and non-authorized charges not paid for by the third party will be the responsibility of the student.

****Upon the student's written request, from their BenU email account, The Business Office can prepare an itemized receipt for the student's completed (and paid) courses that he/she may provide to his/her employer for reimbursement.**

*****Failure to meet options by payment deadline will result in a late payment fee of \$100 and a financial hold placed on the student's account*****

Tuition Refund Policy

1. To be eligible for a tuition refund after the commencement of classes:
 - a) The student must officially withdraw from a course within the timeframes set out in the Tuition Refund Timetable below, and
 - b) After the official withdrawal from a course or courses, be enrolled less than full time (less than 12 semester credit hours) or have been enrolled in an overload of over 18 credits and reduced to 18 credits or lower.
2. Students maintaining a full-time enrollment of 12 or more semester credit hours in the term, after the official withdrawal from a course or courses, are not eligible for a refund.
3. If a student withdraws after the add/drop period is over, the withdrawn course is included in the attempted hours. If an additional course is added and the student is over 18 credit hours, the student is charged the overload fee. For example, a student is in 18 credit hours and withdraws from a 3 credit hours course and receives a W for that course. The student then enrolls in a 2 credit hour course. This brings that student's attempted hours to 20, so the student would be charged an overload fee for 2 hours.
4. Students who are expelled, administratively withdrawn or suspended from the University during the course of an academic term are not eligible for a tuition refund and are responsible for all tuition, fees and other costs incurred.
5. Recipients of federal financial aid who officially drop a course or withdraw from the University are subject to Return of Title IV Funds regulations. Dropping a course or withdrawing from the University (officially or unofficially, such as by non-attendance) may result in a portion or all of financial aid being returned back to the Department of Education. This may result in a debit balance to the student's account with the University, which the student is responsible to pay.

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6. The amount of refund, if any, is determined by the date the student successfully completes the drop in MyBenU; or the date the completed Add/Drop or Withdrawal form is received by the University. See the Tuition Refund Timetable below for timeframes and refund percentages.
 - a) Students who do not officially drop a course in MyBenU or in writing will be financially responsible for the entire cost of the course.
 - b) Notifying the instructor of intent to drop a course and/or non-attendance in a course does not constitute an official withdrawal for purposes of eligibility for refunds by the University to the student.
 - c) Tuition credit for complete withdrawal will be made only after the proper withdrawal notification has been submitted.
 - d) If the drop results in a credit balance on the student's account, refunds will be issued within 30 days of the official drop or withdrawal date.
7. To officially withdraw from a course after the commencement of classes, all students should use MyBenU to complete the withdrawal, or complete the ADD/DROP FORM and return it to the Registrar's Office with appropriate signatures of approval before the appropriate deadline. Students enrolled in Adult Accelerated Learning Team programs must complete the LEARNING TEAM CHANGE FORM and return it to the campus office listed in the section below.
8. To officially withdraw from the University after the commencement of classes, a student must complete the necessary paperwork at the following locations. A student planning to return within four consecutive semesters (not including summer semesters) must apply for a Leave of Absence, and a student not planning to return must complete the Withdrawal Form.
 - **Lisle Main Campus** – Complete the WITHDRAWAL FORM. Return it to the Academic and Career Enrichment Center.
 - **School of Graduate, Adult and Professional Education** – Complete the LEARNING TEAM STUDENT SCHOOL/PROGRAM WITHDRAWAL FORM. Return it to your Graduation Counselor or Program Coordinator.

Tuition Refund Timetable				
Refund per dropped course	Traditional Programs Fall/Spring Terms	Traditional Programs Summer Term	School of Graduate, Adult and Professional Education Teams	Online Programs
Full Refund	Up to 7 calendar days after first class meeting	Up to 3 calendar days after first class meeting	Up to 7 calendar days after the first class meeting	Up through Thursday of the first week of the session
75 percent Refund	8-14 calendar days after the first class meeting	N/A	N/A	N/A
50 percent Refund	15-21 calendar days after the first class meeting	4-6 calendar days after the first class meeting	N/A	Friday through Sunday of the first week of the session
No Refund	22 calendar days or more after the first class meeting	7 calendar days or more after the first class meeting	8 calendar days or more after the first class meeting	After the first week of class
No Refund	After the first class meeting for courses with a condensed meeting schedule	After the first class meeting for courses with a condensed meeting schedule	After the first class meeting for courses with a condensed meeting schedule	N/A

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. Financial appeals over a year old will not be accepted by the Committee.

Submit the appeal to the Financial Appeals Committee by:

Mail:

Benedictine University
Attn: Financial Appeals Committee
5700 College Road, Lisle, IL 60532

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Benedictine University

Fax:
Financial Appeals Committee
(630) 829-6501

Email: FinancialAppealsCommittee@ben.edu

For more information on the Business Office, please visit ben.edu/student-accounts/index.cfm.

Fees

Late Registration Fee: \$100 per course late fee registration for enrolling after the drop/add period.

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.)

Refunds

Refunds are issued to students when excess funds exist on their accounts after crediting Title IV funds. Refunds for student loans and other Title IV funds are processed 10 days after funds are posted to the student's account. Parent PLUS loans are refunded to the borrower (parent) or student based on the selection the borrower makes during the PLUS loan application process. A parent who is due a refund will receive a mailed check. To request a refund of another type of overpayment on your account, you must complete a refund request form and send it to the Business Office. The refund request form can be found online at ben.edu/student-accounts/index.cfm.

When a student receives their refund depends on the refund method they have selected using their Benedictine University BankMobile Account. The Refund Selection Kit will be mailed to the student's home address on file with Benedictine University. Once the student has received their kit in the bright GREEN envelope, the student must log in using their personal code. You **MUST** make a choice for your preferred method of receiving the refund (debit card or electronic transfer to another bank of your choice). If you have started class and have not yet received a Refund Selection Kit, please call the Business Office at (630) 829-6503 to request one. To learn more about the process visit www.refundselection.com.

All drops or withdrawals are dated as of the date in which they were submitted to the Office of the Registrar or processed on MyBenU. The tuition refund policies are listed above. The summer terms have a separate tuition refund policy. 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.

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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 Program, a 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, diplomas, honors, grades or transcripts of credit until all bills are paid and National Direct/Defense Student loans and Perkins loans are in current status.
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 at least half-time (6 semester credit hours).

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.

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Benedictine University

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) at fafsa.gov.

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

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

Grants are considered to be gift assistance. Gift assistance does not have to be repaid.

State of Illinois (IL) Monetary Award Program (MAP) Grant

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)

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

Scholarships

Scholarships are considered to be gift assistance. Gift assistance does not have to be repaid.

Scholarship information for incoming freshmen can be found at

ben.edu/admissions/undergraduate/freshman/scholarships.cfm. Scholarship information for incoming transfers can be found at ben.edu/admissions/undergraduate/transfer/scholarships.cfm. Scholarship information for current students can be found at ben.edu/current-students/scholarship.cfm.

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.

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Benedictine University

Federal Perkins Loan

Source: Federal Government through Benedictine University

Eligibility: U.S. citizens or eligible noncitizens, demonstration of need (FAFSA)

Interest rate: 5 percent

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 credit hours

The interest rate for Federal Direct Stafford Loans is established each year and the rate is fixed for the life of the loan. Unsubsidized Stafford Loans will begin to accrue interest from the date that loan funds are disbursed.

Federal Direct Parent Loan Program (PLUS)

Source: Federal Direct Loan Program

Eligibility: Dependent student registered at least half-time, credit-worthy parent borrower/endorser.

For more information about student loans, visit studentaid.gov/loans.

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.

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 Policy for Financial Aid Recipients

Federal regulations require that Benedictine University establish standards of Satisfactory Academic Progress (SAP) for students to receive 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.

Financial Aid Programs Included Under this Policy

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

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Students Subject to this Policy

All students currently receiving federal and/or state financial aid funds are subject to this policy. Benedictine University students who have not previously received financial aid are required to meet the cumulative GPA requirement of this policy prior to receipt of financial aid.

Satisfactory Academic Progress includes three criteria:

- I. Academic standing based on the undergraduate or graduate student's cumulative GPA;
- II. The student's cumulative progression toward successful degree completion; and,
- III. Degree completion within a maximum timeframe of 150 percent of the published length of a program for undergraduate and graduate students.

In order to maintain Satisfactory Academic Progress, students must comply with the following requirements:

1. Remain in good academic standing or on academic probation. The minimum cumulative GPA for an undergraduate is 2.000 and the minimum cumulative GPA for a graduate student is 3.000 (as defined in the University catalog).
2. Maintain a completion rate of coursework equal to at least 67 percent of the total number of semester credit hours attempted. This quantitative requirement ensures the student is steadily progressing toward their degree by completing at least two-thirds of all attempted semester credit hours. For example, a student who has attempted a cumulative total of 12 semester credit hours must complete at least 8 semester credit hours to meet the requirement ($12 \text{ hours} \times .67 = 8 \text{ semester credit hours}$).
3. Complete their degree requirements within 150 percent of the required hours to complete their degree. For example, a student enrolled in a traditional undergraduate bachelor's degree program that requires a total of 120 semester credit hours would have a maximum limit of 180 semester credit hours.

Once a student has reached the maximum credit hours, the student is no longer eligible to receive federal or state financial assistance. All terms of enrollment are reviewed as well as all transferred credits regardless of whether aid was received.

Satisfactory Academic Progress Review Process

Satisfactory Academic Progress for all students, except learning team students, is reviewed on an annual basis, typically at the end of the spring term. Satisfactory Academic Progress for learning team students is reviewed at the end of each payment period. Satisfactory Academic Progress for online undergraduate students is reviewed twice, at the end of the fall and spring sessions. Students failing to meet Satisfactory Academic Progress will be notified in writing of their loss of financial aid eligibility.

Appeal Procedure – Cancellation of financial aid because of a 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 appeal must include information explaining why the student failed to meet Satisfactory Academic Progress; what has changed in the student's situation that would allow the student to demonstrate Satisfactory Academic Progress at the next evaluation; a realistic educational plan that outlines how the student will meet the SAP criteria; and a meeting with

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an academic advisor, graduation counselor or program coordinator to assess the viability of the educational plan to meet the degree requirements. The student's appeal must be in writing and submitted to the Financial Aid Appeals Committee. An appeal may be approved only if:

1. The student will be able to meet Satisfactory Academic Progress standards after the subsequent payment period; or,
2. The student submits an academic plan that, if followed, will ensure that the student is able to meet Satisfactory Academic Progress standards by a specific point in time.

The deadline to submit an appeal to reinstate financial aid must be received at least 30 days prior to the anticipated term of enrollment.

Probation: If the student's appeal is approved, he/she may continue to receive Title IV aid for one additional payment period. SAP will be monitored at the end of the probationary period.

Reinstatement: A student may regain eligibility for financial aid once the student has met the minimum requirements of Satisfactory Academic Progress.

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.

Definitions for Financial Aid Purposes

Completion of Courses

For undergraduate students, hours completed are based on grades of "A," "B," "C," "D" and "P" (pass). Hours with an "F" (failure), "W" (withdrawal), "I" (incomplete), and "IP" (in progress) are counted in the number of hours attempted, but not in the number of hours completed.

Class repeats – all transfer credits and developmental course hours are counted in the total number of hours attempted/completed.

Note: It is the student's responsibility to notify the Office of Financial Aid when an incomplete grade has been satisfactorily completed.

Financial Aid Leave of Absence Policy

An **Academic** leave of absence (LOA) is a process that allows 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 **Financial Aid** leave of absence (LOA), for Return of Title IV funds purposes is a "temporary interruption in a student's program of study" (Federal Student Aid Handbook, vol. 5 page 10).

Length of Approved Leave

The Office of Financial Aid may grant a qualifying student a financial aid leave of absence of up to 180

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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 exceeds 180 days in a 12-month period, the Office of Financial Aid will contact and advise the student that the request is denied and the student will need to officially withdraw from the program.

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 of study. Therefore, Benedictine University extends to all students the ability to begin a new course of study 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. For more information, please see the section titled Return of Title IV Funds on our financial aid web page.

Traditional Student Requirements

Traditional students should work with the Academic and Career Enrichment Center in order to lessen any academic ramifications. The University Withdrawal/Leave of Absence form will be completed through the Academic and Career Enrichment Center and must indicate the term and year the student plans to return to the University. Even though the Academic and Career Enrichment Center may approve a leave for longer than 180 days; federal regulations dictate that financial aid recipients must return within 180 days or they will be considered withdrawn. See the section beginning with "Failure to Return" for more information.

Nontraditional Student Requirements

Nontraditional students requesting a financial aid leave of absence must complete and sign an Official Financial Aid Leave of Absence request form and submit it to the Office of Financial Aid to be

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processed no later than the student's last day of attendance in the course immediately preceding the leave. The student's date of return must be included on the LOA.

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 academic advisor, graduation counselor or program coordinator can request and submit the student's request to the Financial Aid Appeals Committee for approval. Unforeseen circumstances may include medical and family emergencies, unexpected business travel and natural disasters. If approved, the student will be granted a leave of absence retroactively to the student's last date of attendance, the student will be notified by the Office of Financial Aid and the student's academic record will be adjusted accordingly.

Return of Title IV Funds Policy

Federal Title IV funds are awarded to a student under the assumption that the student will attend school for the entire period for which assistance is awarded. If a student who received Title IV funds withdraws, either officially or unofficially, on or before completing the payment period, the Office of Financial Aid is required to recalculate and review the student's eligibility for the financial aid.

Students Subject to this Policy

All students currently receiving federal funds are subject to this policy.

Financial Aid Programs Included Under this Policy

All Title IV Federal financial aid programs are subject to this policy. This includes:

1. Federal Direct Unsubsidized Stafford Loan
2. Federal Direct Subsidized Stafford Loan
3. Federal Perkins Loan
4. Federal Direct PLUS Loan
5. Federal Direct Graduate PLUS Loan
6. Federal Pell Grant
7. Federal Supplemental Educational Opportunity Grant (SEOG)
8. Iraq Afghanistan Service Grant

Consequences of Withdrawing From Courses

Withdrawing from courses may affect a student's financial aid award eligibility. Prior to withdrawing from courses, students are advised to speak with their financial aid counselor and academic advisor, graduation counselor or program coordinator or Academic and Career Enrichment Center representative. (Refer to the Withdrawal Guidelines below to understand possible effects of withdrawing on many aspects of a student's education.)

Financial Consequences of Withdrawing

Financial aid is awarded to assist with educational expenses for the length of an entire payment period. If a Title IV recipient withdraws prior to completing 60 percent of the payment period, the Office of Financial Aid must determine how much of the federal funding was "earned" up to the time of withdrawal. This review and recalculation is called a "Return of Title IV Aid" (R2T4). If the recalculation determines the student did not earn all of the funds that were disbursed, the excess aid

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received must be returned to the federal government within 45 days of the date of the student's withdrawal. The Office of Financial Aid will notify the student of the return of funds. If the student previously received a refund from financial aid, the student may be required to return a portion of those funds to the university. Title IV funds that must be returned to the government may create a balance due to the University.

Number of Weeks a Student Must Complete to Earn Financial Aid for Each Payment Period

The following chart represents the approximate number of weeks for each program type students need to complete to retain all aid that was disbursed for the payment period (minimum of 60 percent of the payment period).

Program	Payment Period	60% Completion
Traditional Undergraduate Semester	15 Weeks	9 Weeks
Online Undergraduate Semester Session	8 Weeks	5 Weeks
Cohort Undergraduate Semester	15 Weeks	9 Weeks

Determination of Withdrawal Date

- Official Withdrawal:
 - A withdrawal is considered to be an "official" withdrawal when the student completes an official withdrawal form through the Advising Center, their academic advisor, graduation counselor or program coordinator or verbally notifies the Office of Financial Aid. Acceptable notification includes oral notification to the designated contacts listed above.
- Unofficial Withdrawal:
 - A withdrawal is considered to be an "unofficial" withdrawal when the student stops attending classes and does not withdraw from those classes or notify the University. In these circumstances, the withdrawal date is based on the student's last academic activity (i.e. took an exam, submitted a term paper, etc.). If the date is unknown, the withdrawal date will be the midpoint or 50 percent of the payment period.
 - If the student could not notify the University of their intent to withdraw because of extenuating circumstances (illness, accident, grievous personal loss, or other circumstances beyond student's control), the withdrawal date used will be based on documentation related to the event once the Office of Financial Aid is notified.
 - If a student does not return from an approved leave of absence (LOA) or does not indicate a date of return less than 180 days on the LOA form, the withdrawal date will be the student's last day of attendance prior to the beginning of the LOA and a Return of Title IV Funds will be calculated.

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Students with All Failing Grades

Most academic programs at Benedictine do not require monitoring of student attendance. For Title IV recipients, federal regulations state if a student fails to earn a passing grade in at least one course within the payment period, the institution must assume that the student has unofficially withdrawn unless there is documentation that the student completed the period.

Reinstatement/Re-award

A student may have their financial aid reinstated or re-awarded after a Title IV calculation has been processed once the student returns to the University.

Definitions for Financial Aid Purposes

Leave of Absence (LOA): For all students, a leave of absence is a process designed to allow students to interrupt their academic program for a limited period of time during which the student is considered to have an active status with the University.

Post-Withdrawal Disbursement: Funds that a student is eligible to receive but were never disbursed prior to the last day of attendance.

Withdrawal Guidelines

Withdrawing from courses while attending Benedictine may have implications beyond the academic realm. It is important to take these other areas into consideration prior to withdrawing. Please refer to the checklist below to assist you in determining these other areas.

1. **Financial Aid** – Call the Office of Financial Aid (630) 829-6100 or meet with a financial aid counselor to discuss the following:
 - **Your eligibility for federal or state financial aid:** If you are considering withdrawing from courses, be sure to discuss the federal Title IV refund policy and its implications for your current financial aid payment period with your financial aid advisor.
 - **Your current and future eligibility for financial aid:** Undergraduate students should be aware that Federal Pell Grant, Federal Direct Subsidized Loan and the Illinois Monetary Award Program (MAP) have lifetime limits.
 - **Enrollment changes from full-time to part-time status:** Changes in enrollment can affect the amount of your financial aid eligibility and may affect your eligibility for any enrollment-dependent benefits – such as prior loan deferment or certain types of insurance coverage.
 - **Satisfactory Academic Progress (SAP) regulations:** Federal regulations require that students make steady progress toward a degree to remain eligible for financial aid. You may review the financial aid SAP Policy in the Forms section of our financial aid webpage.
 - **Student loan deferment:** If you have borrowed federal student loans your withdrawal will have implications which may include your grace period beginning to start or even the repayment on prior loans. Please contact your federal loan servicer for information to determine how withdrawal will affect your loan repayment. You may view your loan information on the National Student Loan Data System.

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- **Increased educational expense:** Remember that your educational costs will increase when you withdraw and may result in increased time to complete your degree. The expense of unearned coursework, increased educational debt and the potential loss of long-term student aid eligibility. Work with your financial aid counselor and academic advisor to minimize this cost.
2. Business Office – Call a Business Office representative at (630) 829-6503 to discuss any of the following:
 - Any outstanding balance you may have.
 - The implications of withdrawing if you participate in a payment plan.
- Please note: outstanding balances must be repaid prior to any future registration and/or release of transcripts.
3. Housing – If you are living in a university residence hall, your housing could be affected by withdrawal. Contact Residence Life at (630) 829-6660 to discuss:
 - The implications for your housing obligation if you withdraw or drop below full-time.
 - Any cancellation requirements or financial responsibility you may have for your housing contract if you withdraw.
 4. Academic Advising
 - You should discuss your anticipated withdrawal and your return plans with your academic advisor, graduation counselor or program director.
 - If you will be out of school for one year or more, discuss re-admission procedures.

PROGRAM FORMATS

Traditional Undergraduate Programs

The traditional undergraduate programs include day and some evening classes held throughout the year.

Adult Accelerated Undergraduate On-campus Programs

On-campus classes meet once per week.

Adult Accelerated Undergraduate Hybrid Programs

Hybrid classes meet once per week in the evening on campus and/or at partner locations. Hybrid classes meet for five weeks per term and have one weekly 4-hour asynchronous session online in Desire2Learn (D2L). Hybrid classes are completed in two years or less and begin year-round. Bachelor of Science in Nursing classes meet once per week in the evening on campus and/or at partner locations. Coursework is completed in as little as 12 months.

Students start at the same time with the same catalog year requirements and progress together as a group with a set schedule for the duration of the program. The programs are based on a traditional curriculum that has been redesigned to fit the needs and schedules of today's working adults. All courses are based on adult learning principles and are delivered in a blended format that combines the most effective aspects of live instruction with self-directed internet-based learning.

Adult Accelerated Undergraduate Online Programs

Benedictine's online programs offer a full academic experience in a convenient and flexible format. Just as in a campus-based course, students discuss issues with peers, ask questions of instructors and have assignment deadlines to meet. Online students have access to a 24/7 help desk, a program coordinator, financial aid advisors and career services.

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ACADEMIC CALENDAR

2019-2020

Master Academic Calendar

Main Campus, Undergraduate Semester, Traditional [SEM],
Modular Adult [MOD, AAGE], and 8 Week Online Delivery Formats

FALL 2019

AUGUST

22-24	Thur Sat	New Student Orientation – BenBeginnings
26	Mon	SEM FALL, MOD 1, AAGE 1 and Online Session 1 BEGIN
29	Thur	Opening Liturgy; no SEM/MOD classes between 10:30am and 1:30pm; all University offices open; End of Add/Drop Course Changes and Late Registration for Online Session 1 classes

SEPTEMBER

1	Sun	End of Add/Drop Course Changes and Late Registration for AAGE 1 classes and SEM 15 week classes
2	Mon	Labor Day; no SEM/MOD classes; all University offices closed
22	Sun	Last day to withdraw from AAGE 1 classes
29	Sun	MOD 1 and AAGE 1 END
30	Mon	MOD 2 and AAGE 2 BEGIN

OCTOBER

1	Tue	Application Deadline for Graduation for May 2020 Degree/Certificate Recipients
6	Sun	Last day to withdraw from Online Session 1 classes ; End of Add/Drop Course Changes and Late Registration for AAGE 2 classes
20	Sun	Online Session 1 ENDS
21	Mon	Online Session 2 BEGINS
24	Thur	End of Add/Drop Course Changes and Late Registration for Online Session 2 classes
27	Sun	Last day to withdraw from AAGE 2 classes

NOVEMBER

3	Sun	MOD 2 and AAGE 2 END ; Last day to withdraw from SEM 15 week classes
4	Mon	Spring 2020 Term Registration Begins; MOD 3 and AAGE 3 BEGIN
10	Sun	End of Add/Drop Course Changes and Late Registration for AAGE 3 classes
15	Fri	Last day to file application for Fall 2020 Student Teaching
25	Mon	Last day to file application for Spring 2020 Pre-clinicals
27-29	Wed-Fri	Thanksgiving Holidays; no SEM/MOD classes
28-29	Thur-Fri	Thanksgiving Holidays; all University offices closed

DECEMBER

1	Sun	Last day to withdraw from AAGE 3 and Online Session 2 classes
8	Sun	MOD 3 and AAGE 3 END
9-13	Mon-Fri	SEM FALL Official Final Exam Period
15	Sun	SEM FALL and Online Session 2 END
23-31	Mon-Tues	Christmas Holidays; all University offices closed; no classes
31	Tues	December Degree Conferral

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2019-2020

Master Academic Calendar

Main Campus, Undergraduate Semester, Traditional [SEM],
Modular Adult [MOD, AAGE], and 8 Week Online Delivery Formats

SPRING 2020

JANUARY

1	Wed	New Year's Holiday; all University offices closed; no classes ; Application Deadline for Graduation for August 2020 Degree/Certificate Recipients
6	Mon	MOD 4, AAGE 4 and Online Session 3 BEGIN
9	Thur	End of Add/Drop Course Changes and Late Registration for Online Session 3 classes
12	Sun	End of Add/Drop Course Changes and Late Registration for AAGE 4 classes
13	Mon	SEM SPRING BEGINS
19	Sun	End of Add/Drop Course Changes and Late Registration for SEM 15 week classes
20	Mon	Celebration of Martin Luther King Day; no SEM/MOD classes ; all University offices open

FEBRUARY

2	Sun	Last day to withdraw from AAGE 4 classes
9	Sun	MOD 4 and AAGE 4 END
10	Mon	MOD 5 and AAGE 5 BEGIN
16	Sun	Last day to withdraw from Online Session 3 classes ; End of Add/Drop Course Changes and Late Registration for AAGE 5 classes

MARCH

1	Sun	Online Session 3 ENDS ; Application Deadline for Graduation for December 2020 Degree/Certificate Recipients
2	Mon	Online Session 4 BEGINS ; Summer 2020 Term Registration Begins
5	Thur	End of Add/Drop Course Changes and Late Registration for Online Session 4 classes
8	Sun	Last day to withdraw from AAGE 5 classes
15	Sun	MOD 5 and AAGE 5 END
16-22	Mon Sun	Spring Break; no SEM/MOD/AAGE classes ; all University offices open
23	Mon	MOD 6 and AAGE 6 BEGIN
29	Sun	Last day to withdraw from SEM 15 week classes ; End of Add/Drop Course Changes and Late Registration for AAGE 6 classes
30	Mon	Fall 2020 Term Registration Begins

APRIL

10-11	Fri-Sat	Good Friday and Holy Saturday; no SEM/MOD classes ; all University offices closed
12	Sun	Easter Sunday; no SEM/MOD classes ; all University offices closed ; Last day to withdraw from Online Session 4 classes
13	Mon	Easter Monday; MOD classes in session ; no SEM classes ; all University offices closed
19	Sun	Last day to withdraw from AAGE 6 classes
24	Fri	Last day to file for Fall 2020 Pre-clinicals; Last day to file application for Spring 2021 Student Teaching
26	Sun	MOD 6, AAGE 6 and Online Session 4 END

MAY

4-8	Mon-Fri	SEM Spring Official Final Exam Period
8	Fri	Interfaith Hooding Ceremony
9	Sat	Baccalaureate Mass and Commencement Ceremony
10	Sun	SEM SPRING ENDS
31	Sun	May Degree Conferral

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2019-2020

Master Academic Calendar

Main Campus, Undergraduate Semester, Traditional [SEM],
Modular Adult [MOD, AAGE], and 8 Week Online Delivery Formats

SUMMER 2020

MAY

11	Mon	MOD 7, AAGE 7 and Online Session 5 BEGIN
14	Thur	End of Add/Drop Course Changes and Late Registration for Online Session 5 classes
17	Sun	End of Add/Drop Course Changes and Late Registration for AAGE 7 classes
25	Mon	Memorial Day; all University offices closed; no MOD classes

JUNE

7	Sun	Last day to withdraw from AAGE 7 classes
8	Mon	SEM SUMMER and SUMMER Session I BEGIN
14	Sun	MOD 7 and AAGE 7 END ; End of Add/Drop Course Changes and Late Registration for SEM 10 week classes and Summer Session I classes
15	Mon	MOD 8 and AAGE 8 and BEGIN
21	Sun	Last day to withdraw from Online Session 5 classes ; End of Add/Drop Course Changes and Late Registration for AAGE 8 classes

JULY

3-4	Fri-Sat	Independence Day Observance; no SEM/MOD classes; all University offices closed
5	Sun	Online Session 5 ENDS ; Last day to withdraw from SUMMER Session I classes
6	Mon	Online Session 6 BEGINS
9	Thur	End of Add/Drop Course Changes and Late Registration for Online Session 6 classes
12	Sun	SUMMER Session I ENDS ; Last day to withdraw from AAGE 8 classes
13	Mon	SUMMER Session II BEGINS
19	Sun	MOD 8 and AAGE 8 END ; End of Add/Drop Course Changes and Late Registration for SUMMER Session II classes
20	Mon	MOD 9 and AAGE 9 BEGIN
26	Sun	Last day to withdraw from SEM 10 week classes ; End of Add/Drop Course Changes and Late Registration for AAGE 9 classes

AUGUST

9	Sun	Last day to withdraw from SUMMER Session II classes
16	Sun	SEM SUMMER and SUMMER Session II ENDS ; Last day to withdraw from Online Session 6 classes ; Last day to withdraw from AAGE 9 classes
23	Sun	MOD 9 and AAGE 9 END
30	Sun	Online Session 6 ENDS
31	Mon	August Degree Conferral

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STUDENT SERVICES

Library

The Benedictine University Library directly supports the academic mission of the University through selecting, curating, creating, preserving and providing anytime access to digital and physical resources and through providing the finest in-person and virtual support and services to all of our regional and global library constituents. The library also seeks to support the General Education Curriculum which is at the heart of our liberal arts-based system of curricular and co-curricular electives in areas representing multiple disciplinary approaches and modes of problem-solving. Benedictine's courses are designed representing critical skill and knowledge areas for active and responsible citizenship and stewardship of the Earth, lifelong learning, global awareness, integrative knowledge and effective interpersonal communication.

In accordance with the University's mission, the library endeavors to enhance the University's Roman Catholic tradition and Benedictine heritage, the multicultural character of the campus community, and the commitment to assist students in becoming responsible citizens and leaders in the world community. The library will also share its resources appropriately with outside communities, including the broader academic community and local users.

The Information Literacy Curriculum offered by the library covers all coursework and is designed to help students at all levels to find, evaluate, use, analyze and share information and construct knowledge in a clear, compelling and ethical manner. Librarians are available to work with faculty, classes and individual students to achieve these goals.

Collections:

- More than 335,000 books (print and electronic)
- Access to more than 125,000 periodicals (print and electronic)
- More than 86,000 streaming videos
- More than 110 different databases in a variety of subject areas, most accessible from off campus
- Instructional Materials Collection – juvenile books, teacher's kits, curriculum resources
- More than 2,000 pieces in the music score collection
- Copies of theses and dissertations completed at Benedictine University and George Williams College
- Illinois Documents Depository
- Institutional Repository/Constellation
- Archives and Special Collections

Services:

- Information Literacy Instruction
- Reference
- Circulation
- Reserves
- Interlibrary Loan
- Collection Development, Acquisitions

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Consortium affiliations:

- Consortium of Academic and Research Libraries in Illinois (CARLI)
- LIBRAS
- Catholic Research Resources Alliance (CRRA)
- Center for Research Libraries (CRL)
- American Benedictine Academy
- Theological Library Cooperative of Arizona (TLCA)

Academic and Career Enrichment Center

The mission of the Academic and Career Enrichment (ACE) center is to support students' academic, personal and professional development through resources and services that serve to maximize their academic success, enhance their student experience and better prepare them for further study or the workforce. The ACE center engages students by providing support for academic work as well as co-curricular activities and professional goals. The center's services include:

- Academic support and tutoring functions.
- Learning specialists.
- Peer tutors.
- Study skills.
- Accommodations services for students with disabilities.
- Support for undecided majors and students on probation.
- Leadership development.
- Comprehensive career development services, including assessment, internship services, career education programs, job search functions and career resources.

Academic Support Services: The ACE center provides a variety of academic support services for all student groups. These services are free of charge to all students.

Learning Specialists: Students may arrange for individual appointments with one of our learning specialists in the areas of math, science and writing. Appointments can be made by contacting the learning specialists directly or by contacting the main office number at (630) 829-6041. Students who need remote assistance should contact learning specialists directly.

Peer Tutors: In cooperation with the academic departments, the ACE center offers peer tutoring sessions for a variety of classes that are held each semester. These sessions help students clarify difficult concepts and prepare for quizzes and exams. They are led by instructional assistants who have successfully completed the course and have been identified by faculty members as individuals who possess both content knowledge and the ability to communicate that knowledge to fellow students. Subject areas that are typically supported by these sessions include accounting, biology, chemistry, economics, physics, psychology and the humanities. The availability and times of tutoring sessions vary by semester.

Study Skills: The ACE center assists students with the development of general study skills to improve performance and reduce stress associated with college study. This can be arranged through an

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individual appointment, or students can take advantage of a series of study skills workshops conducted each semester. Contact the center at (630) 829-6041 to arrange an individual appointment for assistance.

Accommodation Services: Benedictine University is dedicated to creating an accessible environment through reasonable and appropriate accommodations for students with disabilities. Students with a disability are encouraged to seek assistance with the ACE center. Special accommodation services are available for students with disabilities on a case-by-case basis and provided that documentation from a properly licensed clinician supports the accommodation. Students eligible under the Americans with Disabilities Act (1990) and/or Section 504 of the Rehabilitation Act (1973), whose disability interferes with a major life activity, are urged to self-identify so that the process for receiving assistance can begin as soon as possible.

Commonly granted accommodations include the following:

- Extended time for testing in a quiet test environment
- Designated note taker in class
- Modified or enlarged classroom/reading materials
- Books in alternate formats
- Preferential classroom seating

Students with questions or in need of special academic or housing accommodations should stop by the ACE center or call (630) 829-6512 to arrange proper documentation for equal access to educational and campus services.

The ACE center also offers comprehensive services to assist students and alumni in developing, implementing and evaluating career and life plans. The Academic and Career Enrichment Center is here for you not only during your journey at Benedictine. We stay connected with you as an ongoing partnership in your journey as an alumnus of Benedictine University.

We know that sometimes life can throw a curve ball and transitions in careers happen either by choice or sometimes not by choice. The ACE center offers a wide range of services to accommodate different needs for transitional career support.

The ACE center offers services from one-on-one career counseling to a wide range of virtual career services ranging from career assessments to resume assistance. We will help you with cover letters, mock interviews, internships, job fairs, workshops, career assessments and more.

Email career@ben.edu or call (630) 829-6041 to schedule an appointment with one of our career counselors today.

Campus Ministry

Campus Ministry celebrates the Catholic acknowledgement of the rich diversity of faiths at Benedictine University. Through our programs and services, we aim to assist Benedictine students, staff and administration in their spiritual and personal growth.

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Benedictine University

You are invited to get involved with the wide variety of opportunities we have to offer. Whether you are in need of spiritual direction, would like to use your musical talents in worship, or are seeking to learn more about your faith or others, our doors are always open.

Student Health Services

The staff of Student Health Services is dedicated to the promotion and maintenance of health on campus as well as the promotion of a life lived in balance. We recognize the important role that health and well-being play in students' academic success and achievement of their goals. It is our mission to support students in maintaining wellness and educate them to take responsibility for their own health and wellness as they transition into adulthood.

Student Health Services is open 9:00 a.m.-4:30 p.m., Monday-Friday during the academic year to all registered students of Benedictine University. Students may drop in any time we are open. All office visits are confidential. In the event of serious illness or injury, parents or guardians will be notified at the discretion of the staff.

Services Available:

- Evaluation and treatment of minor acute illness and injury.
- Family practice physician on campus two hours per week.
- Variety of over-the-counter and limited antibiotics as prescribed by physician.
- Health education resources.
- Flu vaccination, Tetanus-Diphtheria-Acellular Pertussis booster vaccination, and Tuberculosis screening for a fee, Monday through Thursday.

Students are required to complete and submit both pages of the Student Health Form (ben.edu/healthform) and a copy of their childhood immunization record in accordance with the State of Illinois College Immunization Code (77 Ill. Adm.Code 694). Send all information to Benedictine University Student Health Services, Krasa Center, Room 116, or fax to (630) 829-6035. All information must be received prior to the first day of class.

Student Activities

[Student Activities](#) is charged with helping students with their growth and development outside the classroom, as well as assisting in the area of program content and purpose.

Student Activities oversees many annual campus programs and events such as Homecoming, SpringFest, and Fall and Spring Quad Days. Student Activities also plans special lectures, seminars and cultural events throughout the calendar year.

Residence Life

Benedictine University maintains and operates three residence halls and the Founders' Woods apartments. They are an integral part of academic life in the belief that educational experiences are not solely contained to the classroom, laboratory or library. The residence halls and apartments provide an opportunity for students to combine academic life with social development. Students must establish and test their own values, develop social skills, determine priorities and learn to organize

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their time. Daily living with others encourages the development of a cooperative attitude, respect for individual rights and a sense of group responsibility. As a result, students in the residence halls and apartments develop diverse communities that meet the needs of its members both individually and collectively, and create attitudes and skills necessary to progress toward the realization of those conditions which make up a healthy community.

Athletics

Our Athletics Department prepares every student-athlete to be a champion of leadership. We establish an atmosphere where academic distinction, personal integrity, respect for all others, community service and athletic excellence are expected. We develop well-rounded and informed citizens who carry the Benedictine values now and throughout their lives.

The department maintains the standard of graduating informed and enlightened citizens into a global society. We establish a stance of competitive leadership in the Northern Athletics Collegiate Conference while consistently creating opportunities for regional and national competition. We become leaders of hospitality, stewardship and communication to all of our constituents. We create a profound sense of pride among all members, friends and fans of the Benedictine University community.

Men's Sports Teams:

Baseball
Basketball
Cross Country
Football
Golf
Lacrosse
Soccer
Indoor Track and Field
Outdoor Track and Field
Volleyball

Women's Sports Teams:

Basketball
Cheerleading*
Cross Country
Dance*
Golf
Lacrosse
Soccer
Softball
Tennis*
Indoor Track and Field
Outdoor Track and Field
Volleyball

*Not NCAA DIII

Dining Services

The Krasa Dining Room, the Coal Ben, #Coffee and the Kindlon Café are managed by A'Viands team at Benedictine University.

Barnes & Noble at Benedictine University

You can purchase new or used textbooks and other required supplies from the University's bookstore, Barnes & Noble at Benedictine University. Show your school spirit with Benedictine University apparel. The bookstore sells a variety of apparel items and offers a number of sales throughout the year. Visit

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ben.edu/bookstore or stop by the bookstore to see the latest styles and selections. You can contact the bookstore at (630) 829-6010 or visit us on the first floor of the Krasa Student Center.

Campus Recreation

As a Benedictine student, you are invited to take part in campus recreation opportunities. Campus Recreation encompasses a variety of activities including intramurals, group fitness classes, informal sports and adventure activities. All of these activities will give you the opportunity to connect with the University community, meet new people on campus and have fun. For questions, contact Campus Recreation at (630) 829-6144.

Benedictine Fitness Center

The Benedictine Fitness Center, opened in October 2011, provides state-of-the-art facilities for students, athletes, faculty and staff. The center has both early morning and evening hours of operation. For more information, check out the Athletics website at benueagles.com.

Advising Center

The New Student Advising Center provides quality advising services and resources to new freshman and transfer students.

Transfer Guides

Transfer guides are designed to assist students in selecting courses that are transferable to Benedictine University. Students can use the [transfer guides](#) while attending a community college to ensure the courses they are taking will have a Benedictine course equivalent or be accepted as an elective.

University Police

University Police provide a number of services such as jump-starting stalled vehicles, safety escorts (between 6:00 p.m.-6:00 a.m.) and vehicle lockout assistance. For more information, visit the Benedictine University Police office in the lower level of the parking garage.

Alumni Association

Graduating students are members of an ever-expanding organization – the Benedictine University Alumni Association. As an alumnus, the University still plays a very important role in your life. There are many ways for alumni to stay involved with Benedictine and to keep in touch with classmates. In addition, Benedictine University alumni are entitled to many special benefits. The Alumni Association operates through the services of a volunteer governing board of directors consisting of 24 members. The function of this board is to support all alumni programs and activities through the Office of Alumni Development. These programs include: class reunions; Homecoming; admissions recruitment; regional alumni activities; alumni chapters; and many other events both on and off campus. Contact the Alumni Association at: ben.edu/alumni-friends/alumni/alumni-association.cfm or (630) 829-6077.

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STUDENT COMPLAINT PROCESS

Your concerns are important to us. If you encounter a problem involving the application of a Benedictine University policy or procedure or have any other dispute with the University that you cannot resolve informally and which adversely impacts you, you may file a complaint in writing.

For purposes of this process, a "Complaint" is an expression of dissatisfaction concerning a University employee, department, service or process, or a University administrative action that requires clarification, investigation and/or resolution. Grade appeals and appeals of accommodation denials are not student complaints and are not subject to this policy.

A complaint must occur in writing and within 15 business days from the action or occurrence by using the Student Complaint Process below. The Student Complaint Process assists in defining the relevant information and facts needed to address the resolution process.

A complaint must be made in writing, preferably using the online Complaint Form at <http://www.ben.edu/student-life/student-complaint-form.cfm>

Student Complaint Process Overview:

- The Office of Student Life confirms receipt of the student complaint through an email response.
- The Office of Student Life reviews the complaint to determine appropriate actions.
- Within 10 business days, the Office of Student Life notifies the student in writing of the complaint's status describing steps to be taken.
- The Office of Student Life notifies the student in writing of the complaint's resolution within 20 business days. If more time is needed for the investigation, the Office of Student Life may extend that timeline and notify the student in writing of that extension.
- The Office of Student Life documents the complaint's resolution.
- If the complaint cannot be resolved after completing the Student Complaint Process, the student may file a complaint with their appropriate state agency as noted below.

Note for Illinois students:

If the complaint cannot be resolved after exhausting the Student Complaint Process, the student may file a complaint with the Illinois Board of Higher Education using their Institutional Complaint System located at <http://complaints.ibhe.org/>

Note for students residing in Arizona:

If the complaint cannot be resolved after exhausting the institution's grievance procedure, the student may file a complaint with the Arizona State Board for Private Postsecondary education. The student must contact the state board for further details. Contact:

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Benedictine University

Arizona State Board for Private Postsecondary Education
1740 West Adams Street, Suite 3008
Phoenix, AZ 85007
Phone: (602) 542-5709
Website: <http://azppse.state.az.us/>

Note for online students:

If the complaint cannot be resolved after exhausting the institution's Student Complaint Process, the student may file a complaint by contacting the Illinois Board of Higher Education using their Institutional Complaint System located at <http://complaints.ibhe.org/>

Note for online students residing in California:

If your complaint cannot be resolved after exhausting the institution's Student Complaint Process, the student must file a complaint by contacting:

California Bureau for Private Postsecondary Education
2535 Capitol Oaks Drive, Suite 400
Sacramento, CA 95833
Phone: (916) 263-1897
Website: <http://www.bppe.ca.go>

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ACADEMIC PROGRAMS

Accounting

College: Daniel L. Goodwin College of Business

Department: Undergraduate Business

Student Type: Traditional Undergraduate and Adult Accelerated Undergraduate

Degree: Bachelor of Business Administration

Faculty:

Deborah Cernauskas, Ph.D., M.S., M.B.A., Department Chair

Larissa Adamiec, Ph.D.

Rick Cali, M.B.A.

Jodi Houlihan, M.D.M.

Vicki Jobst, D.B.A., M.B.A., CPA

Todd Kelsey, Ph.D.

Robert Rebman, M.B.A., CPA

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;
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;
4. Financial and managerial accounting principles and applications, such that the formal requirements to sit for the CPA exam and/or the CMA exam can be fulfilled; and
5. Technology used in the accounting profession.

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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.

Requirements - Major:

Accounting majors must complete the University's distribution requirements, which are partially satisfied by an approved course in ethics (e.g. PHIL 2245, 2247, MGT 2252) and MATH 1105(3) or 1110(3).

Majors must complete each of the business core courses with a "C" or better: ACCT 1111(3), 1112(3); BALT 2240(3); ECON 2101(3), 2102(3); FINA 2300(3), MKTG 2300(3), MGT 1150(3), MGT 2235 (3), BALT 3301(3), MGT 3300(3) and MGT 4380(3).

Accounting majors must also complete the following specialization courses, with a "C" or better: ACCT 2211(3), 2212(3), 3311(3), ACCT 4313 (3), 4315(3) along with 3 semester credit hours of major specialization courses from the following list: ACCT 3309(2), 3312(3), and 3316(2). An additional six semester credit hours are required in BALT courses (in addition to BALT2240 and BALT3301) unless the student double majors in Business Analytics.

Accounting majors interested in meeting the requirements for taking the CPA examination should take: ACCT 2211, 2212, 3311, 3312, 4313, 4315 and 3316 along with ACCT 1120(1) (VITA), MGT 2252(3) (Business Ethics) and MGT 2237(3) (Business Communications).

Accounting majors interested in meeting the requirements for the CMA exam should take: ACCT 2211, 2212, 3309, 3311, 3312, 3316, FINA 3320, 3370, and MGT 4333.

CLEP, life experience, work experience, internships, advanced placement and other external credit may substitute for major courses if approved by the department.

Accounting majors who elect to earn a second major in the Department of Undergraduate Business 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 earned 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 Bachelor of Arts in Management students) seeking a minor in Accounting must complete with a grade of "C" or better 18 semester credit hours which must include ACCT 2211, ACCT 2212, ACCT 3311, ACCT 3312, ACCT 4313 and ACCT 4315 and their prerequisites. 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 prerequisite: ACCT 2211, ACCT 2212, ACCT 3311, ACCT 3312,

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ACCT 4313 and ACCT 4315. A student who majors in Accounting may not earn a minor in the undergraduate business department.

Requirements - Concentration:

Concentrations in Business Analytics, Digital Marketing, and Operations Management, are available in combination with this major. Requirements listed below must be completed with a "C" or better.

Business Analytics: BALT 3310, BALT 4320, BALT 3330 and BALT 3370.

Digital Marketing: MKTG 3345, MKTG 3347, MKTG 3348 and MKTG 3349.

Operations Management: MGT 4333, BALT 4350, MGT 2235, and INTB 3340 or BALT 3325.

Arabic Language (Minor Only)

College: College of Liberal Arts

Department: Languages and Literature

Student Type: Traditional Undergraduate

Faculty:

Olga Lambert, Ph.D., Department Chair

Latifa Bounou, Ph.D.

Objectives:

The minor in Arabic is designed to help students attain an intermediate level of linguistic proficiency in the language and to acquire knowledge from various disciplines about the different Arabic-speaking countries. Central to the liberal-arts mission of Benedictine University, the program aims to foster autonomous and lifelong learners able to act as globally-conscious citizens after graduation. Students will be able to combine the minor in Arabic program with a major in Global Studies, History, Religious Studies, etc.

Student Learning Outcomes:

Minors will demonstrate an intermediate-low level or higher (ACTFL standards) in all four program-central skills: reading, writing, speaking and listening. They will also demonstrate appropriate historical and cultural knowledge about the areas of the world where Arabic is spoken, and ability to analyze and apply what they have learned in global, national and local contexts. The minor also offers students opportunities for study at various partner schools and institutions, providing students with direct experience in the countries they studied about in class. Students may also choose to obtain “hands-on” education and experience through internships and service-learning opportunities at institutions in the United States or abroad in order to enhance their professional résumés.

Requirements - Minor:

The requirements for the minor in Arabic Language include successful completion of the following classes with a grade of “C” or better (total of 21 semester credit hours): ARBC 1102(3), 1109(1), 2201(3), 2208(1), 2202(3), 2209(1), 2211(3), and 3212(3), and at least one of the following: ARBC 4301(3), ARBC 4302(3), or ARBC 4303(3). In some cases, the Department of Languages and Literature may approve as a substitute for ARBC 4301, ARBC 4302, or ARBC 4303 an upper-level class taken at Benedictine University (e.g., ARBC 3391, ARBC 3395, or ARBC 3397, or any other pre-approved equivalent) or at another institution or college in the United States or an Arabic-speaking country. Minors must have any substitution and/or transfer coursework approved in writing prior to enrollment. Minors who receive credit for lower-level language courses according to Benedictine University’s outside credit policy (successful completion of the course into which they place, with a grade of “C” or better, plus approval through petition for external credit) will be awarded 3 semester credit hours per class for a maximum award of 9 semester credit hours, but must still earn 21 semester credit hours for the minor.

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University

For further information or for placement test in Arabic, please contact the Department of Languages and Literature at (630) 829-6274.

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Biochemistry/Molecular Biology

College: College of Science

Department: Interdisciplinary

Student Type: Traditional Undergraduate

Degree: Bachelor of Science

Faculty:

Niina J. Ronkainen, Ph.D., Director, Biochemistry/Molecular Biology program
Cheryl M. Mascarenhas, Ph.D., Chair, Chemistry, Engineering and Physics
Brooks Maki, Ph.D., Chemistry, Engineering and Physics
David Rubush, Ph.D. Chemistry, Engineering and Physics
Preston R. Aldrich, Ph.D., Biological Sciences
Jayashree Sarathy, Ph.D., Biological Sciences
LeeAnn Smith, Ph.D., Chair, Biological Sciences

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 Biochemistry/Molecular Biology major must complete with a grade of "C" or better the following courses: BIOL 1197(3), 1198(3), 1199(1), 2250(3), 2260(1), 4340(3), 4342(2), 5371(3), 5372(2); CHEM 1113(3), 1115(1), 1123(3), 1125(1), 3231(3), 3237(1), 2242(3), 2244(1), 2247(3), 2249(1), 4361(3), 4365(3); PHYS 1113(3), 1114(1), 1118(3), 1119(1) (or 2205(1), 2206(1), 2207(1), 2211(3), 2212(3), 2213(3)); MATH 2210(5), 2211(4).

Biochemistry/Molecular Biology majors must also complete two science electives. One elective (3 semester credit hours) must be a chemistry, computer science, mathematics, biology or physics course numbered 3000 or above (excluding all research, teaching and internship classes). The second elective (3 semester credit hours) may be either a physics, chemistry, computer science, mathematics or biology course at the 4000 level (excluding all teaching and internship classes) or it may be at least 3 semester credit hours of research credit (in BIOL, CHEM, CMSC, MATH and/or PHYS). A student who chooses the research option must present a research seminar and submit a research report to both their mentor and the director of the Biochemistry/Molecular Chemistry program. Students who plan to

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attend graduate school are strongly encouraged to carry out a research project.

Biochemistry/Molecular Biology majors who carry out research in the summer months as a paid internship (either on or off campus) may request to have this experience replace 2 semester credit hours of research. Once the request has been granted, the student must enroll in 1 semester credit hour of CHEM 4398 as described above.

A student may have only one major in the Biochemistry/Molecular Biology, Biology, Chemistry, and Health Science programs.

Progression in the Biochemistry/Molecular Biology Program:

All prospective Biochemistry/Molecular Biology majors must complete BIOL 1197, BIOL 1198, BIOL 1199, CHEM 1113, 1115, 1123, 1125, and MATH 2210 with a GPA of 3.200 or above and a grade of "C" or better in each of these courses; the entire introductory sequence of BIOL 1197, BIOL 1198, BIOL 1199, CHEM 1113, 1115, 1123, 1125, and MATH 2210 must be completed prior to taking BIOL 2260. Transfer students will use a combination of equivalent classes (as determined by the University transfer articulation process and by the Biochemistry/Molecular Biology program) accepted from their home institutions plus any other Benedictine University classes needed. The original grades of any repeated classes will be included in the GPA calculation. Any other substitutions to the above list of courses will be made on a case-by-case basis and must be approved by the Biochemistry/Molecular Biology program. Students who meet the above requirements in order to progress in the Biochemistry/Molecular Biology major.

Other Information:

Why study Biochemistry/Molecular Biology at Benedictine?

When you choose to major in Biochemistry/Molecular Biology 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.

What careers are available with a degree in Biochemistry/Molecular Biology?

Biochemistry and Molecular Biology embody the molecular basis to the chemistry of life while unifying and strongly contributing to many other scientific disciplines. Unlike the traditional Biology or

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Chemistry major, the Biochemistry/Molecular Biology program is focused on interdisciplinary education in the natural sciences. BMB students follow a rewarding integrated curriculum in Biology and Chemistry that focuses on understanding the molecular basis of life. Biochemistry and Molecular Biology are distinguished by their focus on information flow, structure, function and mechanism within overarching biological contexts. This intensive and research-oriented training prepares students for exciting 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. Many of our past graduates have gained admission into competitive professional programs in health professions such as medicine, dentistry, or pharmacy. Biochemistry is also becoming increasingly valued in the premedical and health professional undergraduate science curriculum as the Medical College Admission Test (MCAT) now has a more profound focus on biochemistry. During the MCAT revision process, faculty at medical schools explicitly identified biochemistry as the most important discipline for later mastery of medical school curricula. The Biochemistry/Molecular Biology major also prepares students for rewarding entry-level research and development careers in biotechnology and industry. National and state-level career prospects are currently very bright for someone trained in the molecular life sciences. Given the ongoing and consistent growth in the biotechnology sector combined with the University's location in the heart of the research and development corridor of metropolitan Chicago, a local market exists for highly trained undergraduates with a Bachelor of Science in Biochemistry/Molecular Biology.

How does the program work?

Our Biochemistry/Molecular Biology program provides high quality Catholic liberal arts education with interdisciplinary STEM training in order to shape molecular life scientists who are prepared for ethical decision making, being life-long learners and disciplined scholars, practicing responsible stewardship, being effectual communicators, being engaged citizens, being thought leaders in molecular life sciences, and co-operating effectively in small teams with people from various religions and cultures. Biochemistry/Molecular Biology students are closely mentored by supportive and dedicated faculty members of the Departments of Biological and Physical Sciences in research and teaching laboratories as well as classrooms and professional settings in order to ultimately help our program graduates build a rewarding life full of meaning and purpose.

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 informed ethical citizens of your community. Within the Biochemistry/Molecular Biology major, you will obtain proficiency in calculus, physics, general biology and general and organic chemistry. In the upper-level courses you will gain a fundamental understanding of such concepts as biological energy transduction, enzyme catalysis, macromolecular structure and function, qualitative and quantitative analysis of biological fluids, the chemical logic of metabolic pathways, the storage and transmission of genetic information, and the maintenance and regulation of the genome. In the accompanying labs, you will clone and manipulate nucleic acids as well as isolate and characterize proteins and enzymes. Finally, via the program's capstone experience, you will design and carry out a laboratory research project.

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Biology

College: College of Science

Department: Biological Sciences

Student Type: Traditional Undergraduate

Degree: Bachelor of Arts and Bachelor of Science

Faculty:

Lee Ann Smith, Ph.D., Department Chair

Preston Aldrich, Ph.D.

William Carvell, Ph.D.

James Fackenthal, Ph.D.

Ian Hall, Ph.D.

Leigh Anne Harden, Ph.D.

Cheryl A. Heinz, Ph.D.

Robert C. McCarthy, Ph.D.

Tiara Perez-Morales, Ph.D.

Philip Novack-Gottshall, Ph.D.

Mark Poch, Ph.D.

Jayashree Sarathy, Ph.D.

Monica Lee Tischler, Ph.D.

Allison K. Wilson, 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 Kamin, Ph.D., Professor Emeritus

Alfred R. Martin, Ph.D., Professor Emeritus

John Mickus, Ph.D., Professor Emeritus

Fr. Theodore D. Suchy, O.S.B., M.S., Professor Emeritus†

Program Director, Pre-Professional Health Programs: Alice N. Sima, RN, M.S.N., M.B.A.

Lecturers:

Pat Blaney, D.D.S.

Qiaoyi Chen, Ph.D.

Thomas Cornwell, M.D.

Dominic Costabile, D.O.

Jenna Eisenberg, D.C.

Peter Gallos, D.D.S.

Kathryn Kennedy, D.D.S.

Tom Knutson, M.S.

Sharon Luckhardt, O.D.

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Benedictine University

David Maze, O.D.
Richard C. Meagher, Ph.D.
Manjari Mishra, Ph.D.
Greg Munie, Ph.D.
Daniel Olson, Ed.D.
Scott Padalik, M.D.
David Piazza, M.D.
Leonard Piazza, M.D.
Adam Reimel, M.S.
Stephen Rowley, M.D.
Nancy Schubert, D.O.
William Schubert, Ph.D.
Regina Schurman, Ed.D., RCEP, CPA
Anne Marie Smith, M.S.
Sarah Ware, 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.

The Biological Sciences program, which includes the B.A. and B.S. in Biology majors, has the following program goals:

1. Teach and assess student learning of the foundational biological concepts of evolution, information flow, structure/function, transformations of energy and matter, and systems at the molecular/cellular, physiological and ecological levels.
2. Teach and assess student learning of core competencies in biological sciences, including the process of science, quantitative reasoning, modeling and simulation, the interdisciplinary nature of science, communication and collaboration, and understanding the relationship between science and society.
3. Foster scientific literacy for students outside of the Biology major by offering compelling life science courses that engage students in critical-thinking, consideration of stewardship issues and scientific reasoning.

The *B.S. in Biology* is designed to prepare students for graduate study in the biological sciences, professional study in medicine, dentistry, veterinary medicine, other biomedical specialties and related health care careers, and 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 *B.A. in Biology* prepares students to pursue careers in law, journalism, the environmental sector, graduate study in allied health fields, nursing and public health, and for jobs in pharmaceutical sales and the general workforce.

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The Department of Biological Sciences also offers a variety of first-year biology courses for all University students, intended to foster scientific literacy among students.

Progression in the Biological Sciences Programs (B.S. in Biology or Health Sciences, B.A. in Biology):

A student in either Biology major (B.S. or B.A.) must complete BIOL 1197, BIOL 1198, CHEM 1113, CHEM 1123 with a grade of "C" or better in each of these courses and receiving no more than a total of three "W," "D," or "F" grades in these courses. The entire introductory sequence of BIOL 1197, BIOL 1198, CHEM 1113, and CHEM 1123 must be completed prior to taking any 2000-level courses in BIOL. A transfer student must meet these requirements through equivalent transfer courses. Transfer students must complete their first two semesters with no more than two "W," "D," or "F" grades in College of Science lecture courses in the degree program.

If it is determined at any time that a student cannot continue in the Biology program or cannot graduate with a Biology degree, the student will be required to change their major and seek academic advising outside of that program.

Requirements - Minor:

Students seeking a minor in Biology must complete, with a grade of "C" or better in CHEM 1113(3), CHEM 1114(1), CHEM 1123(3), CHEM 1124(1); BIOL 1197(3), 1198(3), 1199(1), and at least 9 semester credit hours of biology at the 2000 level or above, including at least six semester credit hours at the 3000 level or above.

All chemistry courses (8 semester credit hours) and all biology courses (16 semester credit hours) 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.

We encourage students to further their learning by assisting in labs. However, only 2 semester credit hours in BIOL 2292 will count toward the B.A. or B.S. in Biology major.

BIOL 4389 and other College of Science research courses do not count as elective credits toward the B.A. in Biology major.

Transfer students who earn transfer credit for BIOL 1197, 1198 and 1199 are required to take BIOL 2299(1). BIOL 2299 will count as a 2000-level credit in the major.

Requirements - Major:

The B.S. in Biology major must complete 36 semester credit hours of biology courses with a grade of "C" or higher. A minimum of 18 semester hours in BIOL must be at the 3000 level or above including 6 hours at the 4000 level. Coursework must include BIOL 1197(3) or 2297(4), 1198(3), 1199(1), 2229(3), 2250(3), 2251(1), 4340(3), 4341(1), 4363(3), 4364(1); CHEM 1113(3), 1114(1), 1123(3), 1124(1), 2242(3), 2243(1), 2247(3), 2248(1), 3261(3), PHYS 1113(3), 1114(1), 1118(3), 1119(1); MATH 1111(3), 2210 (5) or

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proficiency in MATH 2210 or higher. Majors must also complete an organismal course to be chosen from BIOL 2204(3), 2249(3), 2271(3), 2272(3), 2275(3), 2284(3), 3208(4) or other approved courses and a systems course to be chosen from BIOL 2228(4), 3203(4), 3256(4), 3258(4), 4322(4), 4360(3), 5319(4), 5325(3), or other courses approved by program faculty, plus 6-8 additional semester credit hours of biology electives at the 2000 level or above. The writing intensive courses in the major are BIOL 4341 and BIOL 4364.

A student majoring in Biology (B.A. or B.S.) may only earn one major in the Biochemistry/Molecular Biology, Biology, Environmental Science, Health Science, Physics (Biological Physics Concentration) and Medical Humanities programs.

B.A. in Biology provides core biology courses with more flexibility in choosing biology electives and cognates to fulfill a variety of health care related fields including the Diagnostic Medical Sonography program or Clinical Laboratory Sciences program. The B.A. in Biology major consists of 61 semester credit hours of coursework that must be completed with a grade of "C" or better.

The core requirements for a B.A. in Biology are CHEM 1113(3), 1114(1), 1123(3), 1124(1); MATH 1111(3); BIOL 1197(3), 1198(3), 1199(1), 2229(3), 2250(3); and an ethics course (3) to be selected from PHIL 2245 or 2248. The core coursework is 27 semester credit hours. Coursework in the majors must be completed with a "C" or better: 16 credits of Natural Sciences at the 1000-level or higher and 18 credits of 3000-level or higher BIOL where 6 credits must be at the 4000-level. The writing intensive course is BIOL 4393 or 4394.

Students seeking to complete one of the Allied Health Programs with an affiliate should follow the requirements of the program and major with the BA in Biology using one of the following tracks:

Requirements - Clinical Lab Science Track:

Students in the Clinical Laboratory Science program must complete at least 90 semester credit hours with a minimum GPA of 2.800 at Benedictine University. Students **MUST APPLY** for admission to Edward Hines Jr. V.A. Hospital., our clinical educational program affiliate hospital, during their junior year by December 1. 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-credit-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 1103(2), 1104(1), 1109(2), 1113(3), 1114(1), 1123(3), 1124(1), 3231(3), 3232(3), 3237(1), 3238(1); BIOL 1197(3), 1198(3), 1199(1), 3208(4), 2229(3), 2250(3), 3258(4), 4340(3) and 5354(3); MATH 1111(3) or proficiency in MATH 1111(3) or higher; PHYS 1113(3), 1114(1), 1118(3), and 1119(1); MGT 3300(3); CMSC 1180(2) and CMSC 1182(1); and PHIL 2245(3). All of the following CLSC courses must be completed with a grade of "C" or better: CLSC 4390(5), 4391(6), 4392(8), 4393(3), 4394(4), 4395(2), 4396(2), 4397(2).

A student who plans to attend graduate or professional school should take CHEM 2242(3), 2243(1), 2247(3), 2248(1); and 3261(3).

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Requirements - Diagnostic Medical Sonography Track:

Students majoring in Diagnostic Medical Sonography will complete the first three years of coursework at Benedictine University with at least 90 semester credit hours. Students should complete all college graduation requirements during these three years, while maintaining a GPA of 2.800 or above. **In the junior year, students must apply to Northwestern Memorial Hospital for the clinical education curriculum.** The admissions process is competitive. During senior year, students will complete an 18-month, 45-semester-credit-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.

Students majoring in diagnostic medical sonography must complete the following courses: MATH 1111(3); CMSC 1180(2), 1182(1); PHIL 2245(3); HLSC 2291(2); CHEM 1113(3), 1114(1), 1123(3), 1124(1); BIOL 1197(3), 1198(3), 1199(1), 3203(4), 2250(3), 2251(1), 3258(4), 2229(3), 5359(3); PHYS 1113(3), 1114(1), 1118(3), 1119(1). In addition, the following courses must be completed with "C" or better: DMSC 4301(3), 4302(1), 4303(2), 4304(4), 4305(3), 4306(2), 4307(3), 4308(4), 4309(2), 4310(3), 4311(3), 4312(2), 4313(1), 4314(3), 4315(1), 4316(2), 4317(4), 4318(2).

Requirements - Nuclear Medicine Technology Track:

Students in the Nuclear Medicine Technology program must complete at least 90 semester credit hours with a minimum GPA of 2.800 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 13-month, 36-semester-credit-hour clinical education curriculum in an American Medical Association accredited hospital program affiliated with the University. Upon completion of this 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 1113(3), 1114(1), 1123(3), 1124(1); BIOL 1197(3), 1198(3), 1199(1), 3203(4), 2229(3), 2250(3), 2251(1), 3258(4); MATH 1111(3); CMSC 1180(2), 1182(1); PHIL 2245(3); PHYS 1113(3), 1114(1), 1118(3), 1119(1); and NMTC 4331(2), 4332(3), 4333(3), 4334(9), 4335(3), 4336(3), 4337(2), 4339(3), 4340(2), 4342(1), 4344(4), 4345(3), 4348(2), 4349(1).

Students who may wish to attend graduate or professional school should take *CHEM 2242(3), 2243(1), 2247(3), 2248(1), 3261(3)* instead of the Introduction to Organic and Biochemistry courses.

Requirements - Radiation Therapy Track:

Students in the Radiation Therapy program must complete at least 90 semester credit hours with a minimum GPA of 2.800 at Benedictine University. The admissions process is competitive. Your senior year is a 12-month, 33-semester-credit-hour clinical education curriculum at Northwestern Memorial Hospital, an accredited hospital program affiliated with the University. Upon completion of this program, the student is eligible to sit for the National Registry Examination in Radiation Therapy administered by the American Registry of Radiologic Technologists. Transfer students must complete 30 semester credit hours at Benedictine University to be considered an affiliate in the application process.

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Radiation Therapy students must complete the following courses: MATH 1111(3); CMSC 1180(2), 1182(1); PHIL 2245(3); CHEM 1113(3), 1114(1), 1123(3), 1124(1); BIOL 1197(3), 1198(3), 1199(1), 3203(4), 2229(3), 2250(3), 2251(1), 3258(4); PHYS 1113(3), 1114(1), 1118(3), 1119(1). In addition, the following courses must be completed with a "C" or better: RADT 4330(2), 4331(3), 4332(2), 4333(2), 4334(3), 4335(2), 4336(2), 4337(2), 4338(3), 4339(2), 4340(2), 4341(2), 4342(2), 4343(2), 4345(2).

Requirements - Teaching License:

Students who desire to be licensed to teach biology at the secondary level (grades 9-12) are to declare themselves as Biology majors and Education minors and register with the Benedictine University Education Program as teaching licensure candidates. Advising is then a joint responsibility of the Department of Biological Sciences and the School of Education.

Students must complete the requirement for a major in Biology as well as the requirements of the Teacher Licensure Program in Education which includes the Education minor (see Education [Elementary Education, Special Education and Minors in Education and Special Education] section).

Majors must complete 37 semester credit hours in biology, of which 30 semester credit hours are at the 2000 level or above, including 11 semester credit hours at the 3000 level or above, and required cognates with a grade of "C" or better. Coursework must include BIOL 1197(3), 1198(3), 1199(1), 2204(3), 3208(4), 2250(3), 2251(1), 3258(4), 2292(1), 3313(3) or 3301(3), 4340(3), 4341(1), 4363(3), 4364(1); CHEM 1113(3), 1114(1), 1123(3), 1124(1), 2242(3), 2243(1), 2247(3), 2248(1), 3261(3) or 4361(3); PHYS 1107(4), 1113(3), 1114(1), 1118(3), 1119(1); MATH 1111(3), 2210(5) or proficiency in MATH 2210 or higher; and PHIL 2290(3). The writing intensive courses in the major are BIOL 4341 and BIOL 4364.

In total, at least 18 hours of credit applied toward the major must be at the 3000-level or higher.



Business Administration (Associate of Arts)

College: Daniel L. Goodwin College of Business

Department: Undergraduate Business

Degree: Associate of Arts

Student Type: Adult Accelerated Undergraduate

Faculty:

Deborah Cernauskas, Ph.D., M.S., M.B.A., Department Chair

Larissa Adamiec, Ph.D.

Rick Cali, M.B.A.

Jodi Houlihan, M.D.M.

Vicki Jobst, D.B.A., M.B.A., CPA

Todd Kelsey, Ph.D.

Rob Rebman, M.B.A., CPA

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.

The Associate of Arts in Business Administration program is offered in a learning team/blended format through evening and weekend classes, as well as in a fully online format. These options provide time periods and formats designed for the needs of adult learners. Associate of Arts in Business Administration students must complete a minimum of 63 semester credit hours for degree completion. At least 45 of these semester credit hours must be through coursework at Benedictine University. The online courses are restricted to students admitted into the adult online program.

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Requirements - General Education

1. Successful completion of the following basic skills courses with a grade of "C" or better: WRIT 1101(3), WRIT 1102(3), COMM 1110(3), and MATH 1104(3).
2. Successful completion of the following liberal arts requirements: Three arts and humanities core courses, including PHIL 2245(3) and at least one course from a discipline other than philosophy; two natural science core courses, with one in life sciences and one in physical sciences; three social sciences core courses, which must include PSYC 1100(3) and ECON 2101(3), the latter of which must be completed with a grade of "C" or better.
3. Successful completion of HUMN 2220 or 3000 level IDS course to meet the Cultural Heritage requirement.

Requirements - Major

Associate of Arts in Business Administration students must complete the following business core courses with a grade of "C" or better in the following recommended order: MGT 1110(3) which must be taken first, followed by CMSC 1100(3), MGT 1150(3), ECON 2102(3), ACCT 1111(3), ACCT 1112(3), MGT 2210(3), and MGT 2220(3). MATH 1104 must be completed prior to taking the quantitative courses, including MGT 1150, ECON 2101, ECON 2102, ACCT 1111, and ACCT 1112. MGT 2220 should be the last business core course taken.

Transfer Credits

Transfer credits may not be accepted after a student starts the Associate of Arts in Business Administration program. The following courses must be completed at Benedictine University: HUMN 2220(3) or 3000 level IDS course, MGT 1110(3) and MGT 2220(3).

Writing Assessment

The University expects all Adult Accelerated students to possess at the time of admission the appropriate writing skills that are necessary for success in the program. Therefore, all applicants are required to complete an assessment of their writing skills prior to starting their program. Students who score below a college writing level will be required to enroll in a developmental writing course and earn a grade of "C" or better.



Business Analytics

College: Daniel L. Goodwin College of Business

Department: Undergraduate Business

Student Type: Traditional Undergraduate and Adult Accelerated Undergraduate

Degree: Bachelor of Business Administration

Faculty:

Deborah Cernauskas, Ph.D., M.S., M.B.A., Department Chair

Larissa Adamiec, Ph.D.

Rick Cali, M.B.A.

Jodi Houlihan, M.D.M.

Vicki Jobst, D.B.A., M.B.A., CPA

Todd Kelsey, Ph.D.

Rob Rebman, M.B.A., CPA

Business Core:

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.

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.

Major:

The Business Analytics major is designed to provide students with an understanding of the foundations of business through the core business courses. The major specialization and specialization elective courses furnish students with an understanding of business data identification, management, analysis and visualization to improve business decision-making. Quantitative modeling and critical-thinking skills are enhanced through hands-on analytical, graphical and geographical mapping

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software programs used in today's business. Graduates of the program will have the foundational skills necessary to solve business problems and assist in achieving better business performance.

The major courses are designed to:

1. Develop critical-thinking skills enabling students to produce ad hoc business analyses/reports.
2. Develop skills in using and interpreting the output of business analytical software programs used in industry to gain insight in solving business problems.
3. Develop the ability to apply and interpret analytical and statistical modeling methodologies in solving real-world business problems.
4. Develop the ability to communicate complex problems in everyday language.
5. Develop and interpret metrics and Key Performance Indicators (KPIs).

Requirements - Major:

Business Analytics majors must complete the University's distribution requirements, which are partially satisfied by an approved course in ethics (e.g. PHIL 2245, 2247, MGT 2252) and MATH 1105(3) or MATH 1110(3).

Majors must complete each of the business core courses with a "C" or better: ACCT 1111(3), 1112(3); BALT 2240(3), 3301(3); ECON 2101(3), 2102(3); FINA 2300(3); MKTG 2300(3); MGT 1150(3), 2235(3), 3300(3) and 4380(3). Majors must complete with a "C" or better: BALT 3300(3), BALT 4320(3), BALT 3330(3); BALT 4350(3); FINA 4330 (3) and two additional 3000-level or higher BALT courses.

CLEP, life experience, work experience, internships, advanced placement and other external credit may substitute for major courses if approved by the department.

Requirements - Minor:

The Business Analytics minor is intended for traditional undergraduate students who are in a major outside of the Department of Undergraduate Business. Only courses in which a student has earned a "C" or better may be applied to the minor. Students are limited to one minor in Accounting, Business Analytics, Business and Economics, Economics, Entrepreneurship, Finance, International Business and Economics, Human Resource Management, Management and Organizational Behavior or Marketing. Students (except for BACHELOR OF ARTS IN MANAGEMENT students) seeking a minor in Business Analytics must complete with a grade of "C" or better 15 semester credit hours which must include BALT 3301(3), 3330(3), and at least three 3000-level or higher courses in business analytics and the required prerequisites. A Bachelor of Arts in Management student may not minor in Business Analytics. Students who earn a major in Business Analytics may not earn a minor in the undergraduate business department.

Requirements - Concentration:

Concentrations in Digital Marketing, Operations Management and Visualization Techniques are available in combination with this major. Requirements listed below must be completed with a "C" or better.

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Digital Marketing: MKTG 3345, MKTG 3347, MKTG 3348, and MKTG 3349.

Operations Management: BALT 4350, MGT 2235, MGT 4333, and BALT 3325 or INTB 3340.

Visualization Techniques: BALT 3310, BALT 3318, BALT 3370, and GAD 2260.

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Business and Economics

College: Daniel L. Goodwin College of Business

Department: Undergraduate Business

Student Type: Traditional Undergraduate

Degree: Bachelor of Business Administration

Faculty:

Deborah Cernauskas, Ph.D., M.S., M.B.A., Department Chair

Larissa Adamiec, Ph.D.

Rick Cali, M.B.A.

J. Timothy Goines, Ph.D.

Jodi Houlihan, M.D.M.

Vicki Jobst, D.B.A., M.B.A., CPA

Todd Kelsey, Ph.D.

Isobel Lobo, Ph.D.

Rob Rebman, M.B.A., CPA

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.

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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's distribution requirements, which are partially satisfied by an approved course in ethics (e.g. PHIL 2245, 2247, MGT 2252) and MATH 1105(3) or 1110(3)

Business and Economics majors must also complete, with a grade of "C" or better, ACCT 1111(3), 1112(3); BALT 2240(3); ECON 2101(3), 2102(3), FINA 2300(3); MKTG 2300(3); MGT 1150(3), BALT 3301(3); MGT 2235(3); MGT 3300(3); and MGT 4380(3). Majors must complete with a "C" or better: ECON 3202(3); ECON 3310 or FINA3370(3); at least one 3000-level FINA courses; at least one 4000-level FINA course; at least one 3000-level BALT course (in addition to BALT3301); at least one 4000-level BALT course; and one 3000-level INTB course.

CLEP, life experience, work experience, internships, advanced placement and other external credit may substitute for major courses if approved by the department.

Business and Economics majors who elect to earn a second major in the Department of Undergraduate Business 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 - Concentration:

Business and Economics majors must select a concentration. Concentrations in Business Analytics, Digital Marketing, and Operations Management are available in combination with this major. Requirements listed below must be completed with a "C" or better.

Business Analytics: BALT 3310, BALT 4320, BALT 3330 and BALT 3370.

Digital Marketing: MKTG 3345, MKTG 3347, MKTG 3348 and MKTG 3349.

Operations Management: BALT 4350, MGT 2235, MGT 4333 and BALT 3325 or INTB 3340.

Requirements - Teaching License:

Students who desire to be licensed to teach business, marketing, and computer education at the secondary level (grades 9-12) are to declare themselves as Business and Economic majors and Education minors and register with the Benedictine University Education Program as teaching licensure candidates. Advising is then a joint responsibility of the Department of Business and Economics and the School of Education.

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Students must complete the requirement for a major in Business and Economics as well as the requirements of the Teacher Licensure Program in Education which includes the Education minor (see Education [Elementary Education, Special Education and Minors in Education and Special Education] section).

Note: If you desire to teach economics, you may also earn an endorsement in Social Science-Economics by completing the Illinois Board of Education licensure requirements for this endorsement.

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Catholic Studies (Minor Only)

College: College of Liberal Arts

Department: History, Philosophy and Theology

Student Type: Traditional Undergraduate

Faculty:

Martin Tracey, Ph.D., Department Chair
Christine M. Fletcher, M.A. (Oxon), Ph.D.
Rita George-Tvrtković, Ph.D.
Peter Huff, Ph.D.
Joseph Incandela, Ph.D.
Fr. Philip Timko, O.S.B., S.T.D., Professor Emeritus

Lecturers:

Fr. Julian von Duerbeck, O.S.B., M.A.
William Toma, S.T.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:

Catholic Studies minors will:

1. Show knowledge of the fundamentals of Catholic Scripture and Tradition, and what they say about God, humanity, the natural world and virtuous living.
2. Understand that the search for truth has many methodologies and integrate their experiences in the Distribution Requirement Curriculum with the Catholic Intellectual Tradition;
3. Show knowledge of Catholic views of religious diversity;
4. Engage ethical problems thoughtfully and actively, and contribute to the work of peace and justice.

Requirements - Minor:

Students minoring in Catholic Studies must complete with a grade of "C" or better 15 semester credit hours of Program-approved courses, of which 6 semester credit hours must at the 3000 level or higher. Of the 15 semester credit hours, at least 3 semester credit hours must be from a Program-approved Theology course below the 3000 level, at least 3 semester credit hours from a Program-approved Theology course at the 3000 level or above, and at least 3 semester credit hours must be from a Program-approved Philosophy course. In addition, Catholic Studies minors must earn a passing grade in a Catholic Life Learning Community (LCOM). The Chair of the History, Philosophy and Theology

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Department maintains the list of approved Catholic Studies courses. Transferable credit toward minor is limited to 6 credit hours.

Learning Community

The Catholic Studies Learning Community will meet at the beginning and the end of the semester and attend the Visiting Scholar in Catholic Thought and Benedictine Heritage Lecture

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Chemistry

College: College of Science

Department: Chemistry

Student Type: Traditional Undergraduate

Degree: Bachelor of Arts and Bachelor of Science

Faculty:

Cheryl M. Mascarenhas, Ph.D., Department Chair
Casey R. Larsen, Ph.D.
Brooks E. Maki, Ph.D.
Timothy W. Marin, Ph.D.
Niina J. Ronkainen, Ph.D.
David M. Rubush, Ph.D.
David C. Sonnenberger, Ph.D.
Kari L. Stone, Ph.D.
Edward L. Ferroni, Ph.D.; Professor Emeritus
James J. Hazdra, Ph.D., Professor Emeritus[†]
David J. Rausch, Ph.D., Professor Emeritus
Rev. Cyprian Tomecko, O.S.B., Ph.D., Professor Emeritus[†]
Wayne E. Wesolowski, Ph.D., Professor Emeritus
E. Michael Winkler, Ph.D., Professor Emeritus

Laboratory Coordinators:

Kari Stone, Ph.D., General Chemistry
David Rubush, Ph.D., Organic Chemistry

Lecturers:

Jorge Alvarado, Ph.D.
Carol Fendrick, Ph.D.
Laura Kopff, Ph.D.
Rosemary Rakers, Ph.D.
Lisa Riedy, Ph.D.
Giselle Sandi-Tapia, Ph.D.
Richard Schraufnagel, Ph.D.
Robert Sentman, Ph.D.
Zuzana Strakova, Ph.D.
Yong-Zhong Zhao, Ph.D.
Lawrence Zintek, Ph.D.

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The University's Bachelor of Science degree program in Chemistry is approved by the American Chemical Society.

Department Mission/Purpose:

The mission of the Department of Chemistry at Benedictine University is to provide students with an appreciation and understanding of chemistry through our instruction, coursework and research collaborations. The goal is to prepare students for future careers in the chemical sciences, further education and lifelong learning.

Student Learning Outcomes for the Chemistry Program (B.A. and B.S majors):

Upon graduation from Benedictine University with a chemistry degree, students will:

1. Demonstrate knowledge of four out of five major fields (organic, inorganic, analytical, physical and biochemical) of chemistry, and be able to integrate chemical principles and knowledge, to solve a chemical problem.
2. Be able to competently design, carry out, record and analyze the results of chemical experiments.
3. Demonstrate an ability to effectively use modern instrumentation and classical techniques for qualitative and quantitative chemical analysis and separation.
4. Demonstrate proficiency in the use of appropriate scientific literature searching and retrieval methods to obtain information about a topic, chemical, chemical technique, or an issue relating to chemistry.
5. Be able to constructively evaluate the scientific data and work of others in the chemical field, critically read published results/manuscripts, and independently learn new emerging content in their chosen field of study.
6. Demonstrate problem-solving and self-directed learning skills by completing a high-quality multi-semester research project that results in a written and an oral report summarizing the project.
7. Demonstrate proficiency in writing and speaking about chemistry topics in a clear and concise manner to both chemists and non-chemists according to professional standards.
8. Demonstrate the ability to work effectively in diverse teams and respectfully communicate and collaborate with colleagues.
9. Be familiar with, and follow proper procedures and regulations for safe handling, use, and disposal of chemicals.
10. Be knowledgeable about responsible and ethical scientific conduct.
11. Be prepared for: gainful and fulfilling employment in industry or government; acceptance at graduate or professional schools (law, medicine, etc.); or employment in school systems as instructors or administrators.
12. Be prepared for lifelong learning as scientists in whatever future path they choose.

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**Progression in the Chemistry Program (for B.A. and B.S degrees):**

Progression in the Chemistry program requires that students complete the introductory sequence of CHEM 1127 or 1113 plus CHEM 1123, and MATH 2210 with a GPA of 2.500 or above and a grade of "C" or better in each of these courses. A transfer student must meet these requirements through equivalent transfer courses. Additionally, a transfer student must earn a GPA of 2.500 or above in all major classes (excluding labs) during the first semester at Benedictine in order to progress in the Chemistry program.

If it is determined at any time that a student cannot progress within the Chemistry program or graduate with a Chemistry degree, the student will be required to change his or her major and seek academic advising outside of that program.

Academic Repeat Policy for CHEM 1108:

Undergraduate students – both degree-seeking and Students-At-Large (SAL) – may repeat CHEM 1108 if they received grades of "W," "D" or "F" no more than once. Students who wish to take CHEM 1108 for a third time must appeal to do so in writing to the Department Chair of Physical Sciences who will forward the appeal to the chemistry faculty for a department-level decision. Students may not repeat CHEM 1108 if they receive a grade of "C" or better.

Requirements - Major:

The B.S. in Chemistry major must complete the following courses with a grade of "C" or better: MATH 2210(5) or 1170(5) plus 2200(4); MATH 2211(4), MATH 2212(4); PHYS 2211(3), 2205(1), 2212(3), 2206(1), 2213(3) and 2207(1).

CHEM 1127(4) or CHEM 1113(3) plus CHEM 1123(3); CHEM 1115(1), CHEM 1125(1), CHEM 3231(3), 3232(3), 3237(1), 3238(1), 2242(3), 2244(1), 2247(3), 2249(1), 4313(3), 4314(1), 4315(3), 4316(1), 4320(3), 4321(1), 4398(3), 4399(1), and two of the following advanced courses: CHEM 4322, 4334, 4340, 4342, 4347, 4357, and 4361.

An original research project and thesis must be completed. Students who satisfactorily complete these courses (assuming that CHEM 4361 is one of the advanced chemistry classes taken) fulfill the requirements for American Chemical Society certification.

The B.A. in Chemistry major must complete the following courses with a grade of "C" or better: MATH 2210(5) or [1170(5) plus 2200(4)]; MATH 2211(4); PHYS [2211(3), 2205(1), 2212(3), 2206(1), 2213(3) and 2207(1)] or PHYS [1113(3), 1114(1), 1118(3) and 1119(1)]. CHEM 1127(4) or CHEM [1113(3) plus 1123(3)]; CHEM 1115(1); CHEM 1125(1); CHEM 2242(3); CHEM 2244(1); CHEM 2247(3); CHEM 2249(1); CHEM 3000(1); CHEM [3231(3) plus 3237(1)] or CHEM [3232(3) plus 3238(1)]; CHEM 4313(3); CHEM 4320(3); CHEM 4321(1); CHEM 4398(2). Additionally, 12 credit hours in CHEM, PHYS, ENGR, MATH, CMSC, and BIOL courses are required, 9 credit hours of which must be at the 3000-level or higher. Excluded from the 12 additional credit hours are courses in research, TA and Internships.

The B.A. in Chemistry is not certified by the American Chemical Society.

Students are not permitted to major in both Health Science and Chemistry (B.A. or B.S.).

Requirements - Minor:

Students seeking a minor in Chemistry must complete, with a grade of "C" or better: CHEM 1127(4) or CHEM 1113(3) plus CHEM 1123(3), CHEM 1114(1) or 1115(1), 1124(1) or 1125(1), 3231(3), plus 3237(1), or 3232(3) plus 3238(1), 2242(3), 2243(1) or 2244(1), 2247(3), 2248(1) or 2249(1), and 3 semester credit hours in one of the following 4000-level CHEM courses: CHEM 4313(3), CHEM 4315(3), CHEM 4320(3), CHEM 4322(3), 4334(3), 4340(3), 4342(3), 4347(3), 4357(3), 4365(3) and 4390(3). No credit is given for CHEM 2295 and/or 4398. Biochemistry/Molecular Biology majors may not minor in Chemistry.

Requirements - Teaching License:

Students desiring to be licensed to teach chemistry at the secondary level (grades 9-12) are to declare themselves as Chemistry majors and Education minors and register with the Benedictine University Education Program as teaching licensure candidates. Advisement is a joint responsibility of the Chemistry and Education programs. Students must complete the requirements for the Chemistry major, a second teaching field and Teacher Licensure in Education which includes a minor in Education (see Education [Elementary Education, Special Education and Minors in Education and Special Education] section).

CHEMISTRY MAJOR WITH EDUCATION MINOR: Students must complete the following courses with a grade of "C" or better: CHEM 1127 or CHEM 1113(3) plus CHEM 1123(3), CHEM 1115(1), 1125(1), 3231(3), 3232(3), 3237(1), 3238(1), 2242(3), 2244(1), 2247(3), 2249(1), 4313(3), 4314(1), 4315(3), 4316(1), 4320(3); CHEM 3261(3); MATH 2210(5), or 1170(5) plus 2200(4); MATH 2211(4), 2212(4); and PHYS 1113(3), 1114(1), 1118(3), 1119(1) or PHYS 2205(1), 2206(1), 2207(1), 2211(3), 2212(3), 2213(3); NTSC 1111(3); PHYS 1107(4); PHIL 2290(3); EDUC 2200(1), 2205(3), 2207(1), 2210(3), 2215(3), 3234(1), 4236(1), 2260(3), 4308(3), 3310(3), 3331(3), 4364(3), 4371(12); and PHED 2257(2).

Chinese (Mandarin) Language (Minor Only)

College: College of Liberal Arts

Department: Languages and Literature

Student Type: Traditional Undergraduate

Faculty: Rafael Iglesias, Ph.D., Department Chair

Objectives:

The minor in Chinese is designed to help students attain an intermediate level of linguistic proficiency in the language and acquire knowledge about China from various disciplinary perspectives. Central to the liberal arts mission of Benedictine University, the program aims to foster autonomous and lifelong learners who are able to act as globally conscious citizens after graduation. The program also encourages study abroad experiences and internships in local Chinese communities and abroad.

Student Learning Outcomes:

Minors will demonstrate at minimum an intermediate-low level (ACTFL standards) in all four program-central skills: reading, writing, speaking and listening. They will also demonstrate appropriate historical and cultural knowledge about China, and will situate what they have learned in appropriate global, national and local contexts. The minor also offers students opportunities for study at various partner schools and institutions in China (including scholarship support) and for co-curricular opportunities such as Chinese Conversation Corner, International Education Week, Intercultural House, and excursions to local communities and events.

Requirements - Minor:

The requirements for the minor in Chinese Language (Mandarin) include successful completion of the following classes with a grade of "C" or better (total of 21 semester credit hours): CHIN 1102(3), 1109(1), 2201(3), 2208(1), 2202(3), 2209(1), 2211(3), 3212(3), and CHIN 4302(3). In some cases, the Department of Languages and Literature may approve as a substitute for CHIN 4302 an upper-level class taken at Benedictine University (e.g., CHIN 3395 or any other pre-approved equivalent) or at another institution or college in the United States or a Chinese-speaking country. But minors must have any transfer coursework approved prior to enrollment. Minors who earn placement credit for lower-level language courses according to the University policy (successful completion of the course into which they place, with a grade of "C" or better, plus approval through petition for external credit) will be awarded three semester credit hours per class for a maximum award of 6 external semester credit hours, and must still earn 21 semester credit hours for the minor.



Communication Arts

College: College of Liberal Arts

Department: Communication Arts

Student Type: Traditional Undergraduate

Degree: Bachelor of Arts

Faculty:

Peter B. Seely, M.A., Department Chair

Christopher Birks, M.A.

Luigi Manca, Ph.D.

Lecturers:

Courtney Linehan, M.A.

John Madormo, B.A.

Kathleen Seiferth, M.A.

Hernice Smith, M.A.

Jason Sperb, Ph.D.

Melanie Thillens, M.A.

Kevin Valentine, 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 students' critical and imaginative thinking, reading and writing skills;
4. Develop skills to empower students 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;

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10. Provide an understanding of the impact of mass media industries and messages on the individual, society and culture;
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 semester credit hours within the department with a grade of "C" or better, including:

1. A core of the following Communication Arts courses: COMM 3207(3), 2208(3), 2209(3), 2235(3), 2255(3), 4317(3), and 4393(3).
2. Two of the following: COMM 2253(3), 2254(3), 2263(3), or 2267(3).
3. One 3000-level theory course from COMM 3303(3), COMM 3304(3), COMM 3384(3), 3385(3), 3388(3) or 3390(3).
4. One 3000-level applied course from COMM 3316(3), 3337(3), 3353(3), 3381(3) or 3382(3).
5. At least three 3000-level Communication Arts elective (theory or applied).

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.

The Communication Arts program offers courses in the following areas (1) journalism, (2) broadcasting and cable, (3) advertising and public relations (4) mass media theory and criticism, and (5) webpage design.

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 Distribution requirements: PHIL 2260 or 3355(3) and a history course, ECON 2101(3), ACCT 1111(3), PLSC 1102(3), MGT 1150(3), BIOL 1197(3) or 1198(3).

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**Requirements - Minor:**

A minor in Communication Arts consists of at least 21 semester credit hours in Communication Arts courses with a grade of "C" or better, including: COMM 3207(3), 2209(3) or 2254(3), 4317(3), plus an additional 9 semester credit hours at the 2000 level and an additional 3-semester-credit-hour Communication Arts courses at the 3000 level.

Requirements - Concentration:

The Sports Communication concentration consists of all of the above major requirements (except COMM 2235) plus COMM 2264, 2265, and 3297, and MGT 3305.



Computer Information Systems

College: College of Science

Department: Mathematical and Computational Sciences

Student Type: Traditional Undergraduate

Degree: Bachelor of Science

Faculty:

Ellen Ziliak, Ph.D., Department Chair

Grace M. Mirsky, Ph.D., Program Director

Lawrence J. Speh, M.S.

Eileen G. Clark, M.S., Professor Emerita

Ralph D. Meeker, Ph.D., Professor Emeritus

Daniel E. Nohl, Ph.D., Professor Emeritus

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

Lecturers:

Stephen Machon, M.S.

Thomas Schendl M.S.

Petre Turcu, D.S.

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Objectives:

The discipline of computer 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 re-engineering of critical business processes and in enhancing management decision-making.

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

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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 effectively with clients and to work effectively in teams. Graduates will have good written and oral 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

Progression in the Computer Information Systems program:

A student will progress in the Computer Information Systems program by completing the introductory sequence of CMSC 2200 and 2205 with a GPA of 2.500 or above and a grade of "C" or better in each of these courses. A transfer student must meet these requirements through equivalent transfer courses. Additionally, a transfer student must earn a GPA of 2.500 or above in all major classes (excluding labs) during the first semester at Benedictine in order to progress in the Computer Information Systems program.

If it is determined at any time that a student cannot progress in the Computer Information Systems program or graduate with a Computer Information Systems degree, the student will be required to change his or her major and seek academic advising outside of that program.

Requirements - Major:

The Computer Information Systems major must complete a minimum of 27 semester credit hours of computer science courses numbered 2000 or above, including at least 15 semester credit hours at the 3000 level or above, and at least 9 semester credit hours at the 4000 level or above, 12 semester credit hours in business courses and 10 semester credit hours of computational courses. Required computer science courses are: CMSC 2200(3), 2205(3), 2220(3), 2264(3), 3274(3), 3330(3), 4375(3) and 4398(3). CMSC 3396, 3397 and 3399 do not count toward major credit.

Required business courses include ACCT 1111(3), ACCT 1112(3), ECON 2101(3) or ECON 2102(3), and one of the following four courses: FINA 3300(3) [ECON 2101(3) recommended], MGT 3300(3) [ECON 2101(3) recommended], MKTG 3300(3) [ECON 2102(3) recommended], and BALT 4320(3). Required computational courses include: MGT 1150(3) and MATH 2240(4). Grades of "C" or

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better are required to apply computer science, business or computational courses toward the degree. A student cannot major in both Computer Information Systems and Computer Science.

In total, at least 18 hours of credit applied toward the major must be at the 3000-level or higher.

Requirements - Minor:

Students seeking a minor in Computer Information Systems must complete, with a grade of "C" or better: MATH 2240(4) and at least 17 semester credit hours of computer science coursework at the 2000 level or above. Required courses include: CMSC 2200(3), 2205(3) and 3274(3). At least one additional course must be at the 4000-level or above.

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

Computer Science

College: College of Science

Department: Mathematical and Computational Sciences

Student Type: Traditional Undergraduate

Degree: Bachelor of Science

Faculty:

Ellen Ziliak, Ph.D., Department Chair
Grace M. Mirsky, Ph.D., Program Director
Lawrence J. Speh, M.S.
Eileen G. Clark, M.S., Professor Emerita
Ralph D. Meeker, Ph.D., Professor Emeritus
Daniel E. Nohl, Ph.D., Professor Emeritus
Fr. Richard E. Shonka, O.S.B., M.S., Professor Emeritus†

Lecturers:

Stephen Machon, M.S.
Thomas Schendl, M.S.
Petre Turcu, D.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:

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

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3. Provide electives in:
 - a. Applications appropriate to the programmer/analyst
 - b. Scientific and technical applications
 - c. The basic study of the theory and applications of computers
 - d. Emerging developments in computer science

Progression in the Computer Science program:

To progress in the Computer Science program students must complete the introductory sequence of CMSC 2200 and 2205 with a GPA of 2.500 or above and a grade of "C" or better in each of these courses. A transfer student must meet these requirements through equivalent transfer courses. Additionally, a transfer student must earn a GPA of 2.500 or above in all major classes (excluding labs) during the first semester at Benedictine in order to progress in the Computer Science program.

If it is determined at any time that a student cannot progress in the Computer Science program or cannot graduate with a Computer Science degree, the student will be required to change his or her major and seek academic advising outside of that program.

Requirements - Major:

The Computer Science major must complete a minimum of 39 semester credit hours of computer science courses numbered 2000 or above, including 27 semester credit hours at the 3000 level or above. Required courses are CMSC 2200(3), CMSC 2205(3), CMSC 2220(3), CMSC 2264(3), CMSC 3270(3), CMSC 3274(3), CMSC 3301(3), CMSC 3330(3), CMSC 4375(3) and CMSC 4398(3). Students must also complete at least 9 semester credit hours from the following list: CMSC 4310(3), CMSC 4363(3), CMSC 4364(3), CMSC 4365(3), CMSC 4370(3), CMSC 4373(3), CMSC 4374(3), CMSC 4380(3), CMSC 4383(3), CMSC 4384(3), CMSC 4385(3), CMSC 4386(1), CMSC 4391(3). CMSC 3396, CMSC 3397 and CMSC 3399 do not count toward major credit. Computer Science majors must also complete a computational requirement of MATH 2240(4) and one of the following computational courses (Advanced Placement credit cannot be applied to this computational requirement): MATH 1150(3), MATH 1170(5), MATH 2200(4), MATH 2210(5) or MATH 2211(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 2240(4) and at least 17 semester credit hours of computer science coursework at the 2000 level or above. Required courses include: CMSC 2200(3), CMSC 2205(3) and (CMSC 3270(3) or CMSC 3274(3)). At least one additional course must be at the 4000 level or above.

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

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Criminal Justice

College: College of Liberal Arts

Department: Psychology, Sociology, Criminal Justice and Clinical Psychology

Student Type: Traditional Undergraduate and Adult Accelerated Undergraduate

Degree: Bachelor of Arts

Faculty:

Brian Patterson, Ph.D., Department Chair
Patrick Polasek, Ph.D., Program Director
Jane Boumgarden, M.S.W., LCSW, ACSW
Cesraea Rumpf, Ph.D.

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:

The Criminal Justice major must complete the following courses; SOCL 1100(3), PLSC 1102(3), PLSC 2105(3), PLSC 2201(3), CJUS 2250(3), CJUS 2260(3), CJUS 4321(3), CJUS 4351(3), CJUS 4356(4), CJUS 4390(3-6) or CJUS 4395(3); two courses from the following list: SOCL 2205(3), CJUS 2206(3), CJUS 2212(3), CJUS 2233(3), SOCL 2240(3), CJUS 2243(3), CJUS 2294(3) and CJUS 2296(3); three courses from the following list: CJUS 3306(3), CJUS 3320(3), CJUS 3324(3), CJUS 3326(3), CJUS 3330(3), CJUS 3331(3), CJUS 3360(3), CJUS 3372(3), CJUS 3375(3), CJUS 3391(3), CJUS 4390(3-6) if CJUS 4395 is

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taken for required course, and CJUS 4395(3) if CJUS 4390 is taken for required course. Each major course must be completed with a grade of "C" or better. In addition, the Criminal Justice major must take an ethics course (either CJUS 2243 or PHIL 2245).

Internships require a minimum GPA of 3.000.

Requirements - Minor:

A minor in Criminal Justice consists of a program of courses totaling at least 21 semester credit hours with a grade of "C" or better, submitted to and approved by the department chair, consisting of CJUS 2260, CJUS 2206, CJUS 2294, CJUS 3306, CJUS 4321, one course (3) from CJUS 2233, SOCL 2240 or CJUS 2243, and one course (3) from CJUS 3330, CJUS 3372 or CJUS 3391.

Diversity and Criminology Concentration:

For Criminal Justice majors the Diversity and Criminology concentration consists of all of the above major requirements plus the following four courses: CJUS 2212(3), CJUS 2296(3), CJUS 3320(3) and CJUS 3360(3) with a grade of "C" or better. Non-Criminal Justice majors must complete CJUS 1260 with a "C" or better in addition to the previous four courses.

White Collar Crime Concentration:

For Criminal Justice Majors the White Collar Crime concentration consists of all of the above major requirements plus the following 4 courses: CJUS 2245(3), CJUS 2266(3), CJUS 2275(3) and CJUS 3316(3) with a grade of "C" or better. Non-Criminal Justice Majors must complete CJUS 1260 and CJUS 3324 with a "C" or better in addition to the previous 4 courses.

Data Science

College: College of Science

Department: Mathematical and Computational Sciences

Student Type: Traditional Undergraduate

Faculty:

Ellen Ziliak, Ph.D., Department Chair
Grace M. Mirsky, Ph.D. Computer Science Program Director
Timothy Comar, Ph.D.
Anthony DeLegge, Ph.D.
Manmohan Kaur, Ph.D.
Lawrence J. Speh, M.S.
Thomas Wangler, Ph.D.

Lecturers:

Stephen Machon, M.S.
Thomas Schendl, 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:

The program in Data Science will provide students with the ideal mixture of mathematical and computational sciences. Students will learn how to search, collect and analyze data sets of all types, big and small. Students will be able to analyze data through mathematical and statistical techniques and present a well-defended conclusion about the data. Students will be trained in database management, object-oriented programming and potentially machine learning, data mining and big data. At the end of the curriculum, the students will engage in a capstone experience where they will come face-to-face with a big data set to analyze and find viable solutions as well as present the results in written and oral form.

The program is designed to:

1. Develop the students' abilities to reason logically and to handle problem solving;
2. Teach the students the fundamentals of programming, data mining, and statistical inference;
3. Prepare students for either graduate study in a related field or prepare for a career as a Data Scientist, Statistician, Applied Mathematician, Analyst, Computer Programmer, Database Manager, or other fields in applied mathematics or computer science.

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**Progression in the Data Science program:**

For progression in the Data Science program students must complete the introductory sequence of CMSC 2200, 2205, and Math 2210, 2211, 2212 with a GPA of 2.500 or above and a grade of "C" or better in each of these courses. A transfer student must meet these requirements through equivalent transfer courses. Additionally, a transfer student must earn a GPA of 2.500 or above in all major classes (excluding labs) during the first semester at Benedictine in order to progress in the Data Science program.

If it is determined at any time that a student cannot progress in the Data Science program or cannot graduate with a Data Science degree, the student will be required to change his or her major and seek academic advising outside of that program.

Requirements - Major:

The Data Science major must complete a minimum of 53 semester credit hours of mathematics and computer science courses. Required courses are CMSC 2200(3), CMSC 2205(3), CMSC 3270(3), CMSC 3274(3), CMSC 3330(3), MATH 2210(5), MATH 2211(4), MATH 2212(4), MATH 2240(4), MATH 3300(3), MATH 3371(3), and MATH 4373(3). Students must also complete three of the four courses: CMSC 4373(3), CMSC 4380(3), CMSC 4363(3), or CMSC 4383(3).

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

A student cannot major in both Data Science and Computer Science or Mathematics.



Economics

College: Daniel L. Goodwin College of Business

Department: International Business and Economics

Student Type: Traditional Undergraduate

Degree: Bachelor of Arts

Faculty:

J. Timothy Goines, Ph.D., Department Chair

Isobel Lobo, Ph.D., Professor

Florina Salaghe, Ph.D., Assistant Professor

Margaret Roth, Ph.D., Professor Emerita

Soyon Lee, Ph.D., CPA, 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's requirements, MATH 2210(5) and are strongly encouraged to complete MATH 2211(4), 2212(4), and either MATH 2260(4), 3300(3) or MATH 3370(3).

Economics majors must also complete, with a grade of "C" or better, ECON 2101(3), 2102(3), 2201(3), 3202(3); ACCT 1111(3), 1112(3); MATH 1150(3) or MGT 1150(3), MATH 2210(5); MGT 2251(3); and five

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3000-level courses from ECON 3305(3), 4310(3), 3320(3), 3331(3), 3340(3), 351(3, no longer offered), 3360(3), 3370(3). CLEP, life experience, work experience, internships, advanced placement and other external credit do not substitute for upper-level (3000) courses.

Requirements - Minor:

Students seeking a minor in Economics must complete with a grade of "C" or better 21 semester credit hours which must include ECON 2101(3), 2102(3), 3202(3), 4310(3); MATH 1150(3) or MGT 1150(3) and at least two 3000-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 macroeconomic and microeconomic 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 statistical information that is 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 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

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works at the aggregate and microeconomic levels, and specialized economic topics such as public finance, money and financial markets and international trade and finance.

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Education [Elementary Education, Special Education and Minors in Education and Special Education]

College: College of Education and Health Services

Department: Teacher Education

Student Type: Traditional Undergraduate

Faculty:

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

Alandra Devall, Ph.D.

Joyce Jeewek, Ed.D.

Mary Jeffery, Ed.D.

Kathleen Liace, Ed.D.

Fr. David Turner, O.S.B., Ph.D., D.Min. Emeritus

Ovid Wong, Ph.D.

Lecturers:

Sandra Brennan, M.S.

Lou Ann Chvatal, M.S.

Jillian Clarke, Ph.D.

Mark Flood, M.A.

Mary Hamilton, M.S.

Kimberly Hauser, M.S.

Steven Penley, M.B.A.

Joseph Schrom, M.S.

Marcey Siegel, M.S.

Virginia Zeitlin, Ph.D.

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Requirements for the major and teacher licensure in Elementary Education:

The following requirements for the degree and Professional Educator License (PEL) in Elementary Education are for candidates who have been admitted to the Teacher Education Program (TEP) and who are completing their program after September 1, 2017, as set forth in 23 Ill. Adm. Code 20 (Standards for Endorsement in Elementary Education). Completers of this program will receive the Self-Contained General Education endorsement on the PEL for grades 1-6.

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Students majoring in Elementary Education must complete the following requirements. These align with, but are not totally inclusive of, all of the University Basic Skills and Distribution Requirements for an undergraduate degree at Benedictine University.

1. The Basic Skills core with at least a "C" in each course. This core includes WRIT 1101(3), 1102(3), COMM 1110(3) and MATH 1110(3).
2. The Arts and Humanities require 15 semester credit hours, as per University MI requirements.
3. The Natural Sciences requires 9 semester credit hours as per University MI requirements. One QLS or QPS course must include a lab.
4. The Social Sciences I and II requires 6 semester credit hours as per University MI requirements.

The cognate requirements for the major in the Elementary Education program for degree and license requirements are: MATH 1110(3), 1112(3), 1150(3), and 2222(3); HIST 1111(3) or 1112(3); INTB 1101(3); MUSI 1107(3); PHYS 1107(4); and PLSC 1102(3).

The professional education requirements for the Elementary Education program for degree and license requirements are: EDUC 2200(1), 2205(3), 2207(1), 3209(3), 2210(3), 2215(3), 3234(1), 4236(1), 3240(3), 2260(3), 4308(3), 3310(3), 3312(3), 3315(3), 3318(3), 4320(3), 4355(3), EDUC 4370(12), and PHED 2210(2). Included in these requirements are three preclinical experiences (EDUC 2200, 3234 and 4236) and student teaching (EDUC 4370).

All coursework for licensure must be completed with grades of "C" or better. Grades of C minus (C-) are considered to be below a "C".

Students must successfully complete the education Teacher Performance Assessment (edTPA) as part of EDUC 4370 for degree and license completion. Students must also pass the Test of Academic Proficiency/ACT/SAT and content area test to complete their degree with license. If a student has not completed all license requirements at the time the degree is awarded, the transcript will show that the degree/program was completed "Without License."

Completion of the Elementary Education major with licensure test requirements entitles the candidate to the Professional Educator License (PEL) with the endorsement for Elementary Education/Self Contained General Education for grades 1-6.

Requirements for the minor and teacher licensure in Secondary/K-12 Education:

Students seeking the Professional Educator License (PEL) in Secondary Education for grades 9-12 with the Education minor must complete the following requirements. These align with the University's Basic Skills and Distribution Requirements for an undergraduate degree at Benedictine University with specific course requirements for licensure that can be met through the MI.

1. The Basic Skills core with at least a "C" in each course. This core includes WRIT 1101(3), 1102(3), COMM 1110(3), and MATH as required by the major department (i.e., MATH 1105, 1108, or 1110).
2. The Arts and Humanities MI require 15 semester credit hours, must include HIST 1111(3) or 1112(3) for the Historical (QHT).

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3. The Natural Sciences MI require 9 semester credit hours, must include a Life-Scientific (QLS) course and a Physical-Scientific (QPS) course, one of which must be a lab course; and a Computational, Math and Analytical (QCM) course.
4. The Social Sciences I and II MI require 6 semester credit hours, which must include American Government PLSC 1102(3) for QPE.
5. An approved multicultural/non-western culture course (3).

Students must also complete an academic major in an approved area for secondary licensure outside the School of Education. The approved majors are Biology, Chemistry, Physics, Mathematics, Business, English Language and Literature, Spanish, Social Science, Music Education, and Physical Education. The major must include a minimum of 32 semester credit hours. (NOTE: The programs in Spanish, Music Education and Physical Education provide for licensure in grades K-12).

The professional education requirements are: EDUC 2200(1), 2205(3), 2207(0), 2210(3), 2215(3), 3234(1), 4236(1), 2260(3), 4308(3), 3310(3), Methods in the Teaching Field(3) 4364(3) and PHED 2257(2); and EDUC 4371, or 4375, or 4378(12) Student Teaching.

All coursework for licensure must be completed with grades of "C" or better. Grades of C minus (C-) are considered to be below a "C".

Students must successfully complete the education Teacher Performance Assessment (edTPA) as part of EDUC 4371/4375/4378 for degree and license completion. Students must also pass the Test of Academic Proficiency/ACT/SAT and content area test to complete their degree with license. If a student has not completed all license requirements at the time the degree is awarded, the transcript will show that the degree/program was completed "Without License."

Completion of the subject area major and the Education minor with licensure test requirements entitles the candidate to the Professional Educator License (PEL) with the endorsement for grades 9-12 in the teaching field of the major.

Requirements for the major in Special Education and licensure in Learning Behavior Specialist I (LBS I):

Students majoring in Special Education/(LBS I) must complete the following requirements. These align with, but are not totally inclusive of, all of the University's Basic Skills and Distribution Requirements for an undergraduate degree at Benedictine University.

1. The Basic Skills core with at least a "C" in each course. This core includes WRIT 1101(3), 1102(2), COMM 1110 and MATH 1112.
2. The Arts and Humanities MI require 15 semester credit hours.
3. The Natural Sciences MI require 9 semester credit hours. One QLS or QPS course must include a lab.
4. The Social Sciences I and II MI require 6 semester credit hours.
5. An approved multicultural/non-western culture course (3).

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The cognate requirements for the major in the Special Education (LBS I) program for degree and license requirements are: MATH 1112(3), HIST 1111(3) or 1112(3), and PLSC 1102(3).

The professional education requirements for the Special Education (LBS1) program for degree and license requirements are: EDUC 2200(1), 2205(3), 2207(1), 3209(3), 2210(3), 2215(3), 3234(1), 4236(1), 3240(3), 3257(3), 2260(3), 3265(3), 4308(3), 3311(3), 4320(3), 4355(3), 3357(3), 3358(3), PHED 2210(2), and EDUC 4372(12). Included in these requirements are three preclinical experiences (EDUC 2200, 3234, and 4236) and student teaching (EDUC 4372).

All coursework for licensure must be completed with grades of "C" or better. Grades of C minus (C-) are considered to be below a "C".

Students must successfully complete the education Teacher Performance Assessment (edTPA) as part of EDUC 4372 for degree and license completion. Students must also pass the Test of Academic Proficiency/ACT/SAT and content area tests to complete their degree with license. If a student has not completed all license requirements at the time the degree is awarded, the transcript will show that the degree/program was completed "Without License."

Completion of the Special Education major with licensure test requirements entitles the candidate to the Professional Educator License (PEL) with the endorsement for Learning Behavior Specialist I (LBS I) for grades K-age 21.

Requirements - Other:

Teacher Education Program

Application and Matriculation:

Benedictine University's School of Education equips candidates with the knowledge, skills and dispositions that will shape and influence learning through critical-thinking, research-based decisions, and best practices. These practices produce outcomes for teacher candidates to become highly effective practitioners who actively engage with content to promote critical-thinking skills, innovatively manage the learning environment, and consistently monitor student progress to adjust curriculum delivery while collaborating with others to positively impact students, the community and the professional field. As an integrated whole, the conceptual framework for the School of Education contains the overarching purpose of the unit: to create effective practitioners who are committed to scholarship, lifelong inquiry, leadership, and social responsibility.

Candidates must successfully meet the requirements through six 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 licensure.



The six checkpoints (with their requirements) are as follows:

Please note that any course required for licensure requires a grade of C or better at degree/licensure completion. A grade of C- is below C. There is no limit to the number of times one may take any state exam.

Checkpoint 1 – Pre-Admission to TEP: (30 or more credits)

Checkpoint 1 is designed to ensure that each candidate has met the prerequisites necessary to begin their application to the Teacher Education Program.

- National and state background check clearance:
- Fingerprint based criminal history records check (as required by BenU or the school district). Please refer to the following link for instructions: isp.state.il.us/docs/5-727.pdf.
 - Check of the Statewide Sex Offender Database: CastleBranch.com and enter package code: **BC93**
 - Statewide Child Murderer and Violent Offender Against Youth Database (CastleBranch.com) and enter package code: **BC93**
 - IL Department of Children and Family Services (DCFS) mr.dcfstraining.org/UserAuth/Login!loginPage.action
 - Completion of Protecting All God's Children Workshop (Catholic Schools Requirement)
Each of the above must be completed prior to the beginning of preclinical experiences.
- Completion of the Basic Skills Requirements
 - WRIT 1101-Writing Colloquium
 - WRIT 1102-Research Writing
 - COMM 1110-Speech Communication
 - MATH 1110-College Algebra (or another approved course)
- EDUC 2207-Introduction to Education
- Establish Educator Licensure Information System (ELIS) (unless an account has already been created for you by taking an Illinois Licensure Testing System (ILTS) exam). (isbe.net/Pages/Educator-Licensure-Information-System.aspx)
- Eligibility for EDUC 2200-Preclinical Level 1
 - Non-Transfer Students: Basic Skills Requirements and pass minimum of two subtests of the Test of Academic Proficiency (TAP) or passage of ACT/SAT Plus Writing in lieu of TAP (isbe.net/documents/act-sat-testing-in-lieu-of-tap.pdf)
 - Transfer Students: Basic Skills Requirements and pass minimum of two subtests of the TAP (TAP exception at the discretion of the Director/Chair) or passage of ACT/SAT Plus Writing in lieu of TAP (isbe.net/documents/act-sat-testing-in-lieu-of-tap.pdf)
 - **ACT Prior to 9/1/15** - Composite score of 22 or higher and a minimum score of 19 on the combined English/Writing portion. (isbe.net/documents/act-sat-testing-in-lieu-of-tap.pdf)
 - **9/1/15 – 9/10/16** – Composite score of 22 or higher and a minimum score of 16 on the writing portion
 - **After 9/10/16** – Composite score of 22 and a minimum of 6 on the writing test
 - **SAT Prior to 3/5/16** – Composite score of 1030 (critical reading + mathematics = 1030 or higher) and a minimum of 450 on writing

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- **After 3/5/16** – Composite score of 1110 or higher and a minimum score of 26 on writing and language.

Checkpoint 2 – Admission to TEP: (60 or more credit hour)

Checkpoint 2 is designed to ensure that each candidate has met the prerequisites necessary to complete their application for admission to the Teacher Education Program.

- Successful completion of Checkpoint 1
- TAP passed or evidence of acceptance by ISBE of ACT or SAT in lieu of TAP
- File formal application for Admission to TEP (ben.edu/college-of-education-and-health-services/TEP/index.cfm) which requires:
 - EDUC 2200-Preclinical Level 1
 - EDUC 2205-Educational Foundations
 - EDUC 2210-Educational Psychology
 - EDUC 2260-Educating Students with Exceptionalities
- Successful Ratings on Professional Behaviors/Dispositions; any ratings below three will require a plan for professional growth. Ratings for Professional Behaviors/Dispositions will occur in all courses, all preclinical experiences, and student teaching.
- Cumulative GPA of 2.750
- Major GPA of 3.000

Checkpoint 3 – Advancement in TEP: (75 or more credit hours)

Checkpoint 3 is designed to ensure that each candidate has met the prerequisites necessary to advance in the Teacher Education Program and apply for student teaching.

- Successful completion of Checkpoint 2
- Submit application for student teaching
- Completion of Math 1112 - Mathematics for Elementary Teachers 1 and Math 2222 – Mathematics for Elementary Teachers 2 for Elementary Education majors
- Cumulative GPA of 2.750
- Major GPA of 3.000
- Successful Ratings on Professional Behaviors/Dispositions; any ratings below three will require a plan for professional growth. Ratings for Professional Behaviors/Dispositions will occur in all courses, all preclinical experiences, and student teaching.

Checkpoint 4 – Admission to Student Teaching: (90 or more credit hours)

Checkpoint 4 is designed to ensure that each candidate has met the prerequisites necessary to advance in the Teacher Education Program and to be admitted to student teaching.

- Successful completion of Checkpoint 3
- National and state background check clearance:
 - Fingerprint based criminal history records check (as required by BenU or the school district)
 - Check of the Statewide Sex Offender Database (CastleBranch.com) and enter package code: **BC93**)
 - Statewide Child Murderer and Violent Offender Against Youth Database (CastleBranch.com) and enter package code: **BC93**)

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- IL Department of Children and Family Services (DCFS) Mandatory Reporting of Abuse and Neglect
- Basic physical exam as required
- Completion of any additional student teaching requirements of the placement district
- Passage of applicable content area test(s) prior to student teaching. The student teaching application will not be processed until the application content area test(s) has been passed. This may result in a delay of the student teaching experience.
- Cumulative GPA of 2.750
- Major GPA of 3.000
- Passage of applicable content area test prior to student teaching
- Successful Ratings on Professional Behaviors/Dispositions; any ratings below three will require a plan for professional growth. Ratings for Professional Behaviors/Dispositions will occur in all courses, all preclinical experiences, and student teaching.
- Application for graduation submitted to the Office of the Registrar: ben.edu/registrar/index.cfm

Checkpoint 5 – Degree and Program Completion: (105 or more credit hours)

Checkpoint 5 is designed to ensure that each candidate has met all requirements for degree and program completion.

- Successful completion of Checkpoint 4
- Completion of Student Teaching experience with grade of C or better
- Successful passage of edTPA requirements
- Successful Ratings on Professional Behaviors/Dispositions; any ratings below three will require a plan for professional growth. Ratings for Professional Behaviors/Dispositions will occur in all courses, all preclinical experiences, and student teaching

Checkpoint 6 – Program Exit and Licensure: (120 or more credit hours)

Checkpoint 6 is designed to ensure that each candidate has been issued a Professional Educator License (PEL).

- Successful completion of Checkpoint 5
- Apply for and register license through ELIS: isbe.net/Pages/Educator-Licensure-Information-System.aspx

Transferring to Benedictine University:

If you are transferring to Benedictine University from an accredited college or university, you should contact the Office of Admissions 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 licensure 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 consideration of transfer of preclinical hours, appropriate documentation must be provided to the School of Education department chair.

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Benedictine
University

Elementary Education

College: College of Education and Health Services

Department: Teacher Education

Student Type: Traditional Undergraduate

Degree: Bachelor of Arts

Requirements - Major: See Education [Elementary Education, Special Education and Minors in Education and Special Education] section.

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Engineering Science

College: College of Science

Department: Physics/Engineering

Student Type: Traditional Undergraduate

Degree: Bachelor of Arts

Faculty:

Darya Aleinikava, Ph.D.

Stevce (Stefan) Stefanoski, Ph.D.

Matthew Wiesner, Ph.D.

Andrew Wig, Ph.D.

Lecturers:

Christopher Erwin, 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.

Program Director: Andrew Wig, Ph.D.

Progression in the Engineering Science program:

A student will progress in the Engineering Science program by completing the introductory sequence of PHYS 2211, PHYS 2212, MATH 2210 and MATH 2211 with a GPA of 2.500 or above and a grade of "C" or better in each of these courses. A transfer student must meet these requirements through equivalent transfer courses. Additionally, a transfer student must earn a GPA of 2.500 or above in all major classes (excluding labs) during the first semester at Benedictine in order to progress in the Engineering Science program. Acceptance into the Engineering Science program does not indicate a student is accepted to the Benedictine University-IIT Joint Engineering Program. A separate application for acceptance into the Joint Engineering Program is required after students have gained admission to the general Benedictine Engineering Science program.

If it is determined at any time that a student cannot progress in the Benedictine Engineering Science program or cannot graduate with an Engineering Science degree, the student will be required to change their major and seek academic advising outside of that program.

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**Requirements - Major:**

Engineering Science majors are required to complete the engineering core program: ENGR 1100(1), 1110(3), 1120(2), 2220(3), 3221(3) or 3264(3); MATH 2210(5) or 1170(5) plus 2200(4), 2211(4), 2212(4), 2260(4); PHYS 2205(1), 2206(1), 2207(1), 2211(3), 2212(3), 2213(3), 3214(3), CHEM 1127(4) or 1113(3) and 1123(3), 1114(1) or 1115(1), 1124(1) or 1125(1); CMSC 2200, and an additional 20 semester credit hours of engineering coursework. All grades must be "C" or better.

Requirements - Other:

Pre-Engineering Transfer Program: In this program, students transfer 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 earn 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 credit hours of coursework before an engineering school will allow them to transfer into one of its programs. For most engineering programs, these 60 semester credit hours would include the following courses: PHYS 2205(1), 2206(1), 2207(1), 2211(3), 2212(3), 2213(3), 3214(3); MATH 2210(5) or 1170(5) plus 2200(4), 2211(4), 2212(4), 2260(4); CHEM 1127(4) or 1113(3) and 1123(3), 1114(1) or 1115(1), 1124(1) or 1125(1); ENGR 1120(2), 2220(3), 3221(3), 3264(3); CMSC 2200, WRIT 1102(3) and 6 semester credit hours of social science electives.

Benedictine University IIT Joint Engineering Program

Program Liaison: Andrew Wig, Ph.D.

Benedictine University and Illinois Institute of Technology (IIT) 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. An application to be admitted to the joint engineering program can be submitted after a student gains acceptance into the Benedictine Engineering Science Program.

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 completion of the course requirements for both schools, the student is awarded a Bachelor of Science in an engineering discipline from IIT and a Bachelor of Arts in Engineering Science or a Bachelor of Science in Computer Science (in conjunction with the Computer Engineering program) from Benedictine University. Typically, it takes five years to complete the required courses.

A resident student can remain on campus during his or her entire University career. He or she will maintain one GPA throughout the entire joint program. He or 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:

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- Electrical Engineering
- Computer Engineering
- Mechanical Engineering
- Aerospace Engineering
- Civil Engineering
- Chemical Engineering
- Architectural Engineering
- Biomedical Engineering – Cell and Tissue Track
- Biomedical Engineering – Medical Imaging
- Biomedical Engineering – Neural Engineering

Engineering Science program (3+2 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 of their choice to complete the engineering program in two additional years. Two degrees are earned: a Bachelor of Arts 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).

English Language and Literature

College: College of Liberal Arts

Department: Languages and Literature

Student Type: Traditional Undergraduate

Degree: Bachelor of Arts

Faculty:

Olga D. Lambert, Ed.D., Department Chair

Zubair S. Amir, Ph.D.

Wilson Chen, Ph.D.

Jean-Marie Kauth, Ph.D.

Sandra Gollin Kies, Ph.D

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 in written form;
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 communication 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, in both national and global context and in translation;
2. Provide experience in reading significant writers, periods, genres and literary traditions in cultural context;
3. Teach advanced strategies and methodologies for interpreting, analyzing, and discussing literary texts, both orally and in writing;

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4. Require students to demonstrate multiple literacies and to write and perform research at an advanced level, both individually and collaboratively; and
5. Emphasize the vital and dynamic role of the literary and creative imagination in cultures and across various careers.

Requirements - Major:

English Language and Literature majors must complete at least 39 semester credit hours within the program, with a grade of "C" or better, including LITR 2298(3) and 2299(3); two courses designated pre-1800, from the following: LITR 2250, 2255, 2257, 2263, 2265, 2250, 4384 or other department-approved courses (6); one "diversity" LITR course from LITR 2259, 2279, 2280, 2281, 4364, or 3381(3); and LITR 4399(3). Of the 39 semester credit hours, 18 semester credit hours must be at the 3000 level or higher, including at least 6 at the 4000 level. Successful completion of, or concurrent enrollment in, LITR 2298 or 2299 is required for enrollment in most 3000 and 4000 level courses. Senior standing and successful completion (grade of C or better) of both LITR 2298 and 2299 are prerequisites for LITR 4399, Senior Seminar.

English Language and Literature majors are also required to undertake coursework in language or linguistics. Students have the option of (1) completing coursework in Spanish through SPAN 2202; or coursework in Arabic through ARBC 2201 (including, if available, relevant labs); or coursework in Chinese through CHIN 2201 (including, if available, relevant labs); (2) demonstrating oral *and* written intermediate-mid level proficiency (as defined by ACTFL) in Spanish, or any other Category I languages (according to the Foreign Service Institute); or oral *and* written intermediate-low level proficiency (as defined by ACTFL) in Arabic, Chinese, or any other language not considered a Category I language by the Foreign Service Institute (FSI); (3) completing two department-approved courses in linguistics (periodically offered); (4) completing two department-approved courses in linguistics, of which one must be at the 3000 or 4000 level.

Note: proficiency may *only* be assessed through formal, officially recognized exams (OPIc, STAMP, etc.). Placement exams may not be used to establish proficiency regardless of level. Language coursework does not count toward the 39 semester credit hours for the major. Linguistics coursework used to meet the Linguistics option requirement cannot also be counted towards the major.

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 meet

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various general education requirements: PHIL 2260 or 3355(3) and a history course; ECON 2101(3), ACCT 1111(4), PLSC 1102(3), MGT 1150(3), and a biology general education elective.

Requirements - Minor:

An English Language and Literature minor consists of at least 15 semester credit hours of courses at the 2000 level or higher with a grade of "C" or better, including LITR 2298 and 2299(6); one course from 2255(3), 2256(3), 2257(3) or 2258(3); and a minimum of 6 semester credit hours at the 3000 level or higher.

Requirements - Teaching License:

Students who desire to be licensed to teach English Language Arts at the secondary level (grades 9-12) are to declare themselves as English Language and Literature majors and Education minors and register with the Benedictine University Education program as teaching licensure candidates. Advising is then a joint responsibility of the Department of Languages and Literature and the School of Education.

Students must complete the requirements for a major in English Language and Literature as well as the requirements of the Teacher Licensure Program in Education, which includes the education minor (see Education [Elementary Education, Special Education and Minors in Education and Special Education] section).

Students who desire a Secondary Education minor 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, prerequisites for 3000 and 4000 level LITR courses may be waived with permission of the instructor and departmental approval. Students seeking a waiver of a prerequisite should consult their advisor for details. A Waiver of a Prerequisite for any 3000 or 4000 level course does not constitute a waiver of prerequisite for any other course, or of any course requirement for the major or minor.

Majors and minors only sections:

Selected 2000-level LITR courses may periodically be offered in a special format designed for English Language and Literature majors and minors only. Registration for these sections is restricted to majors and minors in English Language and Literature and, in some cases (to be indicated in the semester course schedule), in appropriate cognate programs approved by the department for that course (e.g. Gender Studies, Education, Communication Arts, Writing and Publishing, Film Studies). In semesters where a particular course is offered in both major and minor only and in regular formats, English Language and Literature majors and minors (and other eligible students, as stated above) will not be eligible to enroll in the non-major and minor only section.

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Sigma Tau Delta International English Honor Society

Eligible Benedictine University undergraduate students may apply for membership in the Alpha Theta Xi Chapter of the International English Honor Society, Sigma Tau Delta. Eligibility requirements are as follows:

- Candidates must have sophomore standing at Benedictine University.
- All inductees will be required to complete five hours of service related to the discipline each semester. Approval of service by the English Language and Literature faculty is required, as is formal verification of completion. Service may consist of on or off-campus experience.
- All candidates must have successfully completed a minimum of two college Literature/English courses at the 2000 level or above to be considered for membership in the society. Transfer courses can be submitted as evidence of completion, subject to approval by English Language and Literature program faculty.
- Candidates do not need to major or minor in English Language and Literature.
- Candidates must maintain a 3.300 GPA in English Language and Literature and a 3.000 overall GPA in order to remain eligible.

Eligibility of chapter members will be reviewed each semester to ensure that members are in good standing. There is a \$60.00 induction fee, which covers lifetime membership in Sigma Tau Delta. Membership benefits include opportunities for internships, writing awards, and participation in regional conferences and events. Members also receive a Certificate folder.

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Entrepreneurship

College: Daniel L. Goodwin College of Business

Department: Undergraduate Business

Student Type: Traditional Undergraduate

Degree: Bachelor of Business Administration

Faculty:

Deborah Cernauskas, Ph.D., M.S., M.B.A., Department Chair

Larissa Adamiec, Ph.D.

Rick Cali, M.B.A.

Jodi Houlihan, M.D.M.

Vicki Jobst, D.B.A., M.B.A., CPA

Todd Kelsey, Ph.D.

Rob Rebman, M.B.A., CPA

Objectives:

Students in the Bachelor of Business Administration in Entrepreneurship program will:

1. Learn essential theories, critical-thinking skills and real-world knowledge necessary to support their launch into careers as entrepreneurs or intrapreneurs (change agents within established, more traditional organizations).
2. Recognize their entrepreneurial potential.
3. Gain an understanding of the different ways entrepreneurship can manifest itself in different careers.
4. Recognize and evaluate business opportunities.
5. Become familiar with the importance of ethics when involved in entrepreneurial activities.

This program and major are designed to:

1. Prepare you for entry-level positions.
2. Enable you to start a business.
3. Enable you to perform effectively in professional and career positions in management.
4. 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

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4. The important functional areas of management; including human resources, operations management, organizational behavior and the management process of planning, implementation and control.

Requirements - Major:

Entrepreneurship majors must complete the University's Distribution Requirements, which are partially satisfied by an approved course in ethics (e.g. PHIL 2245, 2247, MGT 2252) and MATH 1105(3) or MATH 1110(3).

Majors must complete each of the business core courses with a "C" or better: ACCT 1111(3), 1112(3); BALT 2240(3); ECON 2101(3), 2102(3); FINA 2300(3); MKTG 2300(3); MGT 1150(3), MGT 2235(3); BALT 3301(3), MGT 3300(3) and MGT 4380(3).

Majors must complete with a "C" or better: MGT 3301(3); ENT 3310(3), ENT 4320(3), ENT 3330(3), ENT 4340(3); MKTG 3333(3), and MKTG 3347(3).

CLEP, life experience, work experience, internships, advanced placement and other external credit may substitute for major courses if approved by the department.

Entrepreneurship majors who elect to earn a second major in the Department of Undergraduate Business 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:

The Entrepreneurship minor is intended for traditional undergraduate students who are in a major outside of the Department of Undergraduate Business. Only courses in which a student has earned a "C" or better may be applied to the minor. Students are limited to one minor in the Accounting, Business and Economics, Business Analytics, Economics, Entrepreneurship, Finance, International Business and Economics, Management and Organizational Behavior, and Marketing programs. Students (except Bachelor of Arts in Management students) seeking a minor in Entrepreneurship must complete with a grade of "C" or better 15 semester credit hours which must include MGT 3300(3); MGT 3301; and at least three unique 3000-level or higher ENT courses. A student who majors in Entrepreneurship may not earn a minor in the Undergraduate Business Department.

Requirements - Concentration:

Concentrations in Business Analytics, Digital Marketing and Operations Management are available in combination with this major. Requirements listed below must be completed with a "C" or better.

Business Analytics: BALT 3310, BALT 4320, BALT 3330 and BALT 3370.

Digital Marketing: MKTG 3345, MKTG 3347, MKTG 3348 and MKTG 3349.

Operations Management: MGT 4333, BALT 4350, MGT 2235 and BALT 3325 or INTB 3340.

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Exercise and Sports Studies

College: College of Education and Health Services

Department: Education

Student Type: Traditional Undergraduate

Degree: Bachelor of Arts

Faculty:

Program Director: Marshall J. Milbrath, Ph.D.
Annmarie Chizewski, Ph.D.

Lecturers:

Regina Schurman, Ed.D.
Nicole Gorman, M.S.Ed.
LaMarr Magnus, M.S.
Nathan VanRaden, M.S., ATC, PES
Joel Bonnett, M.Ed.
Sterling Richards, M.S.
Sean Stochl, M.S., 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 Exercise and Sports Studies program provides:

1. Preparation for students who are interested in careers in athletics, strength/conditioning, personal training, fitness industry, and community health/fitness organizations such as YMCAs and park districts.
2. Skills needed to educate clients, children, and other community members in the areas of health, fitness and sport.
3. Latest technology in fitness assessment, tracking progress and attainment of fitness-related goals, and educational resources for health- and fitness-related topics.
4. Knowledge about sport activities, fitness activities, lifespan growth and development, sport psychology, and lifelong activity and its importance to today's society and culture.
5. Current technologies to find information, demonstrate understanding of problems, identify appropriate strategies and select proper tools to address problems.

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Requirements - Major:

Exercise and Sports Studies majors must pass the core courses and the following courses with a "C" or better. The Exercise and Sports Studies major must complete: BIOL 1155(4); CHEM 1101(3); BIOL 2206(4); MATH 1150(3); NUTR 2201(3); SES 2200(3), 4201(3), 2237(3), PHED 2249(3), 2260(2), SES 3261(3), 2270(3), 3299(2), 3302(3), 3303(3), 4310(3), 4399(4). Students must also complete the following:

- Either PHED 2240(2), OR PHED 2241(2)

- Three (3) semester credit hours of 1000-level activity courses

- Six (6) semester credit hours of PHED electives at the 2000 level or above

- Twelve (12) semester credit hours of PHED electives at the 3000 level

For students majoring in ESS with a strength and conditioning focus, seeking certification through the NSCA in CSCS, the following plan should be followed (passing all courses with a "C" or higher): BIOL 1155(4), CHEM 1101(3), BIOL 2206(4), MATH 1150(3), NUTR 2201(3), SES 1103(1), SES 1107(1), SES 1198(1), SES 2200(3), SES 4201(3), SES 2237(3), PHED 2260(2), SES 3261(3), SES 2270(3), SES 3299(2), SES 3302(3), SES 4313(3), SES 4314(3), SES 3355(3), SES 4399(4). Students must also complete the following:

- Either PHED 2240(2), OR PHED 2241(2)

- One (1) semester credit hours of 1000-level activity courses

- Six (6) semester credit hours of PHED electives at the 2000 level or above

- Six (6) semester credit hours of PHED electives at the 3000 level

For students majoring in ESS with a personal training focus seeking certification through the NSCA in CPT, the following plan should be followed (passing all courses with a "C" or higher): BIOL 1155(4), CHEM 1101(3), BIOL 2206(4), MATH 1150(3), NUTR 2201(3), SES 1103(1), SES 1107(1), PHED 197(1, no longer offered), SES 2200(3), SES 4201(3), SES 2237(3), PHED 2260(2), SES 3261(3), SES 2270(3), PHED 284(3), SES 3299(2), SES 3302(3), SES 4314(3), SES 3326(3), SES 4399(4). Students must also complete the following:

- Either PHED 2240(2), OR PHED 2241 (2)

- One (1) semester credit hours of 1000-level activity courses

- Six (6) semester credit hours of PHED electives at the 2000 level or above

- Six (6) semester credit hours of PHED electives at the 3000 level

Requirements - Other:

The 4+1 program offers a Bachelor of Arts in Exercise and Sports Studies in four years of full-time study and a Master of Science in Clinical Exercise Physiology 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: BIOL 1197(3), 1198(3), 3203(4), 3258(4), 5358(3), 5340(3), 5359(3); CHEM 1101(3), 1103(2), CHEM 1109(2); MATH 1150(3); NUTR 2201(3); SES 2000(3), 4201(3), 2237(3), 2249(3), 2260(3), 2270(2), 3299(2), 3302(3), 4310(3), 4399(3). Students must also complete the following:

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Two (2) semester credit hours of either PHED 2240 or PHED 2241

Two (2) semester credit hours of 1000-level activity courses

One (3) semester credit hours of SES electives at the 3000 level

In order to take BIOL 5340 and BIOL 5359 (graduate level courses), students must be admitted to the Clinical Exercise Physiology program. A GPA of 3.250/4.000 and application to Clinical Exercise Physiology program is required for admission consideration.

Finance

College: Daniel L. Goodwin College of Business

Department: Undergraduate Business

Student Type: Traditional Undergraduate and Adult Accelerated Undergraduate

Degree: Bachelor of Business Administration

Faculty:

Deborah Cernauskas, Ph.D., M.S., M.B.A., Department Chair

Larissa Adamiec, P.h.D.

Rick Cali, M.B.A.

Jodi Houlihan, M.D.M.

Vicki Jobst, D.B.A., M.B.A., CPA

Todd Kelsey, Ph.D.

Isobel Lobo, Ph.D.

Rob Rebman, M.B.A., CPA

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 finance; and
3. Prepare you for graduate and professional study in business or finance.

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 also offered through day classes and in time periods and formats that are designed for the needs of adult learners, offered through an evening cohort program.

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Requirements - Major:

Finance majors must complete the University's Distribution Requirements, which are partially satisfied by an approved course in ethics (e.g. PHIL 2245, 2247, MGT 2252) and MATH 1105(3) or 1110(3).

Majors must complete each of the business core courses with a "C" or better: ACCT 1111(3), 1112(3); BALT 2240(3) ECON 2101(3), 2102(3); FINA 2300(3); MKTG 2300(3), MGT 1150(3), MGT 2235(3); BALT 3301(3), MGT 3300(3) and MGT 4380(3).

Majors must complete with a "C" or better: FINA 3320(3), 4325(3), 3330(3), 3370(3), 4380(3), one additional 3000-level or higher FINA course and one 3000-level or higher BALT course.

CLEP, life experience, work experience, internships, advanced placement and other external credit may substitute for major courses if approved by the department.

Finance majors who elect to earn a second major in the Department of Undergraduate Business 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:

The Finance minor is intended for traditional undergraduate students who are not pursuing a Bachelor of Business Administration degree or are enrolled in a major outside of the Department of Undergraduate Business. Only courses in which a student has earned 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 Bachelor of Arts in Management students) seeking a minor in Finance must complete with a grade of "C" or better 15 semester credit hours which must include FINA 2300(3) and at least four 3000-level or higher FINA courses and their prerequisites. A Bachelor of Arts in Management student seeking a minor in Finance must complete with a grade of "C" or better the following courses and their prerequisites: FINA 2300, FINA 3310, FINA 3320, FINA 4380, and any two courses from ACCT 2211 and ACCT 2212 (for a financial analysts' emphasis) or FINA 3370 and ECON 2202 (for a banking emphasis). A student who majors in Finance may not earn a minor in the Undergraduate Business Department.

Requirements - Concentration:

Concentrations in Business Analytics, Digital Marketing, and Operations Management are available in combination with this major.

Requirements listed below must be completed with a "C" or better.

Business Analytics: BALT 3310, BALT 4320, BALT 3330 and BALT 3370.

Digital Marketing: MKTG 3345, MKTG 3347, MKTG 3348 and MKTG 3349.

Operations Management: MGT 4333, BALT 3325 or INTB 3340, BALT 4350 and MGT 2235.

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Fine Arts

College: College of Liberal Arts

Department: Art

Student Type: Traditional Undergraduate

Degree: Bachelor of Fine Arts

Faculty:

William Scarlato, M.F.A., Department Chair

Teresa Parker, M.F.A., Curator of the Art Collection

Adjunct Faculty:

David Marcet, M.F.A.

Jennifer Scavone, M.A.

Vince Lucarelli, B.A.

Karen Brooks, B.A.

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Objectives:

Benedictine University and College of DuPage have established a program to offer students who earn an Associate of Fine Arts degree from 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 College of DuPage 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;

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5. Prepare for continued study in a Master of Fine Arts program of their choosing and;
6. Prepare for an exhibition career and the life of an artist.

Requirements - Major:

Please refer to the 2016-17 Undergraduate Checklist for the Bachelor of Fine Arts with the College of DuPage Associate of Fine Arts for specific program requirements.

Requirements - Fine Arts Minor:

The University offers a Fine Arts minor with a requirement of 21 semester credit hours, with a grade of "C" or better. Required courses for a Fine Arts minor are: FNAR 1101(3), 2111(3), 2203(3), 2204(3), and one 2000-level studio arts elective from: any printmaking course (3), 2250(3), 3210(3), 2293(3), 2294(3), and two 3000-level arts courses. Note: Students are advised to take the courses in sequence, beginning with FNAR 1101 or FNAR 1111.

Food and Nutrition Management

College: College of Education and Health Services

Department: Nutrition

Student Type: Traditional Undergraduate

Degree: Bachelor of Arts

Faculty:

Catherine Arnold, Ed.D., RDN, LDN, Department Chair

Bonnie Beezhold, Ph.D., CHES

Karen Plawecki, Ph.D., RDN, LDN

Carrie Slezak, M.S., RDN, LDN

Paula Sochacki, M.P.H., Ed.D., RDN, LDN

Lecturers:

Lynn Dugan, M.S., RDN, LDN

Linda Roberts, M.S., RDN, LDN

Laurie Schubert, Ph.D., RDN, LDN

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Mission of the Food and Nutrition Management Major:

The undergraduate Food and Nutrition Management Major program provides and promotes a high-quality education for the preparation of competent future food and nutrition service management professionals. The program provides learners with evidence-based comprehensive knowledge and applications of food science, food sustainability, facility operations, and business management to promote the health and well-being of people served in hospitals, restaurants, and the food industry.

Food and Nutrition Management Major Student Learning Goals:

Upon completion of the B.A. in Food and Nutrition Management, the student will successfully:

1. Demonstrate knowledge and application of nutrition science in health and disease.
2. Apply sanitation and safety regulations.
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. Describe a sustainable food system and the interrelationships with public health, nutrition, the environment, equity, and society.

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6. Demonstrate application of education principles.
7. Demonstrate use of scientific information and research.
8. Demonstrate effective communication skills.
9. Develop teamwork, cultural competence, and critical thinking skills.

Requirements - Major:

The B.A. in Food and Nutrition Management major must complete 49 hours, with a "C" or better in: MATH/MGT 1150(3) or PSYC 2250(3); BIOL 1155(3); PSYC 1100(3); NUTR 1150(1), 3241(3), 3244(3), 2245(1), 3246(1), 2250(3), 4297(4), 2298(3), 3300(4), 4350(3), 2364(3) and 4392(2); HLED 3271(3); NUTR 2220(3) or 2280(3) ; and an ethics course (3).

Meeting the above major requirements also satisfies the following General Education requirements: Global, Sustainability, Engaged Learning, two NUTR Writing Intensive courses, QLS, QIO, and QCM. Note that a cumulative Benedictine University GPA of 2.5/4.0 is required for the off-campus practicum NUTR 4297(4).

A student pursuing a degree or major in Food and Nutrition Management cannot earn a degree or major in Nutrition and Dietetics. A student earning a B.A. in Food and Nutrition Management can also earn a major in Health Education and Promotion.

Students are encouraged to complete a minor in one of the areas of business, such as Business and Economics, Management and Organizational Behavior, or Sports Management. Students who pursue a business minor or double major are encouraged to explore the "4+1" option with graduate business programs at the university.

A student earning a B.A. in Food and Nutrition Management can also complete the requirements to earn a minor in Nutrition and Food Sciences.

Food Management Certification Information:

The Food and Nutrition Management major is designed to prepare students for positions such as managing a regional or national restaurant chain or franchise or overseeing contract food service operations at sports and entertainment complexes, school campuses, and institutional facilities. As part of this degree program, students are provided the opportunity to earn a certificate in Sanitation. Students interested in pursuing the external certifications of Certified Dietary Manager should consult with his or her advisor regarding choice of major electives. After gaining experience in the foodservice industry or specifically school foodservice, program graduates have the opportunity to become certified as Foodservice Management Professionals or School Nutrition Specialists, respectively.

Gender Studies (Minor Only)

College: College of Liberal Arts

Department: Interdisciplinary

Student Type: Traditional Undergraduate

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:

The gender studies minor consists of at least 15 semester credit hours of courses completed with a "C" or better from designated gender studies courses including GENS 1100(3). At least 6 semester credit hours at the 3000 level or above.

In addition to GENS 1100(3), Introduction to Gender Studies, other courses in the minor program include:

BIOL 1150(3) Biology of Women
HIST 2260(3) Women in American Society
HIST 2291(3) Topics: Comparative Women's History
LITR 2281(3) Gender and Literature
LITR 3305(3) Critical Theory
LITR 3362(3) Modern Literature
LITR 3381(3) Theories of Gender in Literary Analysis
SOCL 2234(3) Sociology of Sport
SOCL 2270(3) Marriage and the Family
SPAN 3395(3) Women in Latin American/Spanish Literature
THEO 2281/3381(3) Great Women Theologians

Some sections of IDS seminars may also be designated as approved for the minor. Please refer to the schedule of classes for details.

Global Studies (Minor Only)

College: College of Liberal Arts

Department: Interdisciplinary

Student Type: Traditional Undergraduate

Faculty:

Martin Tracey, Ph.D., Department Chair
Wilson Chen, Ph.D., Literature
Steven Day, Ph.D., Foreign Languages
Vincent Gaddis, Ph.D., History
Kaveh Hemmat, Ph.D., History
Joaquin Montero, Ph.D., Foreign Languages
Fannie Rushing, Ph.D., History
Beth Vinkler, 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 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, the Global Studies minor focuses on the social, economic, cultural and political processes that link disparate regions and localities to one another. Students in this minor 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 21st 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.

Requirements - Minor:

Students minoring in Global Studies must complete 15 semester credit hours to include GBLS 1101, 1102, and 2202, as well as 6 semester credit hours of program-approved courses at the 3000 level or above. Transferable credit toward the minor limited to 6 semester credit hours.

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Graphic Arts and Design

College: College of Liberal Arts

Department: Art

Student Type: Traditional Undergraduate

Degree: Bachelor of Arts

Faculty:

William Scarlato, M.F.A., Department Chair

Hai Ri Han, M.F.A.

Christopher Birks, M.A.

Luigi Manca, Ph.D.

Teresa Parker, M.F.A.

Pete Seely, M.A.

Senior Lecturers:

Vincent Lucarelli, B.A

David Marcet, M.F.A.

Jennifer Scavone, M.A

Lecturers:

Lynn Mackenzie, M.A.

Adjunct Faculty:

James Bulosan, M.A.A.T

Sue Davis, M.L.A.

Objectives:

The goals of the Graphic Arts and Design 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.

Major Requirements:

The Graphic Arts and Design major must complete each of the following courses with a grade of "C" or better: FNAR 1101(3) or FNAR 1105(3), FNAR 1103(3), FNAR 2111(3), FNAR 2203(3), FNAR 2204(3), FNAR 2293(3), GAD 2205(3), choice of one course from FNAR 1120(3) or FNAR 2294(3); GAD 2230(3), GAD 2260(3), GAD 3360(3), GAD 4300(3), COMM 3353(3), COMM 3381(3), GAD 4297(2-6), GAD 4393(3), one of the following art courses: FNAR 2240(3), FNAR 2241(3), FNAR 2242(3), FNAR 2243(3) or FNAR 2250(3).

Requirements for Minor programs:

Fine Arts: FNAR 1101(3), FNAR 2111(3), FNAR 2203(3), FNAR 2204(3), choice of one 2000-level Studio Art course, choice of two 3000-level Art courses.

Graphic Design: FNAR 2111(3), GAD 2205(3), GAD 2230(3), choice of one art history course, GAD 2260(3), choice of GAD 3360(3) or GAD 4300(3), GAD 4393(3).

Health Education and Promotion

College: College of Education and Health Services

Department: Nutrition

Student Type: Traditional Undergraduate

Degree: Bachelor of Arts

Faculty:

Catherine Arnold, M.S., Ed.D., RDN, LDN, Department Chair

Bonnie Beezhold, Ph.D., CHES

Karen Plawecki, Ph.D., RDN, LDN

Carrie Slezak, M.S., RDN, LDN

Paula Sochacki, M.P.H., Ed.D., RDN, LDN

Lecturers:

Laurie Schubert, Ph.D., RDN, LDN

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Mission of the Health Education and Promotion Major:

The undergraduate Health Education and Promotion Major Program provides and promotes a high-quality education for preparation of competent future health educators and leaders. Preparation includes development of evidence-based comprehensive knowledge and applications to assess community resources and needs, and to plan, implement, and evaluate health programs within diverse populations. Through education and engagement, this major fosters the development of sustainable health solutions and health equity to advocate and strengthen the health of local and global communities.

Health Education and Promotion Major Student Learning Goals:

Upon completion of the B.A. in Health Education and Promotion, the student will successfully:

1. Assess, plan, design, implement, administer, and evaluate health education and promotion programs.
2. Locate, interpret, and evaluate research related to health education and promotion.
3. Apply management theories in the administration of health education and promotion.
4. Communicate, promote, and advocate for health, health education and promotion, and the profession.

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5. Demonstrate effective oral and written communication skills.
6. Demonstrate critical-thinking skills.

Requirements - Major:

The B.A. in Health Education and Promotion major must complete 46 hours, with a grade of "C" or better in: BIOL 1155(3); PSYC 1100(3); PSYC 2250(3) or MGT/MATH 1150(3); HLED 3271(3), 3280(3), 3357(3), 4360(3), 3363(3), 4366(3), 4381(3), and 4394(3); and NUTR 3241(3), 3300(4), and 2364(3) and an ethics course (3).

Meeting the above major requirements also satisfies the following General Education requirements: Sustainability, Engaged Learning, two NUTR Writing Intensive courses, QCM, QLS and QIO.

A 2.800/4.000 cumulative Benedictine University GPA is required for maintenance and completion of the Health Education and Promotion program. This GPA is required to register for the following courses: HLED 4366 and 4381; the degree cannot be completed without these courses. If it is determined at any time that a student cannot complete the GPA requirements, the student will be required to change his or her major and seek academic advising outside of that program. Students can pursue an alternate major in the department (or another department), as well as reapply to pursue the Health Education and Promotion major if qualified in the future. There is no department specific application process for acceptance into this major; students can enter the program upon acceptance into the University or change their major at a later date by completing the university 'Change of Academic Plan' form. Permission to enroll in and/or completion of courses required for the Health Education and Promotion Major does not imply a waiver of this GPA requirement for graduation.

A student earning a B.A. in Health Education and Promotion can also complete a major in Nutrition and Dietetics, or Food and Nutrition Management programs.

A student earning a B.A. in Health Education and Promotion can complete the requirements to earn a minor in Nutrition and Food Sciences.

Health Education and Promotion Certification Information:

The Health Education and Promotion Major is designed to prepare students to pursue the Certified Health Education Specialist (CHES) certification, which grants certification to qualified individuals. The CHES examination is offered through the National Commission for Health Education Credentialing, Inc. (NCHEC – nchech.org).

Health Educators foster awareness of positive health behaviors and promote behavior change for health promotion and disease risk reduction. The Health Education and Promotion major provides students with the knowledge and practice of skills to assess, create, plan, implement, monitor, and evaluate programs designed to promote, maintain, and improve the health of individuals, groups, and communities, as well as impact environments and policies. Students learn to coordinate the provision of health education services and act as resources during field experiences, communicating needs, concerns, and resources. This major provides a unique focus on nutrition for risk reduction.

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Affiliation with Graduate Program:

As part of the requirements of the Health Education and Promotion major, students complete two graduate courses from the Master of Public Health (MPH) department and one from the master degree in Nutrition and Wellness, which may count towards graduate school requirements at the university. With careful planning of the undergraduate course sequence, the Health Education and Promotion major offers the student the possibility of completing additional select cross-listed courses to meet a couple more of the requirements of the graduate program while an undergraduate student. Only students with senior standing (by credits completed) and cumulative Benedictine University GPA of at least 3.000/4.000 are allowed to take these cross-listed courses. Space in these cross-listed courses is limited. Permission to enroll in and/or completion of cross-listed graduate courses does not imply acceptance into the graduate program. Admission to the graduate program is not automatic; the student must meet graduate program requirements and complete the application process.

Health Science

College: College of Science

Department: Biological Sciences

Student Type: Traditional Undergraduate

Degree: Bachelor of Science

Faculty:

Lee Ann Smith, Ph.D., Department Chair
Preston Aldrich, Ph.D.
William Carvell, Ph.D.
James Fackenthal, Ph.D.
Ian Hall, Ph.D.
Leigh Anne Harden, Ph.D.
Cheryl A. Heinz, Ph.D.
Robert C. McCarthy, Ph.D.
Tiara Perez Morales, Ph.D.
Philip Novack-Gottshall, Ph.D.
Mark Poch, Ph.D.
Jayashree Sarathy, Ph.D.
Monica Lee Tischler, Ph.D.
Allison K. Wilson, Ph.D.
Fr. Edmund J. Jurica, O.S.B., Ph.D., Professor Emeritus†
Alfred R. Martin, Ph.D. Professor Emeritus
Fr. Hilary S. Jurica, O.S.B., Ph.D., Professor Emeritus†
John Mickus, Ph.D., Professor Emeritus
Rev. Theodore D. Suchy, O.S.B., M.S., Professor Emeritus†

Program Director, Pre-professional Health Programs:

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

Lecturers:

Pat Blaney, D.D.S.
Qiaoya Chen, Ph.D.
Thomas Cornwell, M.D.
Dominic Costabile, D.O.
Jenna Eisenberg, D.C.
Peter Gallos, D.D.S.
Kathryn Kennedy, D.D.S.
Tom Knutson, M.S.
Sharon Luckhardt, O.D.

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David Maze, O.D.
Manjari Mishra, Ph.D.
Greg Munie, Ph.D.
Daniel Olson, Ed.D.
Scott Padalik, M.D.
David Piazza, M.D.
Leonard Piazza, M.D.
Roli Prasad, Ph.D.
Adam Reimel, M.S.
Stephen Rowley, M.D.
Jeffery Samburg, M.S. CES
Brian Saso, M.S.
Nancy Schubert, D.O.
William Schubert, Ph.D.
Regina Schurman, Ed.D., RCEP, CPA
Anne Marie Smith, M.S.
Greg Stevens, D.M.D.
Sarah Ware, Ph.D.
Daryl Wilson, M.D.
Dave Zanghi, M.S., MBA, ATC/L, CSCS, FFACVPR

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The Biological Sciences program, which includes the B.S. in Health Science major, has the following program goals:

1. Teach and assess student learning of the foundational biological concepts of evolution, information flow, structure/function, transformations of energy and matter, and systems at the molecular/cellular, physiological and ecological levels.
2. Teach and assess student learning of core competencies in biological sciences, including the process of science, quantitative reasoning, modeling and simulation, the interdisciplinary nature of science, communication and collaboration, and understanding the relationship between science and society.
3. Foster Scientific literacy for students outside of the Health Science major by offering compelling life science courses that engage students in critical-thinking, consideration of stewardship issues and scientific reasoning.

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.

Progression in the Health Sciences program:

Progression in the Biological Sciences Programs (B.S. in Biology or Health Sciences, B.A. in Biology): A student in either Biology major (B.S. or B.A.) must complete BIOL 1197, BIOL 1198, CHEM 1113, CHEM 1123 with a grade of "C" or better in each of these courses and receiving no more than a total of three "W," "D," or "F" grades in these courses. The entire introductory sequence of BIOL 1197, BIOL 1198, CHEM 1113, and CHEM 1123 must be completed prior to taking any 2000-level courses in BIOL. A transfer student must meet these requirements through equivalent transfer courses. Transfer students must complete their first two semesters with no more than two "W," "D," or "F" grades in College of Science lecture courses in the degree program.

If it is determined at any time that a student cannot continue in the Biology program or cannot graduate with a Biology degree, the student will be required to change their major and seek academic advising outside of that program.

Requirements - Major:

The minimum Health Science major requirements consist of 68 semester credit hours of coursework completed with grades of "C" or better. The health science major must complete: BIOL 1197(3) or 2297(4), 1198(3), 1199(1), 3203(4), 3208(4), 2229(3), 2250(3), 3258(4), 4340(3) CHEM 1113(3), 1114(1), 1123(3), 1124(1), 2242(3), 2243(1), 2247(3), 2248(1), 3261(3) or 4361(3); PHYS 1113(3), 1114(1), 1118(3), 1119(1); MATH 1111(3) or proficiency in MATH 1111 or higher; 9 semester credit hours of natural science electives at the 2000 level or above, including 5 semester credit hours at the 3000 level. Research in any College of Science department does not count toward the 3000 level requirement. CHEM 4361 is considered a 4000-level course, but not a science elective in this major. All Health Science majors are required to take the capstone writing intensive course, BIOL 4393(1) or BIOL 4394(1).

Practicum is considered a science elective and is strongly encouraged for students intending to attend professional schools. Approved Nutrition electives are: NUTR 2200(3) or 3241(3), 341(3, no longer offered), 4345(3), 4371(4) and selected 4390(1-3). We encourage students to further their learning by assisting in labs. However, only two credits in BIOL 2292, CHEM 2295 and PHYS 2296 will count toward the Health Science major.

Transfer students who earn transfer credit for BIOL 1197, 1198 and 1199 are required to take BIOL 2299(1). BIOL 2299 will count as a 2000-level credit in the major. BIOL 3389 and other 3000-level College of Science research classes do not count toward elective credit in the Health Sciences 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.

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History

College: College of Liberal Arts

Department: History, Philosophy and Theology

Student Type: Traditional Undergraduate

Degree: Bachelor of Arts

Faculty:

Martin Tracey, Ph.D., Department Chair

Vincent Gaddis, Ph.D.

Kaveh Hemmat, Ph.D.

Susan Mikula, Ph.D.

Fannie Rushing, Ph.D.

Lecturers:

Coral Carlson, Ph.D.

Jilana Ordman, Ph.D.

Robert Sampson, 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:

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 History majors is designed to:

1. Develop your understanding of western civilization, both European and American;

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2. Acquaint you 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 with a grade of "C" or better at least 36 semester credit hours of History courses. At least 18 semester credit hours must be at the 3000 level or above, of which at least 6 semester credit hours must be at the 4000 level or above. The 36 semester credit hours must include HIST 2203(3), and 4399(3) as well as any two of the following: HIST 1111(3), HIST 1112(3), HIST 1141(3), or HIST 1142(3). In courses above 2203(3), students must take at least one course each in American, European and World history respectively. History majors are required to demonstrate competency in a foreign language either by completion of at least one foreign language course at or above the 2202 level or through results from department-approved testing that show a comparable or superior level of proficiency.

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."

Requirements - Minor:

Students minoring in History must complete with a grade of "C" or better at least 15 semester credit hours of History courses. The 15 semester credit hours must include HIST 2203(3) and any two of the following: HIST 1111(3), HIST 1112(3), HIST 1141(3) or HIST 1142(3). At least 6 semester credit hours must be at the 3000 level or above. Transferable credit toward the minor limited to 6 credit hours.

Intensive English Program (IEP)

College: College of Liberal Arts

Department: Languages and Literature

Student Type: International, preparing to enter traditional undergraduate programs

Objectives:

The IEP is designed to provide a clear pathway to a degree for international students who do not yet meet Benedictine University's English proficiency admission requirements. The program is typically completed in two semesters, but this varies depending on the student's proficiency in English. The first semester provides students with 20 hours per week of intensive instruction in academic English and study skills, as well as familiarizes them with the U.S. academic culture. The second semester combines intensive English instruction with opportunities to take general education or major courses and earn credit toward a degree at Benedictine University.

Student Learning Outcomes:

At the end of the program, students will demonstrate a level of academic English proficiency equivalent to that required for admissions to Benedictine University and will have the skills necessary to succeed in U.S. higher education settings.

Admission into the program:

- 46 TOEFL iBT (450 paper-based) or 5.5 IELTS (official test score reports required)
- New students are admitted in Fall and Spring

IEP course sequence

- All classes are limited to 15 students
- Semester I and II courses are offered in both Fall and Spring terms
- College credit for Semester II courses
- Students are given the Institutional TOEFL (TOEFL ITP) at the end of each semester

Semester I

Course Title	Contact Hours/Week	Credit Toward Degree?
Reading for College Success I	4	No
Academic Writing I	4	No
Grammar I	4	No
Listening and Speaking	4	No
Culture and Communication	2	No
Study Skills and Test-Taking Strategies	2	No
Total	20	

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- Students who fail to achieve grades of C or better in all courses, regardless of their TOEFL ITP score, are required to repeat the semester. Those who fail to achieve grades of C or better in all courses for the second time are dismissed.
- TOEFL ITP score of ≥ 550 ; grades of C or better in all courses → regular degree program
- TOEFL ITP Score of < 550 ; grades of C or better in all courses → IEP Semester II

Semester II

Course Title	Contact Hours/Week	Credit Toward Degree?
Reading for College Success II	4	Yes
Academic Writing II	4	Yes
Grammar II	4	Yes
Academic course of student's choice*	3	Yes
Academic course of student's choice*	3	Yes
Total	18**	18 hours toward degree

* The course may satisfy Distribution Requirements or major requirements. Students will choose courses in consultation with IEP faculty and their academic advisor. Students take either one or two academic courses, depending on their English proficiency level.

**Additional listening and speaking practice may be required for some students.

- Students who fail to achieve grades of C or better in all courses, regardless of their TOEFL ITP score, are required to repeat the semester. Those who fail to achieve grades of C or better in all courses for the second time are dismissed.
- TOEFL ITP score of ≥ 550 ; grades of C or better in all courses **OR** score of < 550 ; grades of B or better in all courses → regular degree program, no restrictions
- TOEFL ITP score of < 550 ; grades of C or better in all courses → regular degree program, but must take ADU 1101: Introduction to Academic Discourse and ADU 1102: Success in the American Classroom during the first year (ADU courses are credit-bearing, 3-hour courses). No WRIT 1101 in the first semester; afterward, WRIT 1101 SA, SL, LA, or AD (Structured Learning Assistance sections) recommended.

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International Business and Economics

College: Daniel L. Goodwin College of Business

Department: International Business and Economics

Student Type: Traditional Undergraduate

Degree: Bachelor of Arts

Faculty:

J. Timothy Goines, Ph.D., Department Chair

Isobel Lobo, Ph.D. Professor

Florina Salaghe, Ph.D. Assistant Professor

Margaret Roth, Ph.D., Professor Emerita

Soyon Lee, Ph.D., CPA, Professor Emeritus

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 multinational 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.

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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.

Study Abroad Requirements: To ensure an international experience for International Business and Economics majors, the International Business and Economics degree will require students to participate in a study abroad (short-term faculty led, semester or year-long) program.

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's Distribution Requirements, which are partially satisfied by an approved course in ethics (e.g. PHIL 2245, 2247, MGT 2252) and MATH 1105(3) or 1110(3). International Business and Economics majors must complete with a grade of "C" or better the following courses: ACCT 1111(3), BALT 2240 (3), MGT 1150 (3), MGT 2235 (3), MGT 2252(3), ECON 2101(3), ECON 2102(3), ECON 2202(3), INTB 3300(3), INTB 4380(3), one 3000-level INTB course (3); one 3000-level course (3) and one 4000-level department approved course from INTB, ECON, FINA, MGT, or MKTG and 27 semester credit hours of approved electives of international focus by the department of which 6 semester credit hours must be at 3000-level or higher.

These 27 semester credit hours of electives must consist of: 18 semester credit hours of modern language and/or cultural studies, 3 semester credit hours of history, 6 semester credit hours of political science with a minimum of two courses (6 hours) taken at a level of 3000 or higher coursework. These courses must have an international focus and be approved by the program faculty.

CLEP, life experience, work experience, and advanced placement may substitute for major courses if approved by the department.

An internship may substitute for one 3000-level course with the approval of the department chair.

A student may have only one major in the Accounting, Business and Economics, Economics, Entrepreneurship, Finance, Health Administration, Human Resource Management, 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, Entrepreneurship, Finance, Health Administration, Human Resource Management, Management and Organizational Behavior, or Marketing. Please see program requirements for each of these minors.

ASIAN STUDIES CONCENTRATION:

International Business and Economics majors must complete the University's General Education requirements. In addition, majors must complete with a grade of "C" or better the following courses,

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some of which fulfill core requirements: CHIN 1101, 1102, 2201, 2202, two additional Chinese language or Asian cultural studies courses, 3 semester credit hours of Asian history, 6 semester credit hours of political science*, 3 semester credit hours of anthropology/sociology*, and ECON 2101(3) and 2102(3). In addition, the following program courses must be completed with a grade of "C" or better: MGT 1150(3), ECON 2202(3), ACCT 1111(3), INTB 4380(3); and at least three 3000-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 and one 4000-level INTB course. Students will be required to do a study abroad in Asia.

LATIN AMERICAN STUDIES CONCENTRATION:

International Business and Economics majors must complete the University's core requirements. In addition, majors must complete with a grade of "C" or better the following courses, some of which fulfill core requirements: SPAN 1101, 1102, 2201, 2202, two additional Spanish language or Latin American cultural studies courses, 3 semester credit hours of Latin American history, 6 semester credit hours of political science*, 3 semester credit hours of anthropology/sociology*, and ECON 2101(3) and 2102(3). In addition, the following program courses must be completed with a grade of "C" or better: MGT 1150(3), ECON 2202(3), ACCT 1111(3), INTB 4380(3); and at least three 3000-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 and one 4000-level INTB course. Students will be required to do a study abroad in Latin America.

MIDDLE EASTERN STUDIES CONCENTRATION:

International Business and Economics majors must complete the University's core requirements. In addition, majors must complete with a grade of "C" or better the following courses, some of which fulfill core requirements: ARBC 1101, 1102, 2201, 2202, two additional Arabic language or Middle East cultural studies courses, 3 semester credit hours of Middle East history, 6 semester credit hours of political science*, 3 semester credit hours of anthropology/sociology*, and ECON 2101(3) and 2102(3). In addition, the following program courses must be completed with a grade of "C" or better: MGT 1150(3), ECON 2202(3), ACCT 1111(3), INTB 4380(3); and at least three 3000-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 and one 4000-level course. Students will be required to do a study abroad in the Middle East.

Requirements - Minor:

Students seeking a minor in International Business and Economics must complete with a grade of "C" or better 21 semester credit hours which must include ECON 2101(3), 2102(3), and either ECON 2202(3) or INTB 4380(3); and at least two 3000-level courses in international business; one 2000- or 3000-level anthropology* course; and one political science* or history* course.

Students with majors in Accounting, Business Analytics, Business and Economics, Business with Science Applications, Entrepreneurship, Finance, Human Resource Management, Management and Organizational Behavior or Marketing seeking an International Business and Economics minor must complete with a grade of "C" or better 21 semester credit hours which must include: three 3000-level courses in International Business beyond the requirements for the major program, INTB 4380 and

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three courses from cultural studies, anthropology*, political science* or history* beyond the core requirements.

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

Requirements - Other:

The study abroad experience may be a short-term, faculty-led study tour, a semester or year-long (Fall, Spring or Summer) abroad at a foreign university, a mission trip or a business internship abroad.

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 the major in International Business and Economics at Benedictine University offer?

The International Business and Economics major offers you a combination of 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; and 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 earn credit for the coursework they complete. Benedictine University has exchange programs with universities in Bolivia, China, South Korea, Taiwan, Mexico, Japan, Denmark, Spain and France. Benedictine also has agreements with several third-party providers. 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 United States at an accelerated rate. Jobs in government agencies and nonprofit 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.

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Management (Bachelor of Arts)

College: Daniel L. Goodwin College of Business

Department: Undergraduate Business

Student Type: Adult Accelerated Undergraduate

Faculty:

Deborah Cernauskas, Ph.D., M.S., M.B.A., Department Chair

Larissa Adamiec, Ph.D.

Rick Cali, M.B.A.

Sandra Gill, Ph.D.

Jodi Houlihan, M.D.M.

Vicki Jobst, D.B.A., M.B.A., CPA

Todd Kelsey, Ph.D.

Rob Rebman, M.B.A., CPA

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, business analytics and marketing, in an integrated manner and with adequate focus on strategic management.

The Management major is offered in cohort/blended programs through evening classes, as well as in a fully online format. These options provide time periods and formats designed for the needs of adult learners. Management students must complete a minimum of 120 semester credit hours for degree completion.

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Requirements - Major

Management majors must complete the University's General Education requirements which are partially satisfied by: MGT 2252 Business Ethics or one Distribution Requirement Philosophical course in ethics; PSYC 1100; and MATH 1105(3) or MATH 1110(3).

Management majors must complete each of the business core courses with a "C" or better: ACCT 1111(3), 1112(3); ECON 2101(3), 2102(3); FINA 2300(3), MKTG 2300(3), MGT 1150(3), MGT 2235 (3), BALT 2240(3), BALT 3301(3), MGT 3300(3) and MGT 4380(3) or 4387(3).

Management majors must also complete the following major courses with a grade of "C" or better: MGT 2217 or a department approved 2000 level MGT elective, 3000 level INTB course (suggested 3302), MGT 4320(3), MGT 2237(3), MGT 4320(3), MGT 4333(3) and two 3000 or higher level electives (recommended MGT 4330(3), MGT 3347(3), MGT 3303(3), or MGT3 3323 (3)).

Students in the Management major may need to meet additional requirements pursuant to agreements with other institutions and may need additional elective hours to meet the University's 120 credit hour minimum.

Work/Life Experience Credits

General elective credit hours may be demonstrated through the Prior Learning Assessment (PLA) program by the submission and approval of a Work/Life Experience portfolio. Students need to complete all of the requirements of the PLA program within one year of starting their degree program. The maximum number of credits that may be obtained through work/life experience is 18 semester credit hours.

Concentrations

For Management students, optional concentrations provide an opportunity to expand knowledge in different areas. Each concentration is composed of four courses for a total of 12 semester credit hours of credit. In order to qualify for a concentration, a grade of "C" or better must be obtained for each course. The following three concentrations are available:

- The Human Resources Management concentration requires completion of the following courses: MGT 2262(3), MGT 2264(3), MGT 2266(3) and MGT 2270(3). It is recommended that students complete MGT 4330 prior to taking the concentration courses.
- The Marketing concentration requires completion of the following courses: MKTG 3310(3), MKTG 4330(3), MKTG 3331(3) and MKTG 4350(3).
- The Digital Marketing for Working Professionals concentration requires completion of the following courses: MKTG 2241(3), MKTG 2242(3), MKTG 2243(3) and MKTG 2244(3).

Management and Organizational Behavior

College: Daniel L. Goodwin College of Business

Department: Undergraduate Business

Student Type: Traditional Undergraduate and Adult Accelerated Undergraduate

Degree: Bachelor of Business Administration

Faculty:

Deborah Cernauskas, Ph.D., M.S., M.B.A., Department Chair

Larissa Adamiec, Ph.D.

Rick Cali, M.B.A.

Sandra Gill, Ph.D.

Jodi Houlihan, M.D.M.

Vicki Jobst, D.B.A., M.B.A., CPA

Todd Kelsey, Ph.D.

Rob Rebman, M.B.A., CPA

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.

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Requirements - Major:

Management and Organizational Behavior majors must complete the University's Distribution Requirements, which are partially satisfied by an approved course in ethics (e.g. PHIL 2245, 2247, MGT 2252) and MATH 1105(3) or MATH 1110(3)

Majors must complete each of the business core courses with a "C" or better: ACCT 1111(3), ACCT 1112(3); BALT 2240(3), ECON 2101(3), ECON 2102(3); FINA 2300(3); MKTG 2300(3); MGT 1150(3), MGT 2235(3), BALT 3301(3), MGT 3300(3) and MGT 4380(3).

Majors must complete with a "C" or better: MGT 3301(3), 4320(3), 4330(3) and 4333(3). Additionally, majors must complete with a "C" or better two 300-level MGT courses and one 3000-level BALT course.

CLEP, life experience, work experience, internships, advanced placement and other external credit may substitute for major courses if approved by the department.

Management and Organizational Behavior majors who elect to earn a second major in the Department of Undergraduate Business 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:

The Management and Organization Behavior minor is intended for traditional undergraduate students who are not pursuing a Bachelor of Business Administration degree or are enrolled in a major outside of the Department of Undergraduate Business. Only courses in which a student has earned 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 Bachelor of Arts in Management students) seeking a minor in Management and Organizational Behavior must complete with a grade of "C" or better 15 semester credit hours which must include MGT 3300(3) and at least four unique 3000-level or higher courses in Management and their prerequisites. A Management student may not minor in Management and Organizational Behavior. A student who majors in Management and Organizational Behavior may not earn a minor in the Undergraduate Business Department.

Requirements - Concentration:

Management and Organizational Behavior majors must select a concentration. Concentrations in Business Analytics, Digital Marketing, and Operations Management are available in combination with this major. Requirements listed below must be completed with a "C" or better.

Business Analytics: BALT 3310, BALT 4320, BALT 3330 and BALT 3370.

Digital Marketing: MKTG 3345, MKTG 3347, MKTG 3348 and MKTG 3349.

Operations Management: MGT 4333, BALT 4350, BALT 3325 or INTB 3340 and MGT 2235.

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Marketing

College: Daniel L. Goodwin College of Business

Department: Undergraduate Business

Student Type: Traditional Undergraduate

Degree: Bachelor of Business Administration

Faculty:

Deborah Cernauskas, Ph.D., M.S., M.B.A., Department Chair

Larissa Adamiec, Ph.D.

Rick Cali, M.B.A.

Jodi Houlihan, M.D.M.

Vicki Jobst, D.B.A., M.B.A., CPA

Todd Kelsey, Ph.D.

Rob Rebman, M.B.A., CPA

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 marketing/management; and
3. Prepare you for graduate and professional study in business or marketing/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.

Requirements - Major:

Marketing majors must complete the University's Distribution Requirements, which are partially

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satisfied by an approved course in ethics (e.g. PHIL 2245, 2247, MGT 2252) and MATH 1105(3) or MATH 1110(3).

Majors must complete each of the business core courses with a "C" or better: ACCT 1111(3), 1112(3); BALT 2240(3); ECON 2101(3), 2102(3); FINA 2300(3); MKTG 2300(3); MGT 1150(3), MGT 2235(3), BALT 3301(3), MGT 3300(3) and MGT 4380(3).

Majors must complete with a "C" or better: MKTG 3310(3), 4330(3), 3360(3), 4380(3); and two additional 3000-level MKTG courses and one 3000-level BALT course.

Students in a second major program 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 may substitute for major courses if approved by the department.

Marketing majors who elect to earn a second major in the Department of Undergraduate Business 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:

The Marketing minor is intended for traditional undergraduate students who are not pursuing a Bachelor of Business Administration degree or are enrolled in a major outside of the Department of Undergraduate Business. Only courses in which a student has earned a "C" or better may be applied to the minor. Students are limited to one minor in Accounting, Business and Economics, Finance, Management and Organizational Behavior, or Marketing. Students who are seeking a minor in Marketing must complete with a grade of "C" or better, 15 semester credit hours, which must include MKTG 2300(3) and at least four unique 3000-level courses in Marketing and their prerequisites. A student who majors in Marketing may not earn a minor in the Department of Undergraduate Business.

Requirements - Concentration:

Concentrations in Business Analytics, Digital Marketing, and Operations Management are available in combination with this major. Requirements listed below must be completed with a "C" or better.

Business Analytics: BALT 3310, BALT 4320, BALT 3330 and BALT 3370.

Digital Marketing: MKGT 3345, MKTG 3347, MKTG 3348 and MKTG 3349.

Operations Management: MGT 4333, BALT 4350, BALT 3325 or INTB 3340 and MGT 2235.

Only students who major in Accounting, Business and Economics, Entrepreneurship, Finance, Human Resource Management, Marketing or Management and Organizational Behavior may complete the concentration.

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Mathematics

College: College of Science

Department: Mathematical and Computational Sciences

Student Type: Traditional Undergraduate

Degree: Bachelor of Science

Faculty:

Ellen Ziliak, Ph.D., Department Chair

Timothy Comar, Ph.D.

Anthony DeLegge, Ph.D.

Manmohan Kaur, Ph.D.

Jeremy Nadolski, Ph.D.,

Thomas Wangler, Ph.D.

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

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

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

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

Lecturers:

Marian Flattum, M.S.

Hillary Holecek, M.S.

Ken Leszczynski, M.S.

Chris Nelson, M.S.

Kathleen Ramsey, M.A.

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

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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:

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 actuarial scientists, as high school or college teachers or careers in industry that use quantitative skills of which there are

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several options including mathematical analysts, market research analyst, and operations research.

Progression in the Mathematics Program:

To progress in the Mathematics program students must complete the introductory sequence of MATH 2210, 2211, 2212 with a GPA of 2.500 or above and a grade of "C" or better in each of these courses. A transfer student must meet these requirements through equivalent transfer courses. Additionally, a transfer student must earn a GPA of 2.500 or above in all major classes (excluding labs) during the first semester at Benedictine in order to progress in the Mathematics program.

If it is determined at any time that a student cannot progress in the Mathematics program or cannot graduate with a Mathematics degree, the student will be required to change his or her major and seek academic advising outside of that program.

Requirements - Major:

Students seeking a major in Mathematics must complete, with a grade of "C" or better, a minimum of 37 semester credit hours of mathematics coursework at the 2000 level or above, including MATH 2200(4) or 2210(5), 2211(4), 2212(4), 2240(4), 2260(4), 3300(3), 4331(3), 4341(3), and 9 more semester credit hours at the 3000 level or above. This coursework must include one sequence from the following: 4331-4332, 4341-4342, 2260-3361, 3310-3350 or 3371-4373. 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. Students will also complete the following cognates in Computer Science: CMSC 1180(2), CMSC 1185(2) or CMSC 2200(3) and CMSC 1182(1). MATH 3399(3-6), Internship, does not count as 3000-level coursework. MATH 3397(1-3), Mathematical Research, will count for 3000-level coursework up to a maximum of 3 semester credit hours after the student has completed 15 semester credit hours at the 3000 level. Students must also take a 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 better, at least 21 semester credit hours of mathematics coursework at the 2000 level or above, including 6 semester credit hours at the 3000 level. MATH 3399 does not count as 3000-level coursework. MATH 3397 can be counted toward the 21 semester credit hours, but only if the student has 6 semester credit hours of mathematics coursework at the 3000 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 3370(3), 3371(3), 4373(3), ECON 2101(3), 2102(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 their sophomore or junior year. It is strongly recommended that students pass the first two actuarial exams (Probability and Financial Mathematics) before graduation.

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Requirements - Teaching License:

Students who desire to be licensed to teach mathematics at the secondary level (grades 9-12) are to declare themselves as Mathematics majors and Education minors and register with the Benedictine University Education Program as teaching licensure candidates. Advising is then a joint responsibility of the Department of Mathematics and the School of Education. Students must complete MATH 3310(3), 3312(3), 3371(3) and 4373(3) as part of the major requirements and CMSC 1180(2) and CMSC 1185(2) in addition to the other course requirements for a major in Mathematics. Education minors do not need to meet the CMSC 1182(1) or CMSC 1184(1) requirement. Students must also complete the requirements of the Teacher Licensure Program in Education which includes the Education minor (See Education [Elementary Education, Special Education and Minors in Education and Special Education] section).

Music

College: College of Liberal Arts

Department: Music

Student Type: Traditional Undergraduate

Degree: Bachelor of Arts

Faculty:

Luis E. Loubriel, D.M.A., Department Chair

Belford Hernandez, M.M.E.

Allen R. Legutki, Ph.D.

Lecturers:

Jeremiah Benham, M.M.

Ricardo Castaneda, M.M.

Jue He, D.M.

Patrick Infusino

Christa Krause, D.M.A.

Br. Augustine Mallak, O.S.B.

Fr. John Moulder, M.M.

Victoria VerHoven, M.M.

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

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Objectives:

The music program and its courses are designed to:

1. Provide a strong foundation in music theory, aural skills, performance, music history, literature, technology and education.
2. Provide opportunities to better understand and appreciate various kinds of music and their relationships to culture, education and history;
3. 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, and in which their skills can be of use to themselves and to society;
4. Provide an environment – through well-defined course offerings and nationally and internationally known music faculty – that guides the learning process and improves students'

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

5. Develop a mastery of performance practice through ensemble experiences;
6. Develop a closer association with the audience and an increased understanding of the impact their music-making has on the community;
7. Create 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 49 semester credit hours in music courses in performance, history, and theory. Required major and cognate courses are:

1. MUSI 1101 Music Theory I (3); MUSI 1102 Music Theory II (3); MUSI 1112 Aural Skills I (1); MUSI 1113 Aural Skills II (1); MUSI 1194 Keyboard Skills I (1); MUSI 1195 Keyboard Skills II (1); MUSI 2201 Music Theory III (3); MUSI 2202 Music Theory IV (3); MUSI 3205 Music History I (3); MUSI 3206 Music History II (3); MUSI 3303 Technology for Music Teachers (3); MUSI 4350 Senior Recital (2); MUSI 4365 Senior Seminar (0); MUSI 4397 Internship (2-6).
2. 6 semester credit hours Ensemble Requirement from the following; MUSI 1121 Concert Band; MUSI 1122 Concert Choir; MUSI 1128 Jazz Ensemble or MUSIC 1129 Chamber Orchestra (6). (Must be completed at Benedictine University).
3. Students must complete at least 6 semester credit hours in a secondary language.
4. 4 semester credit hours of 3000 level Applied Music.
5. 2 semester credit hours of 4000 level Applied Music.
6. 13 elective semester credit hours must be completed outside of the Department of Music.

Requirements - Minor:

Music minors are required to:

1. Audition for the department to show competencies in solo performance, scales and sight-reading;
 2. Take MUSI 1101 and MUSI 1112 during the first fall semester;
 3. Perform a music jury each semester.
1. Minor in Music (23 semester credit hours): 4 semester credit hours of 3000 or 4000 Applied music courses – must be continuously enrolled prior to MUSI 4250, MUSI 1101 Music Theory I (3), MUSI 1112 Aural Skills I (1), MUSI 2204 Music Literature (1), MUSI 3205 Music History I (3), MUSI 3206 Music History II (3), MUSI 3000 elective (3), Ensembles (4 semesters minimum), MUSI 4250 – Junior Recital (1) and MUSI 4365 Senior Portfolio (0).

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Nursing

College: College of Education and Health Services

Department: Nursing and Health

Student Type: Adult Accelerated Undergraduate

Degree: Bachelor of Science in Nursing

Faculty:

Joan Libner, Ed.D., M.S.N., FRE, RN-BC, CNE, Chair
Valerie Ellinger, M.S.N., RN, RN to BSN Clinical Coordinator
Masoud Ghaffari, PhD, RN, MT
Deborah Jezuit, Ph.D., RN
Margaret Kipta, DNP, RN, FNP-BC, CRNA
Gina Panozzo, DNP, RN-BC, CNE
Ethel C. Ragland, Ed.D., M.N., RN, Professor Emeritus
Margaret Richey, Ed.D., M.S.N., RN
Alison Ridge, D.N.P., M.S.N., RN, CNE, M.S.N. Program Director
Elizabeth Ritt, Ed.D., M.S.N., RN, CNE, NEA-BC
Margaret Young, M.S.N., RN, CPHQ, CPPS, RN to BSN Program Director

Lecturers:

Patricia Brown, D.N.P., APN, CNS, CCRN-K
Mercy Chirpich, D.N.P, RN
Jeffrey Coleman, M.S.N., RN, CMSRN, CNML
Cheryl Davis, D.N.P., RN
Martha Hann, M.S.N., RN
Julianne Herrmann, M.S.N., RN
Laura Holland, M.S.N., RN, CNE
Susan Hovey, Ph.D., M.S.N., RN
Simi Jest Joseph, D.N.P., APN, NP-C
Dhananjay Joshi, M.S.
Nancy Kuzmich, M.S.N., RN
Janet LoVerde, M.S.N., RN, CNE
Margaret Norton-Rosko, D.N.P., RN
Janet Palamone, M.S.N., APN, CNRN, CCRN
Yolanda Sankey-Walton, M.S.N., APRN, FNP-BC
Kimberly Scheffel, D.N.P., RN
Barbara Simmons, Ph.D., RN
Denise Top Rhine M.Ed., RN

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Objectives:

The Nursing program is designed to prepare graduates who will:

1. Synthesize theories and concepts from the arts and humanities, and the natural and social sciences in professional practice.
2. Apply critical-thinking, decision-making and clinical-reasoning skills in providing quality nursing care to individuals, families, groups and communities.
3. Translate research findings to provide evidence-based practice of nursing.
4. Manage information and technology to deliver quality patient care in a variety of settings.
5. Use leadership skills and knowledge of the health care, financial and regulatory systems to advance high quality, safe professional practice.
6. Demonstrate effective inter-professional communication and collaboration to provide quality, patient-centered care.
7. Apply principles of prevention and health promotion in providing care to individuals, families, groups and communities.
8. Integrate Benedictine and professional values and ethical, moral and legal aspects of nursing into one's professional practice.
9. Apply a process of lifelong learning in the development of one's self, nursing practice and the profession.
10. Demonstrate evolving competence in professional role within a dynamic, multicultural, global society.

Admission Requirements:

1. A minimum 2.500/4.000 cumulative GPA from all colleges and universities attended.
2. Completion of the first year A.D. nursing courses from a regionally accredited institution.

Enrollment in RN to BSN NRHL Cohort Course Sequence:

1. Conferral of A.A.S. Degree with a major in Nursing from a regionally accredited institution.
2. Proof of current, unencumbered RN license in the state of RN employment.
3. 86 semester credit hours in designated, required coursework documented by official college transcripts. Of the 86 credits, students may have up to 12 general education course credits to complete at the time of enrollment in the RN to BSN NRHL Course Sequence. Such students must have an approved academic plan finalized with the academic advisor within one month of notification of program admission. WRIT 1101, WRIT 1102, and Statistics must be completed prior to NRHL course sequence.

Requirements - Major:

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

Nursing majors must:

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1. Complete the following prerequisite courses or their equivalent: BIOL 3203(4); BIOL 3208(4); BIOL 3258(4); PHIL 2245(3); PSYC 1100(3); PSYC 2200(3) and PSYC 2202; SOCL 1100(3); MATH 1150(3) or NRHL 2250(3) meets quantitative skills requirement "C" or better is required. Note: A physical science course is required for program completion. CHEM 1101(3) and 1102(1), or their equivalent, are recommended as these courses are required of many graduate programs that prepare individuals as advanced practice nurses.
2. Successfully complete the following courses with a grade of "C" or better: NRHL 3315(4); NRHL 3330(3); NRHL 3335(3); NRHL 3340(3); NRHL 3345(3); NRHL 4365(3); NRHL 4366(3); NRHL 4375(3); NRHL 4392(3); NRHL 4394(3).
3. Meet schedule for submission of all program-designated health and safety requirements, including selected immunizations and screening tests, CPR certification, flu shot, health insurance, professional liability insurance, and clinical site-specific requirements.
4. Complete all program requirements within three years after commencing nursing cohort classes.
5. Students must earn a total of 120 semester credit hours. At least 34 semester credit hours of the degree must be completed through coursework at Benedictine University. Degree completion students (75 or more transfer semester credit hours with at least 15 semester credit hours from a four-year institution) must complete at least 30 semester credit hours at Benedictine University. The cumulative GPA from Benedictine University must be at least 2.000.

Students who complete an ADN from a regionally accredited institution with at least 30 semester hours will receive 30 hours of lower division nursing transfer credits towards the major. Any Nursing credits in excess of 30 semester credit hours will be applied as general elective credit towards the minimum 120 credits required for a Bachelor's degree.

Completion of both NRHL 4365 and NRHL 4392 with a grade of B or better will allow students to waive NRHL 5501: Health Promotion and Interprofessional Collaboration when admitted into the Benedictine University MSN Program.

Completion of NRHL 4375 with a grade of B or better will allow students to waive NRHL 5505: Health Care Policy and Advocacy when admitted into the Benedictine University MSN Program.

Degree Status:

Registered nurses who have previously earned a bachelor's degree from Benedictine University may enroll in the RN to BSN Completion Program as degree-seeking students and earn a second bachelor's degree upon completion of the Program.

Accreditation:

The baccalaureate degree program in nursing at Benedictine University is accredited by the Commission on Collegiate Nursing Education, 655 K Street, NW, Suite 750, Washington, DC 20001, (202) 887-6791.

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Nutrition and Dietetics

College: College of Education and Health Services

Department: Nutrition

Student Type: Traditional Undergraduate

Degree: Bachelor of Science

Faculty:

Catherine Arnold, M.S., Ed.D., RDN, LDN, Department Chair

Bonnie Beezhold, Ph.D., CHES

Karen Plawecki, Ph.D., RDN, LDN

Carrie Slezak, M.S., RDN, LDN

Paula Sochacki, M.P.H., Ed.D., RDN, LDN, DPD Director

Lecturers:

Lynn Dugan, M.S., RDN, LDN

Linda Roberts, M.S., RDN, LDN

Laurie Schubert, Ph.D., RDN, LDN

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Mission of the Nutrition and Dietetics Major:

The undergraduate Nutrition and Dietetics Major (Didactic Program in Nutrition and Dietetics, DPD) provides quality learning experiences to successfully prepare graduates for supervised practice leading to eligibility for the credentialing exam to become a registered dietitian nutritionist. The program provides learners with an evidence-based comprehensive knowledge and applications of the interrelationships of science, food, nutrition, and health for disease prevention and medical nutrition therapy intervention.

Nutrition and Dietetics Major Student Learning Goals:

Upon completion of the Nutrition and Dietetics major, the student 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. Demonstrate behaviors for professional practice, including:
 - a. Effective and professional communication skills.
 - b. Application of education and behavior change principles.

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- c. Effective counseling methods.
- d. Applied knowledge of ethical principles.
- 3. Apply principles of food science and techniques of food preparation and modification.
- 4. Apply principles of food systems.
- 5. Demonstrate knowledge and strategic application of principles of management theories and systems.
- 6. Demonstrate use of scientific information and research for evidence-based practice.
- 7. Develop teamwork, cultural competence, problem-solving and critical-thinking skills.

Requirements - Major:

The B.S. Nutrition and Dietetics major must complete 77 credit hours, with a grade of "C" or better:

Basic Skills and Distribution Requirements: WRIT 1101(3) and 1102(3), COMM 1110(3); PSYC 1100(3) or SOCL 1100(3) or ANTH 2200(3).

Cognates: CHEM 1101(3) and 1102(1) [or CHEM 1113(3), 1114(1), 1123(3), and 1124(1)]; CHEM 1103(2) and 1104(1) [or 2242(3), 2243(1), 2247(3), and 2248(1)]; CHEM 1109(2); BIOL 1197(3), 1198(3), 1199(1), 3203(4), 3208(4), and 3258(4); and MATH/MGT 1150(3) or BIOL 2229(3) or PSYC 2250(3).

Nutrition and Health Education Courses: NUTR 1150(1), 3241(3), 2242(1), 3244(3), 2245(1), 3246(1), 2250(3), 2280(3), 3315(3), 4350(3), 4371(4), 4372(3), 4374(4), 4375(1), 3391(2), 4392(2), and 3395(2); and HLED 3271(3).

Meeting the above major requirements also satisfies the following General Education requirements: Sustainability, Engaged Learning, Learning Community, two NUTR Writing Intensive courses, QLS, QPS, and QCM,.

Students pursuing this major must earn a cumulative Benedictine University GPA of 3.000/4.000 for acceptance, maintenance, and program completion for graduation and become a member of the Academy of Nutrition and Dietetics.

A student earning a degree or major in Nutrition and Dietetics cannot also earn a degree or major in Food and Nutrition Management. A student earning a B.S. in Nutrition and Dietetics can earn a major in Health Education.

Nutrition and Dietetics Major Application Requirements (Lisle Campus only):

Application and admission to the Nutrition and Dietetics major is through the department. Candidates desiring to declare the Nutrition and Dietetics major should consult with their academic advisors early in their academic career to ensure that they enroll for the appropriate courses needed for admission to this major. Enrollment in this program is limited; those interested in pursuing the Nutrition and Dietetics majors must apply to the Nutrition department for acceptance into this major after meeting the criteria specified below and by using the required form available online or from the Nutrition Department. Transfer students who have met all application criteria listed below can apply (i.e., complete the Nutrition Department application) for entry into the major at the point of entry into the

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university. Priority for PIN go to those students who are accepted into this major. Students meeting the following eligibility criteria have the opportunity to apply to enter this major at Benedictine University:

1. Completion of the following courses with a grade of "C" or better: CHEM 1101 [or CHEM 1113 and 1123], CHEM 1103 [or CHEM 2242 and 2247], CHEM 1109 [or CHEM 3261], BIOL 1198, and BIOL 1199.
2. Credit or registration in NUTR 3241.
3. Completion of Basic Skills Courses (with a grade of "C" or better).
4. Completion of 24 semester credit hours.
5. GPA of at least 3.000/4.000.
6. Evidence of membership in the Academy of Nutrition and Dietetics. This is required prior to (a) the start of NUTR 4372, (b) receipt of the DPD Declaration of Intent, which is required to apply to Dietetic Internship programs, and (c) receipt of DPD Verification Statement.
7. Evidence that all vaccinations (including flu), medical/laboratory tests, and drug screens are completed (subject to change as you must meet current requirements of our medical facility affiliation), required prior to NUTR 4372.
8. No negative incidents reported on a background check, required prior to NUTR 4372.

Applications to the Nutrition and Dietetics major are normally processed within three weeks of these due dates: August 15, September 31, January 15, and June 30.

Due to course sequencing, the students accepted into this major should expect to need at least four terms to complete the required courses after acceptance into this major. *All of the medical nutrition and counseling courses unique to this major are available only on the Lisle main campus.*

If it is determined at any time that a student cannot complete program requirements with a Nutrition and Dietetics degree, the student will be required to change his or her major and seek academic advising outside of that program. Students can pursue an alternate major in the department (or another department), as well as reapply to pursue the Nutrition and Dietetics major, if qualified in the future. Permission to enroll in and/or completion of courses required for this major does not imply acceptance into the Nutrition and Dietetics major.

Students in the Nutrition and Dietetics major are strongly encouraged, although not required, to maintain a cumulative GPA of 3.400 or higher if considering applying for a position in a Dietetic Internship program in the future.

Requirements – Minor:

Students seeking the Nutrition and Food Sciences minor must complete, with a grade of "C" or better: BIOL 1155(3) or 1157(4)/1158(4) or 3258(4); NUTR 2200(3) or 3241(3); NUTR 3300(4); and at least six credits (that are not redundant of major requirements) from among the following: NUTR 2220(3), 2245(3), 2364(3), 2280(3), 2298(3) and HLED 3271(3) or 4360(3).

The Nutrition and Dietetics major cannot minor in Nutrition and Food Sciences.

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Didactic Program in Nutrition and Dietetics (DPD) Verification Statement (Lisle main campus only):

Candidates seeking a career as a Registered Dietitian Nutritionist (RDN) should have a sincere desire to provide individualized counseling, which could include medical nutrition, show intellectual promise, and display personal, professional and academic characteristics indicative of a RDN. The requirements for attaining the RDN credential are established by the Accreditation Council for Education in Nutrition and Dietetics (ACEND), and include completion of academic course requirements prescribed by a Didactic Program in Nutrition and Dietetics (DPD) (Plan III and IV are not accepted) and an ACEND accredited Dietetic Internship Program, then passing of the Registration Examination for the Registered Dietitian Nutritionist.

To qualify for receipt of the Didactic Program in Nutrition and Dietetics Verification Statement, Benedictine University students must have earned a minimum of a bachelor's degree with a cumulative Benedictine University undergraduate GPA of at least 3.000/4.000, and met all the requirements (e.g., NUTR and HLED courses, cognates, skills, grades, major application requirements) of the Benedictine University Bachelor of Science (B.S.) in the Nutrition and Dietetics major program.

Credits to be transferred from other regionally accredited institutions are evaluated on the basis of their equivalence at Benedictine University. Benedictine University accepts transfer course credit from regionally accredited colleges and universities if the courses are comparable in scope and level of difficulty to courses offered at Benedictine University. Acceptance of transfer credit to be applied to nutrition, food and/or health education courses are determined by the Nutrition Department Chair. Acceptance of transfer credit to be applied to the area of dietetics is determined by the DPD director. Courses taken prior to specific dates may be unacceptable as transfer credit because of substantial subsequent developments.

Those seeking DPD verification of coursework after completing a baccalaureate degree granted by another United States regionally accredited college or university, or equivalent as determined by an independent foreign degree evaluation agency approved by our university, must have earned a minimum cumulative GPA of at least 3.000/4.000 on all undergraduate college/university coursework. These individuals must meet all the requirements (e.g., NUTR and HLED courses, cognates, skills, grades, major application requirements) of the Benedictine University B.S. in Nutrition and Dietetics program, as determined by the Nutrition Department Chair and DPD Director at Benedictine University on the Lisle main campus. To have transcripts evaluated and accepted, the prospective student must first apply to the Enrollment Center at Benedictine University as a second degree candidate and submit an original copy of all college and university transcripts, along with his/her application materials. At the time of course acceptance, completed courses will be evaluated according to the current program Course Acceptance and Validation Policy, as stated in the *Nutrition and Dietetics Major Guide*, and with the assumption that the student is beginning his/her studies at our university the following term. Students accepted into this program are required to successfully complete at least 12 semester credit hours of 2000/3000 level classroom courses at Benedictine University within a seven-year time period. Typically, more than 12 semester credit hours are required for completion of the DPD. Upon successful completion of all of the requirements, the Didactic

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Program in Nutrition and Dietetics (DPD) Verification Statement will be awarded. A second degree will be awarded to those completing the Second Baccalaureate Degree program.

Accreditation Information (Lisle main campus only):

Those accepted into the Nutrition and Dietetics major on the Lisle main campus are enrolled in a Didactic Program in Dietetics, which is externally accredited by the Accreditation Council for Education in Nutrition and Dietetics (ACEND) of the Academy of Nutrition and Dietetics (120 South Riverside Plaza, Suite 2190, Chicago, Illinois 60606-6995, (800) 877-1600, ext. 5400. The Didactic Program in Nutrition and Dietetics (DPD) curriculum meets the specific required knowledge and skills competencies as listed in the *2017 Standards for Didactic Programs in Nutrition and Dietetics*, which can be found at eatrightacend.org/ACEND.

Affiliation with Graduate Programs (Lisle main campus only):

With careful planning of the undergraduate course sequence, the Nutrition and Dietetics major program offers the student the possibility of completing select cross-listed courses to meet some of the requirements of nutrition and public health graduate programs while an undergraduate student. Space in these graduate to undergraduate cross-listed courses is limited. Permission to enroll in and/or completion of cross-listed graduate nutrition courses does not imply acceptance into the Nutrition and Dietetics major program or the graduate programs, including the Dietetic Internship program. Admission to the graduate program is not automatic; the student must meet program requirements, apply and receive acceptance into the respective graduate program in his/her junior year in order to have the opportunity to take cross-listed graduate courses during his/her undergraduate senior year.

Organizational Leadership

College: Daniel L. Goodwin College of Business

Department: Undergraduate Business

Student Type: Adult Accelerated Undergraduate

Degree: Bachelor of Arts

Faculty:

Deborah Cernauskas, Ph.D., M.S., M.B.A., Department Chair

Larissa Adamiec, Ph.D.

Rick Cali, M.B.A.

Jodi Houlihan, M.D.M.

Vicki Jobst, D.B.A., M.B.A., CPA

Todd Kelsey, Ph.D.

Rob Rebman, M.B.A., CPA

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 be prepared for graduate study, particularly in the behaviorally-oriented management programs.

The Organizational Leadership program is offered in a learning-team/blended format through evening and weekend classes, as well as in a fully online format. These options provide time periods and formats designed for the needs of adult learners. Organizational Leadership students must complete a minimum of 120 semester credit hours for degree completion. The online courses are restricted to students admitted into the adult online program.

Requirements - Major

Organizational Leadership students must complete the following major courses with a grade of "C" or better: INTB 3302(3), MGT 2237(3), MGT 2247(3), MGT 2268(3), MGT 3300(3), MGT 3323(3), MGT 4330(3), MGT 3334(3), PSYC 1100(3), PSYC 2220 (3), PSYC 2250(3), PSYC 2298(3), PSYC 3320(3), SOCL 2290(3) and PSYC 4389(3), which should be the last major course taken immediately following PSYC 2298(3).

Work /Life Experience Credits

General elective semester credit hours may be demonstrated through the Prior Learning Assessment program by the submission and approval of a Work/Life Experience portfolio. Students need to complete all of the requirements of the Prior Learning Assessment program within one year of starting

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their degree program. The maximum number of credits that may be obtained through work/life experience is 18 semester credit hours.

Concentrations

For Organizational Leadership students, optional concentrations provide an opportunity to expand knowledge in different areas. Each concentration is composed of four courses for a total of 12 semester credit hours. In order to qualify for a concentration, a grade of "C" or better must be obtained for each course. The following concentration is available:

- The Human Resources Management concentration requires completion of the following courses: MGT 2262(3), MGT 2264(3), MGT 2266(3) and MGT 2270(3). It is recommended that students complete MGT 4330 prior to taking the concentration courses.

Philosophy

College: College of Liberal Arts

Department: History, Philosophy and Theology

Student Type: Traditional Undergraduate

Degree: Bachelor of Arts

Faculty:

Martin Tracey, Ph.D., Department Chair

Steve Burgess, Ph.D.

Patrick Flynn, Ph.D.

Bernard Toussaint, Ph.D., Professor Emeritus†

Lecturers:

Glen Brown, M.A.

G. Blair Nelson, 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.

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 semester credit hours of courses toward their major, with a grade of "C" or better. Of these 36 semester credit hours, these courses

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must include at least 30 semester credit hours of formally registered Philosophy courses, and may include up to 6 semester credit hours of department-approved courses. The latter refers to department-agreed substitutions for formally registered Philosophy courses from related academic fields. Of the formally registered philosophy courses, 18 semester credit hours must be at the 3000 level or above of which 6 semester credit hours must be at the 4000 level or above. Courses toward the Philosophy major must also include: PHIL 1101(3) or 1120(3); 2200(3); either 2210(3) or 2255(3), either 2225/3325(3) or 2235/3335(3); either 2215/3315 or 2230/3330; 3391(3) or 4491(3); 4399(3); and any two of PHIL 2207/3307(3), 2245(3), 2246/3346(3), 2247/3347(3), 2248/3348(3), or 2260/3360(3). In addition, majors must complete either four semesters of a single language (other than English) or two semesters each of two different languages (other than English).

Requirements - Minor:

Students minoring in Philosophy must complete a minimum of 15 semester credit hours of Philosophy courses with a grade of "C" or better. Of these 15 semester credit hours, 6 semester credit hours must be at the 3000 level or above, of which 3 semester credit hours must be at the 4000 level or above. Transferable credit toward the minor is limited to 6 semester credit hours.

Philosophy as a Second Major:

Philosophy majors are encouraged to combine their major with a second major in another academic field related to their particular philosophical interests, or to combine the Philosophy major with one or more academic minors, related to their particular interests in philosophy. Philosophy has always been an intrinsically interdisciplinary 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 interdisciplinary, philosophical spirit.

Physics

College: College of Science

Department: Physics/Engineering

Student Type: Traditional Undergraduate

Degree: Bachelor of Science

Faculty:

Cheryl M. Mascarenhas, Ph.D., Department Chair

Andrew Wig, Ph.D., Physics Program Director

Darya Aleinikava, Ph.D.

Stevce (Stefan) Stefanoski, Ph.D.

Matthew Wiesner, Ph.D.

Joseph C. Bowe, Ph.D. Professor Emeritus

Duane J. Buss, Ph.D. Professor Emeritus[†]

Ralph D. Meeker, Ph.D., Professor Emeritus

Fr. William J. Shonka, O.S.B., Ph.D., Professor Emeritus[†]

John J. Spokas, Ph.D. Professor Emeritus

Laboratory Coordinator:

Andrew Wig, Ph.D.

Lecturers:

John Baliga, Ph.D.

David Baran, Ph.D.

Kevin Beyer, Ph.D.

Jean-Paul Carneiro, Ph.D.

Athanasios Hatzikoutelis, Ph.D.

Hoai Nguyen, Ph.D.

Mel Swieton, 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:

The courses in Physics are designed to:

1. Develop a scientific style of reasoning; and
2. Increase one's understanding of our physical environment.

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The program 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;
3. Develop students' laboratory skills and to expose them 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, or graduate school.

Progression in the Physics Program:

A student will progress in the Physics program by completing the introductory sequence of PHYS 2211, PHYS 2212, PHYS 2213, MATH 2210, and MATH 2211 with a GPA of 2.500 or above and a grade of "C" or better in each of these courses. A transfer student must meet these requirements through equivalent transfer courses. Additionally, a transfer student must earn a GPA of 2.500 or above in all major classes (excluding labs) during the first semester at Benedictine in order to progress in the Physics program.

If it is determined at any time that a student cannot gain acceptance to the Physics program or cannot graduate with a Physics degree, the student will be required to change his or her major and seek academic advising outside of that program.

Requirements - Major:**PHYSICS MAJOR:**

This program is designed to provide a rigorous introduction to the concepts of physics through a mix of theoretical and experimental coursework, which will prepare students for graduate studies, a career in engineering or applied physics.

Requirements for a Physics major are:

Majors are required to present a minimum of 36 semester credit hours in physics courses numbered 2000 or above, including PHYS 2205(1), 2206(1), 2207(1), 3208(1), 2211(3), 2212(3), 2213(3), 3214(3), ENGR 2220(3), ENGR 3221(3), ENGR 3264(3), PHYS 4313(3), 4314(1), 4315(3), 4316(1), PHYS 4340(3), and 4398(2); and a 3000-level Physics Elective (may substitute MATH 3361). Students must also complete MATH 2210(5) or 1170(5) plus 2200(4), 2211(4), 2212(4), 2260(4); CHEM 1127(4) or 1113(3) and 1123(3), 1114(1) or 1115(1), 1124(1) or 1125(1); and CMSC 2200(3). 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 3300(3), 3350(3), 3361(3), 365(3, no longer offered); PHYS 3323(3), 374(2, no longer offered).

PHYSICS MAJOR WITH A MINOR IN EDUCATION**Requirements - Teaching License:**

Requirements to be a high school physics teacher: Students who desire to be licensed to teach physics at the secondary level (grades 9-12) are to declare themselves as Physics majors and Education minors and register with the Benedictine University Education Program as teaching licensure candidates.

Advising is then a joint responsibility of the Physics department and the School of Education. Students must complete the following courses with a grade of "C" or higher: PHYS 2205(1), 2206(1), 2207(1), 3208(1), 2211(3), 2212(3), 2213(3), 3214(3), ENGR 2220(3), ENGR 3264(3) or ENGR 3221(3), PHYS 4313(3) and 4315(3). Students must also complete MATH 2210(5) or 220(5, no longer offered) or 1170(5) plus 2200(4), 2211(4) or 224(4, no longer offered), 2212(4), 2260(4); CHEM 1127(4) or 1113(3) and 1123(3), 1114(1) or 1115(1); 1124(1) or 1125(1); and CMSC 1180(2), 1185(2), as well as the requirements of the Teacher Licensure Program in Secondary Education which includes the Education minor (see Education [Elementary Education, Special Education and Minors in Education and Special Education] section). Students must also complete PHYS 1107(3), NTSC 1111(3) and PHIL 2290(3).

Students must also complete the requirements of the Teacher Licensure Program in Education which includes the Education minor (see Education [Elementary Education, Special Education and Minors in Education and Special Education] section).

A student cannot major in both Health Science and Physics.

Requirements - Minor:

Students seeking the Physics minor must complete, with a grade of "C" or better: PHYS 2211(3), 2212(3), 2213(3), 3214(3), 2205(1), 2206(1), 2207(1), 3208(1) and 6 semester credit hours in physics courses numbered 2000 and above, including at least 3 semester credit hours at the 3000 level. Only courses in which a student earns a grade of "C" or better may be counted toward the minor.

Political Science

College: College of Liberal Arts

Department: Political Science

Student Type: Traditional Undergraduate

Degree: Bachelor of Arts

Faculty:

Phil Hardy, Ph.D., Associate Professor & Department Chair

Joel Ostrow, Ph.D., Professor

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

Objectives:

Political Science students at Benedictine University learn theoretical and practical material about political systems – domestic and international - and their processes. The department is additionally committed to developing a strong understanding of the concept of citizenship and a commitment to public service and civic life. Political Science faculty take pride in challenging students and helping them in developing critical research, writing and oral communications skills while introducing them to a multitude of hands on, real-world opportunities in the field. The department houses nationally recognized Mock Trial and Model United Nations programs and the nonpartisan Center for Civic Leadership (CCL) offering numerous contact points for internships and other professional endeavors.

A Benedictine University political science degree prepares students to pursue career opportunities in national, state and local governments, journalism, education, nonprofit 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, nonprofit organizations, politics and public service, and 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 (e.g., Mock Trial, Moot Court), business, and other opportunities under the Center for Civic Leadership led by Hardy;
7. Encourage participation in our award-winning Model United Nations and Mock Trial teams.

Requirements - Major:

Students majoring in Political Science must complete at least 45 semester credit hours with a grade of "C" or better, including:

1. A core of the following Political Science courses: PLSC 1102(3), PLSC 2105(3), PLSC 2201(3), PLSC 2210(3), PLSC 4299(3), and PLSC 4399(3);
2. Six semester credit hours of Political Science electives at the 2000 level or higher – students in the Pre-Law Concentration should enroll in PLSC 2230/3230 and PLSC 2231/3231;
3. Six semester credit hours of 3000+ Political Science electives – students in the Pre-Law Concentration should enroll in an approved political theory/thought course;
4. Six semester credit hours of Political Science electives – students in the Pre-Law Concentration may substitute coursework from ACCT, HIST, MGT, PHIL, PSYC or SOCL as approved by the department;
5. Six semester credit hours of Political Science or approved upper level coursework – students in the Pre-Law Concentration may substitute upper level coursework from ACCT, HIST, MGT, PHIL, PSYC or SOCL as approved by the department;
6. Three semester credit hours from ECON 2101(3).

PRE-LAW CONCENTRATION:

In response to law school recommendations, the Pre-Law 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.

Requirements - Minor:

18 semester credit hours, with a grade of "C" or better, are required for the Political Science minor. These 18 semester credit hours must include PLSC 1102(3), 2201(3), 2105(3), 2210(3), and six additional semester credit hours at the 3000 level or above. PLSC 2215 and PLSC 2237, while repeatable for credit, may only be counted once toward satisfying requirements for the minor.

Other Information:

A student who has completed PLSC 4399 Thesis Research and Writing and earned a letter grade may not repeat the course.

Pre-Professional Health Programs

College: College of Science

Department: Pre-Professional Health

Student Type: Traditional Undergraduate

Faculty: Alice N. Sima, M.S.N., M.B.A., RN, 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.

Career Path:

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 semester credit hours in biology, chemistry, physics (all with labs), and a minimum of 30 semester credit 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/Molecular Biology 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 to complete 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. We offer a

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wide selection of appropriate advanced courses, including histology, immunology, endocrinology, cell biology, nutrition, microbiology, biochemistry and intermediary metabolism. Medical schools are now placing increased emphasis on humanities courses and volunteerism in the community and at the University. 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. We recommend that you apply to medical school through the American Medical College Application Service or to osteopathic medical school through the American Association of Colleges of Osteopathic Medicine Application Service the summer prior to your senior year.

Pre-Occupational Therapy Program:

Students seeking a career in occupational therapy should plan to complete the Health Science or Psychology degree with a concentration in Occupational Therapy, and then continue their education in a master's program in occupational therapy. In addition to your set curriculum, you will be required to complete a medical terminology course, a minimum of 50 clinical hours of observation, CPR certification and a first aid course. 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 to complete 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 (OAT) during the spring semester of the junior year. The mean OAT score for a student accepted into optometry school is the 50th percentile or better and a mean cumulative GPA is 3.500 (on a 4-point scale). 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. To apply for pharmacy school, we recommend that you earn a minimum GPA of 3.300 (on a 4-point scale). You should apply to pharmacy school between January 1 and May 1 of your sophomore year. 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 coursework; such students will be granted an early acceptance to CCP. Eligible students must rank in the top 20 percent 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.

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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 GPA of 3.200; and earning a grade of "C" or better 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.

Pre-Physical Therapy Program:

Students seeking a career in physical therapy should plan to complete a Health Science or Psychology degree, and then 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-Physician Assistant Program:

Students seeking a career as a physician assistant should plan to complete four years of college. You should have a strong foundation in basic sciences of biology, chemistry, physiology, anatomy and microbiology, and a balance of studies in the applied behavioral sciences. A GPA of 3.400/4.000 (on a 4-point scale) and a graduate admissions exam may be required. Most physician assistant schools require prior health care experience (example, 2,000 work hours). Students should arrange for interviews with the Health Sciences Recommendations Committee during the spring or fall of your junior year. The majority of the applicants to the pre-physician programs apply through the Central Application Service for Physician Assistants the summer prior to 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 8 semester credit hours of biology, 16 semester credit hours of chemistry, 8 semester credit hours of physics and a minimum of 30 semester credit 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. The mean MCAT score for students accepted in colleges of podiatric medicine is approximately 25 and the mean GPA is 3.400 (on a 4-point scale). Applications should be made through the American Association of Colleges of Podiatric Medicine Application Service (AACPMAS). 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 8 semester credit hours of biology, 16 semester credit hours of chemistry, 8 semester credit hours of physics, 3 semester credit

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hours in animal science and at least 30 semester credit hours of humanities and social sciences. The University of Illinois College of Veterinary Medicine recommends that you complete courses in genetics and biochemistry. 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 and 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 an application to the committee for interviews will be posted online. 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, Criminal Justice, and Clinical Psychology

Student Type: Traditional Undergraduate and Adult Accelerated Undergraduate

Degree: Bachelor of Arts

Faculty:

Brian Patterson, Ph.D., Department Chair

Sandra Chmelir, Ph.D.

Dianne Moran, Ph.D.

James Davis, 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:

All majors are required to complete 41 credit hours with a grade of "C" or better. This includes a departmental core of: PSYC 1100(3), 2250(3), 4351(3) and 4395(3). PSYC 4351 must be completed at Benedictine University. In addition, the major must complete one 4 credit-hour lab course (experimental) PSYC 3314/3315, or PSYC 3318/3319, one 4 credit-hour lab course (applied) PSYC 3354 or PSYC 3356, three courses at the 2000 level exclusive of PSYC 2250, and three courses at the 3000 level or higher, exclusive of PSYC 4351 and 4395; one additional elective either 2000 level or higher. PSYC 3397 is required for internship.

Internships require a minimum GPA of 3.000.

Concentrations:

Acceptance into the Pre-Physical Therapy or Pre-Occupational Therapy concentration:

A student will gain acceptance to the Pre-OT/PT concentration by completing either BIOL 1197 or BIOL 1198 and CHEM 1113 with a grade of "C" or better in each of these courses, and receiving no

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more than a total of two "W," "D" or "F" grades in these courses. A transfer student will gain acceptance by meeting these requirements through equivalent transfer courses. Transfer students must complete their first two semesters with no more than two "W," "D" or "F" grades in science lecture courses to be accepted to the degree program.

If it is determined at any time that a student cannot gain acceptance to the Pre-OT/PT program or cannot graduate with a Pre-OT or Pre-PT concentration, the student will be required to change his or her major to psychology without the concentration.

Psychology majors with concentrations in Pre-Physical Therapy or Pre-Occupational Therapy must complete at least 81 semester credit hours in this interdisciplinary program. It includes PSYC 2202 or PSYC 3310(3), MATH 1111(3), 18 semester credit hours in Biology: BIOL 1197(3), 1198(3), 1199(1), 3203(4), 3258(4), and a 3000-level elective (3); 8 semester credit hours in Chemistry: CHEM 1113/1114(4), 1123/1124(4); and 8 semester credit hours in Physics: PHYS 1113/1114(4), 1118/1119(4). Recommended courses: Practicum (HLSC 3303A-OT or 3307A-PT); HLSC 2291 Medical Terminology; and First Aid. PSYC 4351 must be completed at Benedictine University. If a 2000-level transfer course is determined to be equivalent to a 3000-level course at Benedictine University, an additional 3000-level course may have to be completed in order to meet graduation requirements. (Note that the Natural Science core is fulfilled by this program's requirements). There are 41 semester credit hours required in Psychology (see the list above).

Requirements - Minor:

The Psychology minor consists of a program of courses totaling at least 21 semester credit hours with a grade of "C" or better, submitted to and approved by the department chair, including at least 12 semester credit hours at the 2000 level or above, of which at least 6 semester credit hours must be at the 3000 level.

Note: If you desire to teach psychology, you may also earn an endorsement in Social Science-Psychology by completing the Illinois State Board of Education licensure requirements for this endorsement.

Social Science

College: College of Liberal Arts and College of Business

Department: Interdisciplinary

Student Type: Traditional Undergraduate

Degree: Bachelor of Arts

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-semester-credit-hour history field, covering both world and American history, a 9-semester-credit-hour political science field and 3 semester credit hours each in anthropology, geography and sociology.

The general Social Science major (for those not pursuing the teacher licensure program) consists of a 21-semester-credit-hour option in history, economics, political science, psychology, sociology, anthropology or criminal justice along with either an 18-semester-credit-hour option in another of the above fields, or two 9-semester-credit-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-semester-credit-hour option.

For Social Science/Teacher Education or History, see Susan Mikula, Ph.D.

For Political Science, see Joel Ostrow, Ph.D.

For Economics, see Tim Goines, Ph.D.

For Psychology, Sociology-Anthropology or Criminal Justice, see Brian Patterson, Ph.D.

Students desiring to teach Social Science-History at the secondary level (grades 9-12) complete the Social Science/Teacher Education program. Students must complete, with a grade of "C" or better, 24 semester credit hours in history, 9 semester credit hours in political science and 3 additional courses in the social sciences. At least 24 semester credit hours have to be at the 2000 level or above, including 9 semester credit hours at the 3000 level. The major will ordinarily consist of the following:

I. History - 24 semester credit hours: HIST 1111(3), 1112 (3), 2203/3303(3), 2240(3), 4399(3), 9 additional semester credit hours, 3 semester credit hours each from American, European and world history, at least three of which are to be at the 3000 level or higher.

II. Political Science - 9 semester credit hours: PLSC 1101(3), 1102(3), 2201(3).

III. 9 semester credit hours consisting of these courses: ANTH 2200(3), GEOG 1106(3) and SOCL 1100(3).

Students who desire to be licensed to teach social science-history at the secondary level (grades 9-12) are to declare themselves as Social Science majors and Education minors and register with the Benedictine University Education Program as teaching licensure candidates. Advising is then a joint responsibility of the Department of Social Science and the School of Education.

Students must complete the requirement for a major in Social Science-History as well as the requirements of the Teacher Licensure Program in Education which includes the Education minor (see Education [Elementary Education, Special Education and Minors in Education and Special Education] section).

Social Science majors who are not going to be teachers will complete at least 42 semester credit hours with a grade of "C" or better. At least 24 semester credit hours must be at the 2000 level or above, of which at least 9 semester credit hours must be at the 3000 level or higher. In this program, students have two options: a 21-semester-credit-hour concentration combined with an 18-semester-credit-hour secondary concentration, selected from the fields of economics, history, political science, psychology, sociology-anthropology, or criminal justice OR a 21-semester-credit-hour concentration and two areas of study of 9 semester credit hours each, selected from the above fields. Requirements for the 21-, 18- and 9-semester-credit-hour options are:

1. ECONOMICS

- a. If 21 semester credit hours, then ECON 2101(3), 2102(3), 3202(3), 4310(3), 3 additional 2000-level and 6 additional 3000-level economics semester credit hours are required.
- b. If 18 semester credit hours, then ECON 2101(3), 2102(3), 3202(3), 4310(3) are required.
- c. If 9 semester credit hours, then ECON 2101(3), 2102(3) are required.

2. HISTORY

- a. If 21 semester credit hours, then HIST 1111(3), 1112(3), 2203(3) and 4399(3), and 9 additional semester credit hours of history, of which 6 semester credit hours are to be from European or world history (3 semester credit hours at the 3000 level).
- b. If 18 semester credit hours, then HIST 1111(3), 1212(3), 2203(3) and 9 additional semester credit hours of history at the 2000 level or above, of which 3 semester credit hours must be from world history.
- c. If 9 semester credit hours, then HIST 2140(3) and an additional 6 semester credit hours of world history, or HIST 1111(3), 1112(3) and another 3-semester-credit-hour American history course.

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3. POLITICAL SCIENCE
 - a. If 21 semester credit hours, then PLSC 1102(3), 2105 (3), 2210(3), 2201(3), 4299(3), and an additional 6 semester credit hours at the 2000 level of which one course must be at the 3000 level are required.
 - b. If 18 semester credit hours, then PLSC 1102(3), 2105 (3), 2210(3), 2201(3), 4299(3) are required.
 - c. If 9 semester credit hours, then PLSC 1102(3), 2201(3) and 2210(3) are required.
4. PSYCHOLOGY
 - a. If 21 semester credit hours, then PSYC 1100(3), and 9 semester credit hours in psychology at the 2000 level and 9 semester credit hours in psychology at the 3000 level.
 - b. If 18 semester credit hours, then PSYC 1100(3), and 9 semester credit hours in psychology at the 2000 level and 6 semester credit hours in psychology at the 3000 level.
 - c. If 9 semester hours, then PSYC 1100(3) and 6 semester credit hours in psychology at the 2000 level.
5. SOCIOLOGY-ANTHROPOLOGY
 - a. If 21 semester credit hours, then SOCL 1100(3), and 18 additional semester credit hours, including 9 semester credit hours in sociology or anthropology at the 3000 level, are required.
 - b. If 18 semester credit hours, then SOCL 1100(3), and 15 additional semester credit hours from sociology and anthropology are required.
 - c. If 9 semester credit hours, in sociology, then SOCL 1100(3) and 6 semester credit hours in sociology at the 2000 level: or, if solely in anthropology, then ANTH 2200(3), 2208(3) and 3 additional semester credit hours in anthropology are required.
6. CRIMINAL JUSTICE
 - a. If 21 semester credit hours, then CJUS 2260(3), and 18 additional semester credit hours, including 9 semester credit hours in criminal justice at the 3000 level.
 - b. If 18 semester credit hours, then CJUS 2260(3), and 15 additional semester credit hours from criminal justice.
 - c. If 9 semester credit hours, then CJUS 2260(3), and 6 semester credit hours in criminal justice at the 2000 level.

Sociology

College: College of Liberal Arts

Department: Psychology, Sociology, Criminal Justice, and Clinical Psychology

Student Type: Traditional Undergraduate

Degree: Bachelor of Arts

Faculty:

Brian Patterson, Ph.D., Department Chair
Jane Boumgarden, M.S.W., L.C.S.W., A.C.S.W.
Cesraea Rumpf, Ph.D.
Jack Thornburg, Ph.D.
Jonathan Lewis, Ph.D., Professor Emeritus
James Crissman, Ph.D., Professor Emeritus

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:

All majors are required to complete 42 credit hours with a grade of "C" or better. This includes a departmental core of: SOCL 1100(3), 2205(3), 2240(3), 2250(3), 3350(3), 4351(3) and 4395(3). SOCL 4351 must be completed at Benedictine University. In addition, the major must complete three courses at the 2000 level exclusive of SOCL 2205 and 2250, and three courses at the 3000 level or higher, exclusive of SOCL 3350, 4351 and 4395; one additional elective either 2000 level or higher. SOCL 3397 is required for internship.

Internships require a minimum GPA of 3.000.

Requirements - Minor:

A Sociology minor consists of a program of courses totaling at least 21 semester credit hours, submitted to and approved by the program director, including at least 12 semester credit hours of

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courses at the 2000 level or above, of which at least 3 semester credit hours must be at the 3000 level and must be completed with a "C" or better.

Requirements for a Social Work Minor:

A Social Work minor consists of 25 semester credit hours of courses including SOCL 2265(3), 3301(3), 3356(4), 4392(3-6), 2270(3), PSYC 2202(3) or SOCL 3310(3) and SOCL 3306(3) and one of the following sociology electives: SOCL 210(3, no longer offered), 2240(3), 2290(3), 2245(3) and 2231(3). For non-sociology majors, the elective must be SOCL 3350(3).

Requirements for a Life Span Services Minor:

A Life Span Services minor consists of a minimum of 22 semester credit hours of courses, including: SOCL 2231(3); SOCL/PSYC 3310(3), SOCL/PSYC 3356(4), PSYC 3371(3), SOCL/PSYC 386(3, no longer offered), SOCL 4398(3-6), which must be completed with a "C" or better and approved by the director of Life Span Services. Non-sociology majors must take SOCL 3350(3).

Spanish

College: College of Liberal Arts

Department: Language and Literature

Student Type: Traditional Undergraduate

Degree: Bachelor of Arts

Faculty:

Rafael Iglesias, Ph.D.

Joaquin Montero, Ph.D.

Beth Ransdell Vinkler, Ph.D.

Objectives:

The faculty members who teach in the Spanish program firmly believe that, for the person who possesses the ability to communicate in another language and who shows sensitivity toward and understanding of other cultures, the world will have fewer boundaries. The development of language skills and cultural understanding and sensitivity will stimulate students' intellectual and personal growth and broaden their perspective, thus enabling them to become responsible citizens and leaders in the world community.

We currently offer two major and two minor options:

- Bachelor of Arts in Spanish
- Bachelor of Arts in Spanish with Medical Spanish Concentration
- Minor in Spanish
- Minor in Medical Spanish

Students are encouraged to combine the Spanish major with a major or minor in another discipline such as international business and economics, psychology, criminal justice, political science, pre-law, health sciences, or social work.

The faculty subscribes to the proficiency guidelines of the American Council on the Teaching of Foreign Languages (ACTFL) and uses them as a basis for instruction.

Courses in Spanish are designed to enable students to:

1. Initiate and progressively develop skills in listening comprehension, speaking, reading, writing, and cultural understanding;
2. Recognize the close relationship between language and culture, enabling them to become culturally sensitive to non-English speaking peoples and societies;
3. Be able to use specialized terminology from a variety of professional fields, including health care, business and finance, translation and interpretation, and law and law enforcement; and

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4. Broaden their career opportunities and marketability in an increasingly globalized and interdependent world.

The majors in Spanish are designed to:

1. Enable students to develop at least Intermediate-High level proficiency in all four skills, as described 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 may still be evident;
 - d. Ask and answer questions;
 - 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 the culture of a Spanish-speaking country through a study abroad experience;
3. Familiarize students with Spanish and Latin American cultures, literature, art, and current political issues and their international ramifications; and
4. Enable students to use effectively Spanish in a variety of professional contexts including health care, business and finance, translation and interpretation, and law and law enforcement.

The minors in Spanish are designed to:

1. Enable students to develop at least Intermediate-Mid level proficiency in all four skills, as described 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 traditions, values and lifestyles of a culture different from their own.
5. Introduce students to the grammatical structures and terminology most commonly used in a variety of professional settings including health care, business and finance, and law and law enforcement.

Requirements – Bachelor of Arts in Spanish:

A Spanish major must complete at least 36 semester credit hours from among Spanish courses numbered 2201 or above, all with a grade of "C" or better. The 36 semester credit hours (typically 12 classes) must include all of the following courses or equivalents: SPAN 2201(3), SPAN 2202(3), SPAN 2211(3), SPAN 2212(3) [heritage speakers—students who grew up in a Spanish-speaking home—

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should not take SPAN 2212 but seek departmental advice and approval for an alternative course above SPAN 2212], SPAN 2221(3), SPAN 2230(3), SPAN 3231(3), SPAN 3310(3), SPAN 4311(3) and SPAN 4312(3). In order to satisfy the 36-semester-credit-hour graduation requirement, Spanish majors must also take two additional elective classes at or above the 3000 level, which will typically be taken as part of their study abroad experience and/or an internship.

Spanish majors are required to participate in a study abroad experience in a Spanish-speaking country, but in some extraordinary circumstances, a waiver of this requirement may be requested from the chair of the Department of Languages and Literature. In place of studying abroad, students who are granted a waiver may be required to participate in an internship (earning a minimum of 3 semester credit hours) with a service agency, educational institution or company where Spanish is used extensively.

Spanish majors must demonstrate Intermediate-High level proficiency or higher in spoken Spanish according to the 2012 ACTFL proficiency guidelines. Students should arrange to take the oral proficiency exam during the semester PRIOR to the semester in which they plan to graduate. This ACTFL oral proficiency exam is administered online for a modest fee. After taking the test, students receive a nationally-recognized certificate of their oral Spanish proficiency from ACTFL. For information on the ACTFL online test, contact Dr. Rafael Iglesias at (630) 829-6268. The ACTFL oral proficiency interview may be repeated for an additional fee until the required level of proficiency is demonstrated.

Requirements – Bachelor of Arts in Spanish with Medical Spanish Concentration:

To earn a major in Spanish with a concentration in Medical Spanish, students must complete at least 36 semester credit hours from among Spanish courses numbered SPAN 2201 or above, all with a grade of "C" or better. The 36 semester credit hours (typically 12 classes) must include all of the following courses or equivalents: SPAN 2201(3), SPAN 2202(3), SPAN 2211(3), SPAN 2212(3) [heritage speakers should not take SPAN 2212 but seek departmental advice and approval for an alternative course above SPAN 2212], SPAN 3215(3), SPAN 3216(3), SPAN 2221(3) or SPAN 3310(3), SPAN 2230(3) or SPAN 3231(3), SPAN 3350(3), SPAN 3360(3), SPAN 4311(3), and 4312(3).

Students majoring in Spanish with Medical Spanish Concentration are required to participate in a study abroad experience in a Spanish-speaking country and are strongly encouraged to participate in an internship or service-learning opportunity either as part of their study abroad experience (SPAN 4397) and/or in the United States (SPAN 3297). In some extraordinary circumstances, a waiver of the study abroad requirement may be requested from the chair of the Department of Languages and Literature. In place of studying abroad, students who are granted a waiver may be required to participate in an internship (earning a minimum of 3 semester credit hours) with a service agency, educational institution or company where Spanish is used extensively.

To earn a Bachelor of Arts in Spanish with a Medical Spanish concentration, students must demonstrate Intermediate-High level proficiency or higher in spoken Spanish according to the 2012 ACTFL proficiency guidelines. Students should arrange to take the oral proficiency exam during the semester PRIOR to the semester in which they plan to graduate. This ACTFL oral proficiency exam is

administered online for a modest fee. After taking the test, students receive a nationally-recognized certificate of their oral Spanish proficiency from ACTFL. For information on the ACTFL online test, contact Dr. Rafael Iglesias at (630) 829-6268. The ACTFL oral proficiency interview may be repeated for an additional fee until the required level of proficiency is demonstrated.

Requirements - Minor in Spanish:

A minor in Spanish consists of at least 21 semester credit hours of Spanish courses at or above the 2000 level completed with a "C" or better. Students must complete all of the following courses or equivalents approved by the department: SPAN 2201(3), SPAN 2202(3), SPAN 2211(3) and SPAN 2212(3) [heritage speakers should not take SPAN 2212 but seek departmental advice and approval for an alternative course above SPAN 2212]. Students must complete three additional courses above the SPAN 2212 level (9 semester credit hours), at least 6 semester credit hours of which must be at or above the 3000 level. Minors in Spanish must demonstrate Intermediate-Mid level proficiency or higher in spoken Spanish according to the 2012 ACTFL proficiency guidelines. Students should arrange to take the oral proficiency exam during the semester PRIOR to the semester in which they plan to graduate. This ACTFL oral proficiency exam is administered online for a modest fee. After taking the test, students receive a nationally-recognized certificate of their oral Spanish proficiency from ACTFL. For information on the ACTFL online test, contact Dr. Rafael Iglesias at (630) 829-6268. The ACTFL oral proficiency interview may be repeated for an additional fee until the required level of proficiency is demonstrated.

Requirements - Minor in Medical Spanish:

A minor in Medical Spanish consists of at least 21 semester credit hours of Spanish courses at or above the 2202 level completed with a grade of "C" or better. Students must complete all of the following courses or equivalents approved by the department: SPAN 2202, SPAN 2211, SPAN 2212 [heritage speakers should not take SPAN 2212 but seek departmental advice and approval for an alternative course above SPAN 2212], SPAN 2215 or SPAN 2216, SPAN 3350 or SPAN 3360, plus two more elective courses (6 semester credit hours) chosen from classes above the SPAN 2212 level, one of which (3 semester credit hours) must be in the area of Medical Spanish (currently, SPAN 2215, SPAN 2216, SPAN 3350, SPAN 3360, or any medically-related Spanish class or internship preapproved by the department). The second elective must be chosen from among non-Medical Spanish courses (SPAN 2221, SPAN 2230, SPAN 3231, SPAN 3310, 4311, 4312, or any Spanish class or internship preapproved by the department). Medical Spanish minors must have a minimum of 6 hours (typically two courses) of the 3000-level or above.

Minors in Medical Spanish must demonstrate Intermediate-Mid level proficiency or higher in spoken Spanish according to the 2012 ACTFL proficiency guidelines. Students should arrange to take the oral proficiency exam during the semester PRIOR to the semester in which they plan to graduate. This ACTFL oral proficiency exam is administered online for a modest fee. After taking the test, students receive a nationally-recognized certificate of their oral Spanish proficiency from ACTFL. For information on the ACTFL online test, contact Dr. Rafael Iglesias at (630) 829-6268. The ACTFL oral proficiency interview may be repeated for an additional fee until the required level of proficiency is demonstrated.

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Requirements - Teaching License:

Students who desire to be licensed to teach Spanish at grades K-12 are to declare themselves as Spanish majors and Education minors and register with the Benedictine University Education Program as teaching licensure candidates. Advising is then a joint responsibility of the Spanish Department and the School of Education.

Students must complete the requirements for a major in Spanish as well as the requirements of the Teacher Licensure Program in Education which includes the Education minor (see Education [Elementary Education, Special Education and Minors in Education and Special Education] section).

Other Information:**Demonstrating Proficiency in Spanish and Placement Credit through Department:**

A Spanish placement exam is required for students who have any previous experience in Spanish, including high school Spanish classes, home use (heritage speakers), or study abroad, and for those students who have a lapse of a year or more in their language studies.

If a student takes a Benedictine University placement exam, is placed into SPAN 1102 or higher, AND completes at least one SPAN course at Benedictine above the SPAN 1101 level in which he/she earns a grade of "C" or better, the student should submit a "[Petition for External Credit](#)" (forms available in the Academic and Career Enrichment Center and online on the Office of the Registrar page of the Benedictine University website). After completing the appropriate form, the student should print an unofficial copy of his or her transcript from MyBenU and attach it to the Petition for External Credit form. The form and the attachment should then be given to the Chair of the Department of Languages and Literature for approval of departmental placement credit. Under NO CIRCUMSTANCES will academic credit or waiver of a language requirement be awarded on the basis of performance on the placement exam alone.

Students seeking a Spanish major or minor should be aware that courses below the SPAN 2201 level, although they count as hours toward graduation, do NOT fulfill any requirement for the major or the minor. All students should be aware that a maximum of 9 hours of placement credit in Spanish for language courses are allowed per student. Therefore, if, for example, a student places into SPAN 2202 or above and has received AP, IB or CLEP credit for SPAN 1101 (3 credit hours) and SPAN 1102 (3 credit hours), that student cannot also receive 9 credit hours of departmental placement credit for any of Benedictine University's elementary and intermediate language courses (SPAN 1101-2202). This rule does not apply to credit obtained through the AP Spanish Literature exam, which typically will be accepted at Benedictine University as the equivalent of SPAN 2291 (3 credit hours). Once posted to the student's transcript, AP, CLEP or IB credit cannot be removed, therefore it is highly recommended that students pursuing or considering a major or minor in Spanish consult with the Chair of the Department of Languages and Literature before posting AP, IB, or CLEP credit. The granting of external credit for courses at or above the SPAN 2211 level will only be considered in exceptional circumstances. Students should also be aware that 2211/2212 are parallel courses and not sequential courses so that completing 2212 does not imply proficiency in 2211.

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New External Credit Articulation in Modern Languages (IB, AP, CLEP, Seal of Biliteracy, and Credit through Department)

AP SCORE (LANGUAGE)	1	2	3	4	5
Credit hours granted *	0	0	SPAN 2201(3)	SPAN 2201(3) + SPAN 2202(3)	SAME AS 4
Placement (students may choose to take the WebCAPE placement test to potentially obtain a higher placement)	SPAN 1102	SPAN 2201	SPAN 2202	SPAN 2211	SAME AS 4
Potential additional external credit through department **	SPAN 1101(3)	SPAN 1101(3) + SPAN 1102(3)	SPAN 1101(3) + SPAN 1102(3)	SPAN 1102(3)	SAME AS 4

AP SCORE (LITERATURE)	1	2	3	4	5
Credit hours granted ***	0	0	SPAN 2291(3)	SPAN 2291(3) + QLR	SAME AS 4

SEAL OF BILITERACY	
Credit hours granted *	SPAN 1101(3) + SPAN 1102(3)

IB SCORE (GROUP 2 – LANGUAGE ACQUISITION)	1	2	3	4	5	6
Credit hours granted *	0	0	0	SPAN 2201(3)	SPAN 2201(3) + SPAN 2202(3)	SAME AS 5
Placement (students may choose to take the WebCAPE placement test to potentially obtain a higher placement)		SPAN 1102	SPAN 2201	SPAN 2202	SPAN 2211	SAME AS 5
Potential additional external credit through department **		SPAN 1101(3)	SPAN 1101(3) + SPAN 1102(3)	SPAN 1101(3) + SPAN 1102(3)	SPAN 1102(3)	SAME AS 5

* The total number of credit hours granted in a modern language, regardless of mode—AP, IB, CLEP, Seal of Biliteracy, and Credit through Department—cannot exceed 9.

** In order to obtain credit through the department, the BenU class in which the student was placed (or any other pre-approved by the department) must be taken and completed with “C” or higher.

*** The three hours obtained by posting this credit do NOT count toward the 9 credit-hour limit for modern language placement credit.

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Demonstrating Language Proficiency in Languages Other than Spanish:

Candidates for the B.A. degree in some programs (e.g., English Language and Literature, History, Philosophy, Writing and Publishing, Theology) are required to demonstrate competency in a second language by successful completion of at least one language course typically at or above the 2202 level. Students in the Scholars Program are required to demonstrate the ability to speak, read and write a second language at a level equivalent to six semesters of college study (completion of 2211 and 2212).

In addition to the major and minor programs in Spanish, the Department of Languages and Literature offers courses in Arabic and a minor in Chinese. Benedictine University students can also use the University's consortium agreements with North Central College and Aurora University to take courses in languages not offered at Benedictine. Students who want to take advantage of these agreements must obtain a "Consortium Exchange Course Authorization" form from the Office of the Registrar (approval from the student's academic advisor and the consortium University's registrar are necessary before a student may register for a course at the host institution).

While the final decision regarding fulfillment of a student's second language proficiency requirement rests with the student's program, the Department of Languages and Literature has traditionally helped students in other programs satisfy these requirements by proctoring proficiency examinations in Arabic, Chinese (Mandarin), French, German, Korean, Pashto, Persian, Punjabi, Russian and Spanish. Writing (online-based or paper and pencil exams) and/or oral proficiency examinations (conducted online or by phone interviews) in dozens of other languages can also be arranged through LTI (Language Testing International), a partner of the American Council on the Teaching of Foreign Languages (ACTFL). It is the student's responsibility to pay the fee associated with these proficiency examinations. For information on the ACTFL language proficiency tests, contact Dr. Rafael Iglesias at (630) 829-6268 or Dr. Beth Vinkler at (630) 829-6264.

Placement Tests versus Language Proficiency Examinations:

It is important to understand that placement tests and language proficiency examinations are fundamentally different.

Placement exams (via WebCAPE and/or interview with instructor) simply allow academic advisors to identify a language course offered at Benedictine University (in Arabic, Chinese, or Spanish) in which students are most likely to succeed given their current level of proficiency, but under no circumstances are they used by themselves to grant credit and/or to fulfill any graduation requirement. Only if a student takes a Benedictine University language placement exam, is placed into a 1102-level class or above, AND completes at least one language course at Benedictine above the 1101 level in which he/she earns a grade of "C" or better, can he/she then petition for up to 9 semester credit hours of departmental external credit (in addition to any credit earned by passing the course itself). If, for example, a student is placed in CHIN 2202 (3 semester credit hours), and he/she passes this course with a "C" or better, credit for CHIN 1101(3), CHIN 1102(3) and CHIN 2201(3) can be requested by submitting a "Petition for External Credit" form as long as no AP, CLEP or IB credit in Chinese has been earned for these courses or equivalents.

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ACTFL language proficiency examinations, on the other hand, are closely proctored and more comprehensive and rigorous than placement tests. As such, they are designed to determine whether students have reached the proficiency level necessary to satisfy the language requirement of a particular program.

For more information about language proficiency testing procedures, please contact the department chair, Dr. Rafael Iglesias at (630) 829-6268 or riglesias@ben.edu.

Study Abroad and Internships:

All majors and minors in languages are strongly encouraged to spend at least a summer, and preferably a semester, studying abroad. This experience is vital in that it gives the student the opportunity to experience firsthand the culture he or she has studied at Benedictine. It also provides intensive real-life language exposure and practice that simply cannot be replicated in the classroom.

Benedictine students have access to a variety of internship opportunities (highly recommended for students pursuing a major or minor in Medical Spanish) and study abroad programs through Benedictine University and other accredited institutions. The languages faculty, in cooperation with the staff of the Office of International Programs and Services, will assist each student in selecting the program best suited to his or her interests, and scheduling and financial needs.



Benedictine
University

Special Education

College: College of Education and Health Services

Department: Teacher Education

Student Type: Traditional Undergraduate

Degree: Bachelor of Arts

Requirements - Major: See Education [Elementary Education, Special Education and Minors in Education and Special Education] section.

Requirements - Minor: See Education [Elementary Education, Special Education and Minors in Education and Special Education] section.

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Sport and Exercise Science

College: College of Education and Health Services

Department: Education

Student Type: Traditional Undergraduate

Degree: Bachelor of Science

Faculty:

Program Director: Marshall J. Milbrath, Ph.D.
Annmarie Chizewski, Ph.D.

Lecturers:

Regina Schurman, Ed.D.
Nicole Gorman, M.S.Ed.
LaMarr Magnus, M.S.
Nathan VanRaden, M.S., ATC, PES
Joel Bonnett, M.Ed.
Sterling Richards, M.S.
Sean Stochl, M.S., 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 Sport and Exercise Science program provides opportunities to:

1. Learn applied functional knowledge of anatomy, physiology, and kinesiology.
2. Learn the ability to assess athletes and clients and apply assessment data to exercise prescription.
3. Learn the ability to organize and implement training programs.
4. Learn knowledge, skills, and abilities to enter into a role as an exercise professional or continue into graduate study.
5. Pass the exam for the Certified Strength and Conditioning Specialist certification administered by the National Strength and Conditioning Association.

Requirements - Cognates:

Sport and Exercise Science majors must pass the following cognate courses with a "C" or better: Two SES 1000-level electives, SES 1107, BIOL 1197(3), BIOL 1155 or BIOL 1157(4), CHEM 1101(3), PSYC 2250(3), NUTR 2201(3), BIOL 2206(3), and 2207(1), SES 2200(3), SES 2216(3), SES 2237(3), and SES 2270(2).

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Students transferring into the major within the university or transferring into Benedictine University may substitute cognate courses with comparable coursework at the discretion of the program director.

Requirements - Major:

Sport and Exercise Science majors must pass the following major courses with a "C" or better at Benedictine University: SES 3302(3), SES 3355(3), SES 3261(3), SES 3303(3), SES 3265(3), SES 4201(3), SES 4314(3), SES 4313(3), SES 4310 or 4319(3), and SES 4499(2).

Sport and Exercise Science majors must also pass the following field experiences and internship: SES 3297(1), SES 3298(1), SES 3299(1), and SES 4399(3).

Electives:

Sport and exercise majors may also take elective courses above the requirements of the major. Sport and Exercise Science electives include: SES 3275(3), SES 3375(3), SES 4323(3), SES 4284(3), SES 3326(3), SES 4391(3).

Additionally, the SES program provides the opportunity for students to complete prerequisite coursework that makes them eligible to apply for graduate programs in athletic training. Prerequisites for graduate programs in athletic training vary between universities. Therefore, students are encouraged to work closely with an advisor to determine which courses are most appropriate for their specific graduate school plans. Students majoring in SES who are interested in progressing towards admission to graduate programs in athletic training should complete at least fifteen (15) credits in coursework including but not limited to: CHEM 1102(1), CHEM 1103(2), CHEM 1109(2), HLSC 2291(2), MATH 1111(3), PHYS 1113(3), PHYS 1114(1), PHYS 1118(3), and PHYS1119 (1)

Studio Art

College: College of Liberal Arts

Department: Art

Student Type: Traditional Undergraduate

Degree: Bachelor of Arts

Faculty:

William Scarlato, M.F.A. Department Chair

Hai Ri Han, M.F.A.

Teresa Parker, M.F.A. Curator of the Art Collection

Senior Lecturers:

David Marcet, Senior Lecturer, M.F.A.

Jennifer Scavone, Senior Lecturer, M.A.

Vincent Lucarelli, Senior Lecturer, B.A.

Adjunct Faculty:

Lynn Mackenzie, M.A.

James Bulosan, M.A. A.T.

Mary Zabrin, B.S.

Objectives:

1. Train students to produce works of art within the traditional and contemporary traditions of Western Art, 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 worthy 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 Studio Art major must complete the following courses with a "C" or better: FNAR 1101(3) or FNAR 1105(3), FNAR 1103(3), FNAR 2111(3), FNAR 2203(3), FNAR 2204(3), FNAR 2206(3), FNAR 3210(3), FNAR 3211(3), FNAR 2250(3), choice of two 2000-level Printmaking FNAR 2240(3), FNAR 2241(3), FNAR 2242(3), or FNAR 2243(3); FNAR 2293(3), FNAR 2294(3), FNAR 4311(3), FNAR 4350(3), FNAR 4398(3).

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Medium Discipline:

After the sophomore year the student will choose a medium discipline. Two courses (6 credit hours) must be taken from an artistic medium in the following selection: Painting: FNAR 3260(3), FNAR 4305(3); Printmaking: FNAR 3244(3), FNAR 4340(3); Photography FNAR 3295(3), FNAR 4394(3).

Two Art Minor Programs:

21 credit hours (seven courses) are required for each minor.

Fine Arts: FNAR 1101(3), FNAR 2111(3), FNAR 2203(3), FNAR 2204(3), choice of one 2000-level Studio Art course and choice of two 3000-level Art courses.

Graphic Design: FNAR 1111(3), GAD 2205(3), GAD 2230(3), choice of one Art History course, GAD 2260(3), choice of GAD 2360(3) or GAD 4300(3); GAD 3393(3).

Studio Art/Art Therapy Concentration**Objectives:**

1. To educate the Studio Art major by which a student will be instructed to master an artistic medium along with the knowledge of the Art Historical Tradition.
2. To introduce students to the nature of the Art Therapy profession by creating an Art Therapy concentration.
3. To offer an internship course in Art Therapy to give students first-hand knowledge of the discipline.
4. To prepare students with a portfolio to enter an MA degree program in Art Therapy. (Note: graduate school is a necessary step to being an art therapist.)
5. To educate students to understand and appreciate the therapeutic nature of making art.
6. To instill the Catholic, Benedictine identity in the program, especially as it relates to the spiritual Mission and Commitment the University espouses, particularly: the stewardship of the arts; fostering life and dignity of the human person; listening with consequent action; and the development of a profound awareness of the meaning of one's existence.

Requirements - Major:

The Studio Art/Art Therapy Concentration major must complete the following courses with a "C" or better: FNAR 1101(3) or FNAR 1105(3), FNAR 1103(3), FNAR 2111(3), FNAR 2203(3), FNAR 2204(3), FNAR 2206(3), FNAR 3210(3), FNAR 3211(3), FNAR 2250(3); Choose one of two: FNAR 2293, FNAR 2294; Choose one from four 2000-level Printmaking: FNAR 2240(3), FNAR 2241(3), FNAR 2242(3), FNAR 2243(3); FNAR 4350.

Medium Discipline:

Choose one discipline (6 credit hours) from three: Painting-FNAR 3260, FNAR 4305, Printmaking-FNAR 3244, FNAR 4340, Drawing/Watercolor-FNAR 2291, FNAR 4311.

Art Therapy Courses: (12 Credit hours): ARTH 2290, ARTH 3298, ARTH 3300, ARTH 4398.



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Cognate Courses: (12 credit hours): PSYC 1100 (satisfied by QIO core), any 2000 level Psychology course; PSYC 3300, PSYC 3302. (For descriptions of Fine Art courses look under the section of the catalog for Fine Arts.)

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Theology

College: College of Liberal Arts

Department: History, Philosophy and Theology

Student Type: Traditional Undergraduate

Degree: Bachelor of Arts

Faculty:

Martin Tracey, Ph.D., Department Chair

Christine Fletcher, Ph.D.

Rita George-Tvrtković, Ph.D.

Peter Huff, Ph.D.

Joseph Incandela, Ph.D.

John Kloos, Ph.D., Professor Emeritus

Fr. Philip Timko, O.S.B., S.T.D., Professor Emeritus

Lecturers:

Fr. Julian von Duerbeck, O.S.B., M.A.

William Toma, S.T.D.

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Objectives:

Our program is designed for a layperson who wishes to apply Catholic theology to the great questions of human life. Our goal is to prepare students for an intellectual engagement with the Catholic tradition which they will bring to their workplace, home and community.

Students in Theology will:

1. Show knowledge of the fundamentals of Catholic Scripture and Tradition, and what they say about God, humanity, the natural world and virtuous living.
2. Understand the study of religion as an interdisciplinary task, relating to the arts and humanities on the one hand, and the social sciences on the other.
3. Show knowledge of Catholic views on religious diversity.
4. Engage ethical problems thoughtfully and actively, and contribute to the work of peace and justice.

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Requirements - Major:

Theology majors must complete, with a grade of "C" or better, at least 36 semester credit hours of Theology courses. At least 18 semester credit hours must be at the 3000 level or above, of which 6 semester credit hours must be at the 4000 level or above. The 36 semester credit hours must include THEO 2150; one course from THEO 1101(3), THEO 1102(3) or THEO 1103(3); one from THEO 2223(3), THEO 2162(3) THEO 2270(3), THEO 2281(3) or RELS 2285(3); one from THEO 2207(3), THEO 2208(3) or THEO 2252(3); one from THEO 2104(3), THEO 2235(3), RELS 2120(3), RELS 2130(3), RELS 2230(3), or RELS 2265(3); one from THEO 2203(3), THEO 2204(3), THEO 2291(3), or any other RELS or THEO course listed above; and THEO 3307(3), THEO 3308(3), THEO 3323(3), THEO 3381, THEO 4405, and THEO 4399. In addition, majors must complete either four semesters of a single language (other than English) or two semesters each of two different languages (other than English). MDLG courses up through 2202 used towards the language requirement do not count towards the 36 semester credit hours for the major.

One Writing Intensive course must be completed within the major.

Requirements - Minor:

Theology minors must complete, with a grade of "C" or better, 15 semester credit hours of Theology courses. At least 6 semester credit hours must be at the 3000-level or above. The 15 semester credit hours must include one course (3) from THEO 1101(3), THEO 1102(3), or THEO 1103(3); one from THEO 2207(3), THEO 2208(3), THEO 2104(3), THEO 2223(3), THEO 2150(3), THEO 2162(3), THEO 2281(3); and three courses (9 credit hours) from THEO 3307(3), THEO 3308(3), THEO 3323 or THEO 3381(3). Transferable credit toward the minor limited to 6 semester credit hours.

Writing and Publishing

College: College of Liberal Arts

Department: Communication Arts

Student Type: Traditional Undergraduate

Degree: Bachelor of Arts

Faculty:

Peter B. Seely, M.A., Department Chair

Zubair Amir, Ph.D.

Christopher Birks, M.A.

Wilson Chen, Ph.D.

Jean Marie Kauth, Ph.D.

Luigi Manca, Ph.D.

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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;

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16. Develop professional-level production skills for both print and electronic media;
17. Encourage the development of creative expression; and
18. Help the student develop a professional media portfolio.

Requirements - Major:

Writing and Publishing majors must complete 39 semester credit hours of courses offered in the Communication Arts and Languages 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 3207(3), 2208(3), 2209(3), 3393(3), 4317(3), 3353(3).
2. A core of the following five language and literature courses: LITR 2298(3), 2299(3), 2269(3); one course from LITR 2279(3), 2280(3) or 2281(3); and one course from LITR 3362(3) or SPAN 3310(3).
3. One theory elective from the following courses: COMM 3303(3), 3304(3), 3384(3), 3385(3), 3388(3), 3390(3); LITR 3305(3), 3381(3).
4. One elective from the following courses: COMM 3337(3), 3381(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. Writing and Publishing majors are also required to demonstrate proficiency in a second language by completing at least one language course at the 2202 level or higher or by passing a proficiency exam. The second language requirement does not count towards the 39 semester credit hours for the major. LITR 2299 must be taken at Benedictine University.

Requirements - Other:

Writing and Publishing major for Pre-Law minors: 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 Distribution Requirements: PHIL 2260 or 3355(3) and a history course; ECON 2101(3), ACCT 1111(4), PLSC 1102(3) and Statistics; CMSC 1100(3), and BIOL 1197(3) or 1198(3).

AREAS OF EMPHASIS

Emphasis in Advanced Digital Marketing for the Working Professional

Student Type: Adult Accelerated Degree-Seeking Undergraduate

Objectives:

1. Program prepares students to create, implement and evaluate digital marketing strategic plans in the workplace.
2. Program provides practice with authentic digital marketing tools and software used in workforce setting.
3. Program provides opportunities to complete authentic industry certifications in the process of taking courses, such as an official certification from Google Analytics.

Requirements:

Complete 12 semester credit hours, with a grade of "C" or better, from the following: MKTG 3336(3), MKTG 3337(3), MKTG 3338(3), MKTG 3339(3).

Emphasis in Digital Marketing for the Working Professional

Student Type: Adult Accelerated Degree-Seeking Undergraduate

Objectives:

1. Program prepares students to create, implement and evaluate digital marketing strategic plans in the workplace.
2. Program provides practice with authentic digital marketing tools and software used in workforce setting.
3. Program provides opportunities to complete authentic industry certifications in the process of taking courses, such as an official certification from Google Analytics.

Requirements:

Complete 12 semester credit hours with a grade of "C" or better from the following: MKTG 2241(3), MKTG 2242(3), MKTG 2243(3), MKTG 2244(3).

Emphasis in Environmental Studies

Student Type: Traditional Degree-Seeking Undergraduate

Objectives:

1. To inculcate a sense of environmental stewardship and responsibility.
2. To educate students in global environmental issues, methods, associated socioeconomic concerns, and ethical problems.

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3. To provide students with competencies that will be attractive to employers and graduate programs, given the growing attention to environmental issues and studies.

Requirements:

Complete 12 semester credit hours, with a grade of "C" or better, from at least two different colleges from the following: ANTH 2291 (when dedicated to an environmental theme), ANTH 3309, BIOL 1180, BIOL 1191 (when dedicated to an environmental theme), BIOL 2205, BIOL 2281 (when dedicated to an environmental theme), BIOL 2290, BIOL 3300, BIOL 4322, BIOL 5325, BIOL 3330, BIOL 4363, BIOL 4364, BIOL 3391 (when dedicated to an environmental theme), BIOL 4394, ECON 3291/4391 and INTB 3291/4391 Topic: Environmental Economics, BIOL 2205, ENVS 210 (no longer offered), ENVS 211 (no longer offered), ENVS 4398, GEOG 1106 (when dedicated to an environmental theme), GLBS 1101, IDS 2202, IDS 2204, IDS 3302, IDS 3304, LITR 2241, MGT 1120, MGT 1125, NTSC 210 (no longer offered), PHIL 2248, PHIL 3348, PLSC 2210 (when dedicated to an environmental theme), PLSC 2215 (when dedicated to an environmental theme), RELS 140 (when dedicated to an environmental theme, no longer offered), RELS 191 (when dedicated to an environmental theme, no longer offered), SOCL 2240 (when dedicated to an environmental theme), SOCL 3350 (when dedicated to an environmental theme), THEO 2104 (when dedicated to an environmental theme).

Emphasis in Human Resource Management

Student Type: Adult Accelerated Degree-Seeking Undergraduate

Objective:

The program prepares human resources professionals, as well as new and experienced managers, for a constantly evolving workplace by focusing on the fundamental issues related to employee recruitment, employee performance, compensation and benefits and employee law.

Requirements:

Complete 12 semester credit hours with a grade of "C" or better from the following: MGT 2262(3), MGT 2264(3), MGT 2266(3), MGT 2270(3).

Emphasis in Interfaith Studies

Student Type: Traditional Degree-Seeking Undergraduate

Objectives:

1. To assist students of any major in becoming interfaith leaders conversant in the theory and practice of interfaith engagement, as related to a variety of disciplines and their future careers.
2. To teach students transferable skills including interviewing basics; techniques for dialogue; transcribing oral histories; and operating equipment related to digitizing oral histories in the University Archives.
3. To help make students more attractive in the job market, given the diversity of Chicagoland and our nation, and the need for sensitivity to interreligious issues in nearly every field.

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Requirements:

Complete 12 semester credit hours (four 3-semester-credit-hour courses), with a grade of "C" or better, plus a co-curricular course (0 semester credit hours). Completion of the emphasis also meets the requirements for Engaged Learning. The courses are distributed as follows:

1. One introductory course: choose either RELS 2285 Religion in America or THEO 2235 Interreligious Dialogue.
2. One co-curricular course, either INQ 1111 Interfaith Oral History Archives or LCOM 112 Christian-Muslim Dialogue. INQ 1111 is a one-semester, 0 semester credit hour, P/F, Engaged Learning course requiring previous completion of (or co-enrollment in) either THEO 2235 or RELS 2285. LCOM 1112 Christian-Muslim Dialogue is a one-semester, 0 semester credit hour, P/F, Engaged Learning Course. Students will participate in a bi-weekly lunch dialogue to discuss current events and study scripture together.
3. Three elective courses, chosen from any of the approved courses on the list below. Only courses in which a student has earned a grade of "C" or better may be applied to the certificate. Any credit completed for the certificate may also be applied to fulfill general education, major or minor requirements.

Approved courses:

BIOL 3313 Evolution

HIST 2273 Empires of the Islamic World 1258-1800

HIST 2291 History of the Silk Road

HIST 2291 Apocalypses and World History

IDS/HNRS 2201 History of Christian-Muslim Relations

IDS 2201 Search for Origins

IDS 2201 Jesus & Mary in Qur'an & Bible

IDS 3301 Malcolm, Mahatma, Mandela, Martin

INQ 1111 Interfaith Oral History Archives

LCOM 1112 Christian-Muslim Dialogue

LITR 1150 Muslim Women's Literature

LITR 1150 Qur'an as Literature

LITR 2279 U.S. Multiethnic Literature

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MGT 254 Interfaith Issues in Management (no longer offered)

MKTG 3348 Content Development

PLSC 2247 Religion & Politics

PLSC 2216 Genocide

RELS 2120 Eastern Traditions

RELS 2130 Abrahamic Faiths

RELS 2230 Introduction to Judaism

RELS 2265 Eastern Christianity

RELS 2285 Religion in America

THEO 225 Pilgrimage (no longer offered)

THEO 2235 Interreligious Dialogue

THEO 2252 Business Ethics in the Context of Catholic Social Teaching

Emphasis in Marketing

Student Type: Adult Accelerated Degree-Seeking Undergraduate

Objective:

The program expands student knowledge of marketing and consumer behavior with an emphasis on understanding market, product, price, promotion and place of distribution.

Requirements:

Complete 12 semester credit hours, with a grade of "C" or better, from the following: MKTG 2300(3), MKTG 3310(3), MKTG 4330(3), MKTG 4350(3).

Emphasis in Theology in Life

Student Type: Traditional Degree-Seeking Undergraduate

Objectives:

1. To help students discern their calling and create a life of meaning and purpose whatever career they choose.

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2. To develop knowledge of the fundamentals of Catholic Scripture and Tradition, and what they say about God, humanity, the natural world, and virtuous living.
3. To understand the study of religion as an interdisciplinary task, relating to the arts and humanities on the one hand, and the social sciences on the other.

Requirements:

Complete 12 semester credit hours, with a grade of "C" or better, from the following: THEO 1101(3), THEO 1102(3), THEO 1103(3), THEO 2104(3).

Emphasis in White Collar Crime

Student Type: Adult Accelerated Degree-Seeking Undergraduate

Objectives:

All programs take a critical criminology approach to criminality and an understanding of the Criminal Justice System. The program will expand a student's knowledge and understanding of the often-forgotten issues of crime. The harm and damage white collar crime has on society at the environmental, financial and personal level cannot be overlooked. Through a critical criminological approach white-collar, environmental, cyber, and corporate crimes are examined focusing on violations of criminal law, civil law, and morality. Students ascertain these issues to create research-based recommendations toward public policy.

1. Inform them of criminology research into criminal and juvenile justice agencies (police, courts, and corrections).
2. Teach them a critical criminology approach toward understanding our criminal justice and juvenile justice system to create research-based recommendations toward public policy.
3. Introduce them to statistics and research methods of criminology.
4. Provide them with a broad background applicable to the wide variety of careers available with a bachelor's degree.
5. Serve as a basis for graduate work in sociology, social work, criminal justice, life span services, or legal studies.

Requirements:

Complete 15 semester credit hours with a grade of "C" or better from the following: CJUS 2260(3), SOCL/CJUS 3316(3), CJUS 2245(3), CJUS 2266(3), CJUS 2275(3).

COURSE DESCRIPTIONS

Academic Discourse Undergraduate

ADU 1100 Introduction to Spoken Academic Discourse. (Formerly 110) This course for non-native speakers of English enrolled in undergraduate degree programs focuses on developing advanced listening and speaking skills for a range of academic purposes, disciplines, and audiences. 3 semester credit hours. Typically offered: Fall Term. *Department Consent Required.*

ADU 1101 Introduction to Academic Discourse. (Formerly 101) This course for non-native speakers of English enrolled in undergraduate degree programs focuses on the development of reading, writing, and study skills for a range of academic purposes, disciplines, and audiences. 3 semester credit hours. Typically offered: Fall Term. *Department Consent Required.*

ADU 1102 Success in the American Classroom. (Formerly 102) This course for non-native speakers of English enrolled in undergraduate degree programs integrates and extends academic discourse skills practiced in ADU 1101, with a focus on longer writing assignments, oral presentation skills, and discipline-specific research and writing. 3 semester credit hours. Typically offered: Spring Term. *Department Consent Required.*

ADU 1113 Self-Guided Skills Lab. (Formerly 113) Sequence of individual study sessions for non-native speakers of English enrolled in undergraduate degree programs using on-line and other self-paced materials. 1.5 semester credit hours. Typically offered: Periodically. *Course Repeatable. Maximum number of units allowed 18.*

ADU 1114 Advanced Academic Skills Lab. (Formerly 114) Sequence of study groups and activities for non-native speakers of English enrolled in undergraduate degree programs that support advanced academic skills across the curriculum. 1.5 semester credit hours. Typically offered: Periodically. *Course Repeatable. Maximum number of units allowed 18.*

Accounting

ACCT 1111 Accounting I. (Formerly 111) Principles of financial accounting; including the basic structure of accounting, accounting systems, internal controls, the preparation and use of financial statements, and problems related to financial disclosures. Credit will not be granted for both ACCT 1111 and ACCT 100. Prerequisite: MATH 1105 or MATH 1110 or co-registration in MATH 1105 or MATH 1110. 3 semester credit hours. Typically offered: Fall and Spring Terms.

ACCT 1112 Accounting II. (Formerly ACCT 112) Principles of managerial accounting; including cost accounting, planning and control systems, and analysis and interpretation of financial statements. Prerequisite: ACCT 1111. 3 semester credit hours. Typically offered: Fall and Spring Terms.

ACCT 2120 VITA Service Learning. (Formerly 120) 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 online IRS exam, and participate at the volunteer income tax advising site. 1 semester credit hour. *Department Consent Required. Course Repeatable. Maximum number of units allowed 3.*

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ACCT 2211 Intermediate Accounting I. (Formerly 211) A thorough study of balance sheet accounts integrated with an analysis of their relationship to the income statement. Prerequisite: ACCT 1111. 3 semester credit hours. Typically offered: Fall Term.

ACCT 2212 Intermediate Accounting II. (Formerly 212) A thorough study of balance sheet accounts integrated with an analysis of their relationship to the income statement. Prerequisite: ACCT 2211. 3 semester credit hours. Typically offered: Spring Term.

ACCT 3297 Internship. (Formerly 297) Practical experiences in business related fields under the supervision of the program coordinator. 2-6 semester credit hours. Engaged Learning. Typically offered: Periodically. *Department Consent Required. Course Repeatable. Maximum number of units allowed 12.*

ACCT 3309 Accounting Information Systems Laboratory. (Formerly 309) Students will understand and use accounting software to complete projects related to business processes. Prerequisite: ACCT 1111 and ACCT 1112 and Sophomore standing. 2 semester credit hours. Typically offered: Fall Term.

ACCT 3310 Accounting Information Systems. (Formerly 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. Sophomore standing. Prerequisite: ACCT 1111 and ACCT 1112. 3 semester credit hours. Typically offered: Fall Term.

ACCT 3311 Cost Accounting. (Formerly 311) A comprehensive study of methods used to develop cost information for manufacturing and service operations and of models for business planning and control. Prerequisite: ACCT 1112. 3 semester credit hours. Typically offered: Fall Term.

ACCT 3312 Federal Taxation. (Formerly 312) An introductory study of federal regulations covering income taxation of individuals and businesses. Prerequisite: ACCT 1112. 3 semester credit hours. Typically offered: Fall Term.

ACCT 3391 Topics. (Formerly 391) Specially designed courses in various business topics to supplement the business curriculum. Prerequisite: Varies based upon the specific topic being explored. 1-3 semester credit hours. *Course Repeatable. Maximum number of units allowed 12.*

ACCT 4313 Auditing and Assurance Services. (Formerly 313) An intensive study of PCAOB auditing standards, generally accepted auditing standards and procedures. Prerequisite: ACCT 2212. 3 semester credit hours. Typically offered: Fall Term.

ACCT 4315 Advanced Accounting. (Formerly 315) A study of the accounting methods for consolidations, foreign subsidiaries, governmental organizations, non-profit entities, and partnerships. Prerequisite: ACCT 2212. 3 semester credit hours. Typically offered: Spring Term.

ACCT 4316 Accounting Research. (Formerly 316) Students will become familiar with sources of accounting standards and current information affecting the accounting profession. Their communication and research skills will be used to learn about and report on the reasoning behind the development of accounting standards and current issues in accounting. This course is required by the State of Illinois for CPA candidates. Prerequisite: ACCT 2212 and Junior standing. 2 semester credit hours. Typically offered: Spring Term.

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American Studies

AMS 2200 U.S. Cultural Studies. (Formerly 200) 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 credit hours.

Anthropology

ANTH 2200 Cultural Anthropology. (Formerly 200) Study of the origins of mankind and culture. Development of human language, culture, and institutions, cross cultural analysis of societies, and cultures. 3 semester credit hours. Global, QIO.

ANTH 2208 The Anthropology of the Third World. (Formerly 208) A study of developing nations. Analyzes the relationship between culture, environment, and society in economic spheres, emphasizing the Third World. 3 semester credit hours. Global Course.

ANTH 2210 Peoples and Cultures of World Regions. (Formerly 210) Alternating People/Cultures of Latin America, Africa and East Asia. Global Course. 3 semester credit hours. Global Course.

ANTH 2291 Topics in Anthropology. (Formerly 291) Topics such as globalization, cultural survival of indigenous peoples, Native American cultures, development and readings in anthropology. 3 semester credit hours. Typically offered: Periodically. *Course Repeatable. Maximum number of units allowed 3.*

ANTH 2295 Independent Study. (Formerly 295) Directed readings, independent research, or student projects on areas of individual academic interest; topics, meeting times, and outcomes arranged with instructor. 3 semester credit hours. *Department Consent Required.*

ANTH 3309 People, Culture & Environment. (Formerly 309) The relationship between environment and social organization including subsistence activities, resource exploitation and development. 3 semester credit hours. Global and Sustainability.

Arabic

ARBC 1101 Elementary Arabic I. (Formerly 101) Introduction to the basic structure of the language. Designed to enable the student to develop oral proficiency and written skills. No prerequisite. One optional lab hour (required for minors). 3 semester credit hours. Typically offered: Fall Term.

ARBC 1102 Elementary Arabic II. (Formerly 102) Continued study of the basic structure of the language. Designed to enable the student to continue to develop oral proficiency and written skills. 3 semester credit hours plus one optional lab hour (required for minors). Prerequisite: ARBC 1101 or placement. 3 semester credit hours. Typically offered: Spring Term.

ARBC 1105 Elementary Arabic I through Study Abroad. (Formerly 105) Credit for language courses taken in accredited programs overseas. Variable credit based on total contact hours. 1-3 semester credit hours. Typically offered: Periodically.

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ARBC 1106 Elementary Arabic II through Study Abroad. (Formerly 106) Credit for language courses taken in accredited programs overseas. Variable credit based on total contact hours. 1-3 semester credit hours. Typically offered: Periodically.

ARBC 1108 Elementary Arabic I Lab. (Formerly 108) Language Lab 1: Involves small-group work and/or oral practice outside class with native language assistant on a regular basis throughout the semester. Co-registration with ARBC-1101 required. Typically offered: Periodically.

ARBC 1109 Elementary Arabic II Lab. (Formerly 109) Language Lab 2: Involves small-group work and/or oral practice outside class with native language assistant on a regular basis throughout the semester. Co-registration with ARBC-1102 required. Typically offered: Periodically.

ARBC 1195 Introduction to Study Abroad. (Formerly 195) Intermediate-level study of topics in Arabic literature culture and/or civilization. Prerequisite: Departmental Consent. 1-3 semester credit hours. Typically offered: Periodically. *Department Consent Required. Course Repeatable. Maximum number of units allowed 12.*

ARBC 2201 Intermediate Arabic I. (Formerly 201) Review of the basic structure of the language. Emphasis on extensive language practice in simulated cultural settings in order to enable students to continue to develop their oral and written proficiency. Prerequisite: ARBC 1102 or placement. 3 semester credit hours plus one optional lab hour (required for minors). 3 semester credit hours. Global Course. Typically offered: Fall Term.

ARBC 2202 Intermediate Arabic II. (Formerly 202) Continued review of the basic structure of the language. Emphasis on extensive language practice in simulated cultural settings in order to enable students to continue to develop their oral and written proficiency. Prerequisite: ARBC 2201 or placement. 3 semester credit hours plus one optional lab hour (required for minors). 3 semester credit hours. Global Course. Typically offered: Spring Term.

ARBC 2205 Intermediate Arabic I through Study Abroad. (Formerly 205) Credit for language courses taken in accredited programs overseas. Variable credit based on contact hours. 1-3 semester credit hours. Typically offered: Periodically.

ARBC 2206 Intermediate Arabic II through Study Abroad. (Formerly 206) Credit for language courses taken in accredited programs overseas. Variable credit based on contact hours. 1-3 semester credit hours. Typically offered: Periodically.

ARBC 2208 Intermediate Arab I Lab. (Formerly 208) Language Lab 3: Involves small-group work and/or oral practice outside class with native language assistant on a regular basis throughout the semester. Co-registration with ARBC-2201 required. Typically offered: Periodically.

ARBC 2209 Intermediate Arabic II Lab. (Formerly 209) Language Lab 4: Involves small-group work and/or oral practice outside class with native language assistant on a regular basis throughout the semester. Co-registration with ARBC-2201 required. Typically offered: Periodically.

ARBC 2211 Intermediate Grammar and Composition. (Formerly 211) Comprehensive review and synthesis of Arabic 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. Prerequisite: ARBC 2202 or placement. 3 semester credit hours. Global Course. Typically offered: Fall Term.

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ARBC 2218 Intermediate Grammar and Composition Lab. (Formerly 218) Language Lab 5: Involves small-group work and/or oral practice outside class with native language assistant on a regular basis throughout the semester. Co-registration with ARBC-2211 required (if/when offered). 1 semester credit hour. Typically offered: Periodically.

ARBC 2219 Intermediate Oral Communications Lab. (Formerly 219) Language Lab 6: Involves small-group work and/or oral practice outside class with native language assistant on a regular basis throughout the semester. Co-registration with ARBC-3212 required (if/when offered). 1 semester credit hour. Typically offered: Periodically.

ARBC 2250 Themes in Arabic Literature. (Formerly 250) Themes in Arabic Literature. Provides Arabic minors with an introduction to Arabic literature in translation, although some readings and/or assignments will be in Arabic. This class does count towards the Minor in Arabic. Prerequisite: ARBC 2211, or departmental permission. 3 semester credit hours. Typically offered: Periodically.

ARBC 2291 Intermediate Topics in Arabic Language, Literature and Culture. (Formerly 291) Intermediate-level study of topics in Arabic literature, culture, and/or civilization. Prerequisite: ARBC 2211, or department consent. 3 semester credit hours. Typically offered: Periodically. *Department Consent Required. Course Repeatable. Maximum number of units allowed 12.*

ARBC 2295 Independent Study. (Formerly 295) Designed for the intermediate student who wishes to explore an aspect of Arabic language, literature or culture beyond the scope of the regular course offerings. Prerequisite: ARBC 2211, or department consent. 3 semester credit hours. Typically offered: Fall and Spring Terms. *Department Consent Required. Course Repeatable. Maximum number of units allowed 12.*

ARBC 3212 Survey of Arabic Literature. (Formerly 212) Survey of Arabic Literature. Through a survey in Arabic, students will study Arabic literary tradition that covers poetry, religious texts, literary criticism, religious thought and philosophy, novels, and drama. Prerequisite: ARBC 2211 or placement. 3 semester credit hours. Typically offered: Spring Term.

ARBC 3391 Advanced Topics in Arabic Culture. (Formerly 391) Advanced level study of topics in Arabic culture and civilization. Prerequisite: ARBC 2211 or Department Consent. 3 semester credit hours. Typically offered: Periodically. *Department Consent Required. Course Repeatable. Maximum number of units allowed 12.*

ARBC 3395 Independent Study. (Formerly 395) Designed for the advanced student who wishes to explore an aspect of Arabic language, literature, civilization or culture beyond the scope of the regular course offerings. 1-3 semester credit hours. Typically offered: Periodically. *Department Consent Required. Course Repeatable. Maximum number of units allowed 12.*

ARBC 3397 Internship. (Formerly 397) Advanced professional experience designed to enhance language proficiency and cultural understanding by working in a human service agency, an educational institution or a business agency in the U.S. or in a country where Arabic is the primary language. Prerequisite: Approved application. 1-6 semester credit hours. Typically offered: Periodically. *Department Consent Required.*

ARBC 4301 Female Figures in the Quran. (Formerly 301) Female Figures in the Quran. Students will learn about the female figures in the Quran, their stories, and their status in Islam. They will read selected chapters from the Quran (e.g., "Maryam," "Women") to better understand how female figures are portrayed in the Islamic tradition. The course will also discuss the key Quran narratives about women. The course will examine the Quran,

not from a theological perspective, but as an extremely influential and historically significant literary masterpiece. Delivered at least partially in English and partially in Arabic. 3 semester credit hours. Typically offered: Periodically.

ARBC 4302 Culture and Tradition in the Arab Countries. (Formerly 302) Culture and Tradition in the Arab Countries. In this course students will study about the rich and diverse history, traditions, beliefs, and cultures in Arab countries. Delivered at least partially in English and partially in Arabic. Course may be offered in blended format (mix of online and face-to-face work). It may also be offered cross-listed with other courses. Could be equivalent to advanced courses in study abroad. 3 semester credit hours. Typically offered: Periodically.

ARBC 4303 Arab Political Life Through Literature and Film. (Formerly 303) Arab Political Life through Literature and Film. This course will explore the culture and political life of the contemporary Middle East and North Africa through the medium of literature and film. In addition to allowing us to witness the sights and sounds of life in the Middle East, watching popular films allows us to participate in the communal experience of the movie theater and share the cinematic experiences enjoyed by Middle Eastern cinema-going publics. Students will watch films from several different countries, pertaining to a wide variety of current political issues, and to a number of distinct but interconnected historical memories of the last century. Students will also read and comment in class a number of literary texts dealing with some of the same topics covered by the films. Delivered at least partially in English and partially in Arabic. Course may be offered in blended format (mix of online and face-to-face work). It may also be offered cross-listed with other courses. Could be equivalent to advanced courses in study abroad. 3 semester credit hours. Typically offered: Periodically.

Art Therapy

ARTH 2290 Introduction to Art Therapy. (Formerly 290) This introductory course provides an overview of the field of art therapy and its application in various settings and populations 3 semester credit hours. Typically offered: Fall and Spring Terms.

ARTH 3298 Creative Process as Art Therapy. (Formerly 298) This course implements concepts from art therapy and related fields to explore the nature of the creative process itself, utilizing various techniques to enhance artistic self-expression and release creative potential. 3 semester credit hours. Typically offered: Spring Term.

ARTH 3300 Art Therapy & Spirituality. (Formerly 300) This course explores the relationship between artistic creation, spirituality, and healing within a therapeutic framework. The role of art as a healing agent will be studied from an array of diverse cultural and faith traditions. 3 semester credit hours. Typically offered: Fall Term.

ARTH 4398 Art Therapy Internship & Seminar. (Formerly 350) Internships are meant to provide students with human service and art therapy experiences while receiving support from the internship seminar instructor and fellow classmates. Prerequisites: ARTH 2291, ARTH 3298, ARTH 3300 3 semester credit hours. Typically offered: Spring Term.

Benedictine Beginnings

BENB 95 Bridge to Success. The Bridge to Success program is designed to help incoming freshmen who may need additional academic support or opportunities to build confidence and prepare for the challenges of

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college learning. This week-long program combines instruction and hands-on learning activities in writing, math and study skills with career exploration and personal leadership development activities to help students prepare academically, encourage them to get involved in campus life and engage them in career development functions. Invitation by referral. Typically offered: Summer Term. *Department Consent Required.*

BENB 96 Achieving Academic Success: A Study Skills Course. This course is intended to provide students with the skills they need to achieve academic success. The objectives of the course are to 1) explore academic issues that often interfere with student success and introduce you to strategies that will improve academic performance and 2) connect you to campus services and resources that will support your long-term goals. Typically offered: Fall and Spring Terms. *Course Repeatable. Maximum number of units allowed 0.*

BENB 99 Benedictine Beginnings-Freshmen Success Seminar. Mandatory 6 week seminar for all first year freshmen who are placed on academic probation. Students will examine classroom success strategies, participate in self exploration exercises, develop an understanding of University expectations, explore campus resources and practice effective communication techniques. A framework will be built for future success not only as a student, but as a member of the Benedictine Community. Pass/Fail. Typically offered: Spring Term. *Department Consent Required.*

BENB 1100 Benedictine Beginnings. (Formerly 100) New Student Orientation

BENB 1101 Benedictine Beginnings. (Formerly 101) First-Year Experience. Required of all traditional First-Year students. Typically offered: Fall Term.

Bilingual Journalism

BIJR 1150 Bilingual Journalism. (Formerly 150) Introduction course in Bilingual Journalism. A hands-on approach to teaching news editing for Spanish publications. 3 semester credit hours.

BIJR 2291 Intermediate Topics. (Formerly 291) 1-6 semester credit hours.

Biology

BIOL 1116 Engaged Learning Experience in Biology. (Formerly 116) Opportunity for motivated students to work on a continuing or delineated project with a faculty member. Students will develop practical skills rooted in basic biology knowledge. Prerequisite: "C" or better in BIOL 1197 or 2297. Cross listed as INQ/BIOL 1116. Engaged Learning. Typically offered: Fall, Spring and Summer Terms. *Course Repeatable. Maximum number of units allowed 0.*

BIOL 1120 Genetics of Everyday Life. (Formerly 120) 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. 3 semester credit hours. Life-Scientific MOI. Typically offered: Periodically.

BIOL 1124 Human Health and Disease. (Formerly 124) Human Health and Disease is designed to introduce students to the general concepts of health and human diseases. The major goal of this course is to cover main principles of disease presentation, risk factors, diagnosis, treatment, and prevention. Diseases and physiological

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systems will vary from semester to semester. 3 semester credit hours. Life-Scientific MOI. Typically offered: Periodically.

BIOL 1134 Biology of Non-Human Primates. (Formerly 134) This course is an introduction to the biology and behavior of non-human primates. Specifically, we will focus on the characteristics that define the primate order and examine the similarities and differences among the various groups of primates, including lemurs, lorises, tarsiers, monkeys and apes. Additionally, topics such as growth and development, cognition and communication, diet and feeding strategies and mating patterns will be explored. This course emphasizes scientific methodology and critical thinking. 3 semester credit hours. Life-Scientific MOI. Typically offered: Periodically.

BIOL 1135 Forensics. (Formerly 135) Fundamental principles and methods of biological forensics. Intended for non-biology majors. 3 semester credit hours. Life-Scientific MOI. Typically offered: Periodically.

BIOL 1140 Origins of Humanity. (Formerly 140) Introduction to human evolution. Introduces the non-science major to what the fossil record reveals, the place of humans in the natural world and the biological reasons for modern human physical variation. 3 semester credit hours. Life-Scientific MOI. Typically offered: Periodically.

BIOL 1144 Science at the Movies. (Formerly 144) An investigation of a wide variety of current scientific topics such as genetic engineering, space exploration and epidemiology through the lens of popular films and television. Students will learn the science behind the stories and critically consider how science and scientists are presented in popular media. 3 semester credit hours. Life-Scientific MOI. Typically offered: Periodically.

BIOL 1150 Biology of Women. (Formerly 150) Discusses biology of gender with special emphasis on the physical structure, function and health concerns of women. The intention is that both women and men understand the complex functioning of the female body and women's unique health issues. Intended for non-biology majors. 3 semester credit hours. Life-Scientific MOI. Typically offered: Periodically.

BIOL 1155 Anatomy and Physiology. (Formerly 155) Integrated approach to structure and function of the human body. All the major organ systems will be studied. For physical education majors. Prerequisite: High School Biology and Chemistry. 4 semester credit hours. Life-Scientific MOI. Typically offered: Spring Term. *Department Consent Required.*

BIOL 1156 Introduction to Microbiology. (Formerly 156) An introductory study of bacteria, viruses and other microbes. Includes identification techniques, microbial genetics, immunology, growth and control, and an overview of those microbes important to humans. Does not meet requirements for majors or minors in the College of Science. 4 semester credit hours. Life-Scientific MOI. Typically offered: Periodically.

BIOL 1157 Introductory Anatomy & Physiology I. (Formerly 157) First semester of a two-semester sequence dealing with the structure and function of the human body and mechanisms for maintaining homeostasis within it. Includes the study of cells, tissues, and the integumentary, skeletal, muscular and nervous systems. Does not meet requirements for majors or minors in the College of Science. 4 semester credit hours. Life-Scientific MOI. Typically offered: Periodically.

BIOL 1158 Introductory Anatomy & Physiology II. (Formerly 158) Second semester of a two-semester sequence dealing with the structure and function of the human body and the mechanisms for maintaining homeostasis within it. Includes study of the endocrine, cardiovascular, lymphatic, respiratory, digestive, urinary and reproductive systems, as well as the concepts of development, metabolism, fluid and electrolyte balance,

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and acid-base balance. Does not meet requirements for majors or minors in the College of Science. 4 semester credit hours. Life-Scientific MOI. Typically offered: Periodically.

BIOL 1160 Plagues and People. (Formerly 160) 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. 3 semester credit hours. Life-Scientific MOI. Typically offered: Periodically.

BIOL 1165 Wine: Mystic and Madness. (Formerly 165) This course will explore wine making, including all phases of small scale wine production and the biology and chemistry of wine and wine production. For non-science majors. 3 semester credit hours. Life-Scientific MOI. Typically offered: Periodically.

BIOL 1180 The Ecology of a Changing Planet. (Formerly 180) Introduces the non-science major to the basic ecological processes and science that are involved in many environmental concerns. 3 semester credit hours. Sustainability and QLS. Typically offered: Periodically.

BIOL 1191 Selected Topics. (Formerly 191) Special topics in biology at an introductory level. 1-3 semester credit hours. Typically offered: Periodically. *Course Repeatable. Maximum number of units allowed 9.*

BIOL 1196 Introduction to Biology Lab. (Formerly 196) This course is designed with selected exercises to reinforce information learned in BIOL1198, and to apply statistical and quantitative approaches to biology. This course does not meet the requirements for majors in the department of Biological Science. Co-registration or "C" or better in BIOL 1198 or equivalent and "C" or better in MATH 1110 or MATH 1105 or MATH 1108 or above. 1 semester credit hour. Typically offered: Fall Term.

BIOL 1197 Principles of Organismal Biology. (Formerly 197) Key concepts in organismal biology on which advanced courses will build. Includes introduction to evolution, ecology, development, and reproduction and survey of bacteria, protists, fungi, plants, and animals. 3 semester credit hours. Sustainability and QLS. Typically offered: Fall and Spring Terms.

BIOL 1198 Principles of Biology. (Formerly 198) Key concepts in biology on which advanced courses will build. Includes basic biological molecules, molecular biology, cell structure/function, transport processes, bioenergetics and genetics. For science majors. Prerequisite: Co-registration or credit in CHEM 1113 or CHEM 1103. 3 semester credit hours. Life-Scientific MOI. Typically offered: Fall and Spring Terms.

BIOL 1199 Principles of Biology Lab. (Formerly 199) Methods and techniques of laboratory investigation. Co-registration or credit in BIOL 1198 and "C" or better in MATH 1110 or higher. 1 semester credit hour. Typically offered: Fall and Spring Terms.

BIOL 2201 Biological Anthropology. (Formerly 201) Focuses on forces producing humans in their present form. The study of evolution, population genetics, and the fossil record. Prerequisite: "C" or better in: BIOL1197 or 2297, BIOL 1198, and CHEM 1123. 3 semester credit hours.

BIOL 2202 Introduction to Natural History Museums. (Formerly 202) Introduction to Nature History Museums examines the history, structure, organization, policies, and procedures of work in a natural history museum. This course includes a variety of topics: museum administration, collections management, curatorial practices, specimen preservation and conservation, emergency preparation and planning in museums, and the use of

specimens in research, education, and exhibition. Prerequisite: "C" or better in BIOL1197 or 2297, and instructor consent. 3 semester credit hours. Typically offered: Periodically. *Department Consent Required.*

BIOL 2204 Advanced Botany. (Formerly 204) A detailed study of the plant kingdom using a morphological and anatomical approach. Labs will consist of microscope slide work, dissections and aspects of plant ecology and physiology. Prerequisite: "C" or better in BIOL 1197 or 2297, BIOL 1198, CHEM 1103/1123. 3 semester credit hours. Typically offered: Periodically.

BIOL 2205 Environmental Science. (Formerly ENVS 205) 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. Prerequisite: "C" or better in: BIOL 1197 or 2297, BIOL 1198, and CHEM 1123. 3 semester credit hours. Typically offered: Spring Term.

BIOL 2206 Applied Exercise Science. (Formerly HLSC 200) For ESS and PE Majors only. This course covers key exercise science core principles from exercise physiology, kinesiology, biomechanics, and preventive health related fitness. Special emphasis will be given to the scientific principles and importance lifestyle for others through lifetime health related physical activity. Prerequisite: "C" or better in BIOL 1155 and co-registration in BIOL 2207. 4 semester credit hours. Typically offered: Fall Term.

BIOL 2207 Applied Exercise Science - Lab. (Formerly HLSC 201) For ESS or PE Majors only. Practical experience in the Exercise Physiology laboratory to complement the material covered during lecture. Students will participate both as subjects as well as testers. Co-registration in BIOL 2206. Typically offered: Fall Term.

BIOL 2223 Field Studies in Biology. (Formerly 223) This course introduces students to the biological complexity of ecosystems through participatory field experiences in a range of locations. Field trips and exercises are led by faculty, and experts will lecture on a variety of topics which may include the natural history of regional biota, patterns of species diversity, ecology, and conservation. Some course sessions require international travel to the field site. Prerequisite: "C" or better in BIOL 1197 or 2297, BIOL 1198, CHEM 1123. Global Course. Typically offered: Spring Term. *Course Repeatable. Maximum number of units allowed 3.*

BIOL 2228 Vertebrate Embryology. (Formerly 228) Developmental anatomy, genetics and physiology of vertebrates with emphasis on human development, pregnancy, and birth. Lecture and lab. Prerequisite: "C" or better in: BIOL 1197 or 2297, BIOL 1198, BIOL 1199, CHEM 1123. 4 semester credit hours. Typically offered: Periodically.

BIOL 2229 Biostatistics. (Formerly 229) A quantitative approach to biology; emphasis is on the design and analysis of biological experiments. Prerequisites: "C" or better in BIOL 1197 or 2297, 1198, and 1199 or 2299, CHEM 1113 and 1123. 3 semester credit hours. Comp Math Analytical MOI. Typically offered: Fall and Spring Terms.

BIOL 2249 Parasitology. (Formerly 249) The morphology and life histories of animal parasites and their relation to the spreading of disease. Prerequisite: "C" or better in: BIOL 1197 or 2297, BIOL 1198, and CHEM 1123. 3 semester credit hours. Typically offered: Periodically.

BIOL 2250 Genetics. (Formerly 250) A survey course emphasizing Mendelian inheritance, molecular, cellular and medical genetics as well as current genetic research and its applications. Prerequisite of "C" or better in BIOL 1197 or 2297, BIOL 1198, CHEM 1113 and CHEM 1123. 3 semester credit hours. Typically offered: Fall and Spring Terms.

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BIOL 2251 Genetics Laboratory. (Formerly 251) Designed to illustrate principles formulated in BIOL 2250. Prerequisite: "C" or better in BIOL 1199 or 2299, co-registration or "C" or better in BIOL 2250. 1 semester credit hour. Typically offered: Fall and Spring Terms.

BIOL 2260 Recombinant DNA Lab. (Formerly 260) 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. Prerequisite: "C" or better in BIOL 2250. Also, BMB majors must complete the entire introductory sequence of BIOL 1197 or 2297, BIOL 1198, BIOL 1199 or 2299, CHEM 1113, 1114 or 1115, 1123, 1124 or 1125, and MATH 2220 with a "C" or better and a GPA of at least 3.2 prior to taking BIOL 2260 (See the section "Acceptance into the BMB program"). 1 semester credit hour. Typically offered: Spring Term.

BIOL 2271 Biology of Mammals. (formerly 271) The habits, classification, life histories, and economic relations of North American mammals. Museum work. Prerequisite: "C" or better in: BIOL 1197 or 2297, BIOL 1198, and CHEM 1123. 3 semester credit hours. Typically offered: Periodically.

BIOL 2272 Zoology. (Formerly 272) An organized presentation of the animal kingdom. The class emphasizes the structure of animal traits and how they help the animal function as an integral whole entity. A secondary goal is comparative anatomy of the animal classes. Prerequisite: "C" or better in: BIOL 1197 or 2297, BIOL 1198, and CHEM 1123. 3 semester credit hours. Typically offered: Periodically.

BIOL 2275 Invertebrate Zoology. (Formerly 275) 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. Prerequisite: "C" or better in: BIOL 1197 or 2297, BIOL 1198, and CHEM 1123. 3 semester credit hours. Typically offered: Periodically.

BIOL 2279 Freshwater Ecology. (Formerly 279) 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, offered through the ACCA Cooperative College Program. Prerequisite: "C" or better in: BIOL 1197 or 2297, BIOL 1198, and CHEM 1123. 3 semester credit hours. Typically offered: Periodically. *Department Consent Required.*

BIOL 2281 ACCA Seminar. (Formerly 281) Evening seminar dealing with advanced topics in biology. Prerequisite: "C" or better in BIOL 1197 or 2297, BIOL 1198 and CHEM 1123. Topics are announced. 1 semester credit hour. Typically offered: Fall and Spring Terms. *Department Consent Required. Course Repeatable. Maximum number of units allowed 9.*

BIOL 2283 Contemporary Ethnobotany. (Formerly 283) 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: "C" or better in: BIOL 1197 or 2297, BIOL 1198, and CHEM 1123. 3 semester credit hours. Typically offered: Periodically. *Department Consent Required.*

BIOL 2284 Woody Plants of the Western Great Lakes Region. (Formerly 284) 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

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Program with the Morton Arboretum. Prerequisite: "C" or better in: BIOL 1197 or 2297, BIOL 1198, and CHEM 1123. 4 semester credit hours. Typically offered: Periodically. *Department Consent Required.*

BIOL 2285 Biology of Algae. (Formerly 285) 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: "C" or better in: BIOL 1197 or 2297, BIOL 1198, and CHEM 1123. 4 semester credit hours. Typically offered: Periodically. *Department Consent Required.*

BIOL 2286 Biology of the Fungi. (Formerly 286) An introduction to the fungi; including classification, structure, ecology, and identification of the significant groups. Prerequisite: "C" or better in: BIOL 1197 or 2297, BIOL 1198, and CHEM 1123. 3 semester credit hours. Typically offered: Periodically.

BIOL 2287 Plant Ecology. (Formerly 287) 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: "C" or better in: BIOL 1197 or 2297, BIOL 1198, and CHEM 1123. 4 semester credit hours. Typically offered: Periodically. *Department Consent Required.*

BIOL 2290 Marine and Island Ecology of the Bahamas. (Formerly 290) 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. Prerequisite: "C" or better in BIOL 1197 or 2297, BIOL 1198, BIOL 1199 or 2299, CHEM 1123 and complete an external application to Shedd Aquarium. 4 semester credit hours. Typically offered: Spring Term. *Department Consent Required.*

BIOL 2291 Selected Topics. (Formerly 291) Special topics in biology chosen for the interests or needs of students. Prerequisite: "C" or better in: BIOL 1197 or 2297, BIOL 1198, and CHEM 1123. Typically offered: Periodically. *Department Consent Required. Course Repeatable. Maximum number of units allowed 9.*

BIOL 2292 Biology Teaching. (Formerly 292) 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. Maximum of 2 credits allowed towards major. 1 semester credit hour. Engaged Learning. Typically offered: Fall and Spring Terms. *Department Consent Required. Course Repeatable. Maximum number of units allowed 9.*

BIOL 2293 Jurica Scholars ACCA Seminar. (Formerly 293) Jurica Scholars discussion section of ACCA seminar. Typically offered: Fall and Spring Terms. *Course Repeatable. Maximum number of units allowed 0.*

BIOL 2295 Independent Study. (Formerly 295) Provides opportunity for advanced major to pursue study in a field of biological interest. Prerequisite: "C" or better in: BIOL 1197 or 2297, BIOL 1198, and CHEM 1123. 1-3 semester credit hours. Typically offered: Periodically. *Department Consent Required. Course Repeatable. Maximum number of units allowed 9.*

BIOL 2296 Jurica Scholars Honors Project. (Formerly 296) Jurica Scholars version of independent study taken in conjunction with a 2000-level course. Prerequisite: "C" or better in BIOL 1198, BIOL 1197 or 2297, CHEM

1113, CHEM 1123 and co-registration in a 2000-level BIOL course. Typically offered: Fall and Spring Terms.
Course Repeatable. Maximum number of units allowed 0.

BIOL 2297 Honors Organismal Biology. (Formerly 297) In-depth lecture and inquiry-based laboratory introduction to evolution, ecology, development, reproduction, and organismal structure/function for students in the Jurica Scholars Program. Prerequisite: "C" or better in BIOL 1198, CHEM 1113, Jurica Scholars Program students only. 4 semester credit hours. Sustainability and QLS. Typically offered: Spring Term.

BIOL 2299 Quantitative Biology Laboratory for Transfer Students. (Formerly 299) 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. Credit may not be earned in BIOL 1199 and BIOL 2299 at Benedictine University. Required for transfer students majoring in the biological sciences. Prerequisite: Transfer credit for BIOL 1197, BIOL 1198, and BIOL 1199; co-registration in BIOL 2229 and LCOM 1151. 1 semester credit hour. Life-Scientific MOI. Typically offered: Fall and Spring Terms.

BIOL 3203 Human Anatomy. (Formerly 203) Study of human organism structure through cadaver observation. Lecture and Lab. A biology major cannot receive credit for both BIOL 3203 and 254. Prerequisite: "C" or better in BIOL 1197 or 2297, BIOL 1198, CHEM 1103/1123. 4 semester credit hours. Typically offered: Fall and Spring Terms.

BIOL 3208 General Microbiology. (Formerly 208) Comprehensive survey of the biology of microorganisms, especially bacteria. Includes topics in growth, metabolism, physiology, taxonomy, ecology and biotechnology. Lecture and lab. Prerequisite [Main Campus]: "C" or better in BIOL 1197 or 2297, BIOL 1198, CHEM 1103/1123. [Mesa campus]: "C" or better in BIOL 1196, BIOL 1197 or 2297, BIOL 1198, and CHEM 1103. 4 semester credit hours. Writing Int and Engaged Learn. Typically offered: Fall and Spring Terms.

BIOL 3230 Plant-Soil Relationships. (Formerly 230) 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. Prerequisite: "C" or better in: BIOL 1197 or 2297, BIOL 1198, and CHEM 1123. 3 semester credit hours. Typically offered: Periodically. *Department Consent Required.*

BIOL 3256 Comparative Animal Physiology. (Formerly 256) 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. Prerequisite of "C" or better in: BIOL 1197 or 2297, BIOL 1198, and CHEM 1103 or 1123. 4 semester credit hours. Typically offered: Spring Term.

BIOL 3258 Human Physiology. (Formerly 258) The study of the control and function of human organ systems. Lecture only. Prerequisite: "C" or better in: BIOL 1197 or 2297, BIOL 1198, and CHEM 1113 and 1123. 4 semester credit hours. Typically offered: Fall and Spring Terms.

BIOL 3259 Human Physiology Laboratory. (Formerly 259) Lab uses standard clinical equipment to illustrate principles of physiology. Prerequisite: "C" or better in BIOL 3258 and BIOL 1199 or 2299. 1 semester credit hour. Typically offered: Fall and Spring Terms.

BIOL 3300 Ecology of Lakes and Streams. (Formerly ENVS 300) The study of the interrelations among the physical, chemical, and biological components of freshwater ecosystems. Includes taxonomy, adaptations,

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distributions, and abundance of aquatic organisms. Prerequisite: "C" or better in CHEM 1123 and one of: BIOL 2201, BIOL 2203, or BIOL 2250. 3 semester credit hours.

BIOL 3301 Human Evolution. (Formerly 301) 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. Prerequisite: "C" or better CHEM 1123 and one of: BIOL 2201 or BIOL 2203 or BIOL 2250. 3 semester credit hours. Typically offered: Periodically.

BIOL 3313 Evolution. (Formerly 313) 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. Prerequisite: "C" or better in BIOL 2250 and CHEM 1123. 3 semester credit hours. Typically offered: Fall Term.

BIOL 3330 Plant-Animal Interactions. (Formerly 330) Plant-Animal Interactions is the study of the special ecological and evolutionary relationships between plants and animals. The basic interactions between plants and animals (herbivore, pollination, and seed dispersal) will be studied by observing the natural history, conducting experiments, making observations, investigating the theories, and discussing current scientific literature. Course Prerequisite: CHEM1123 and one of: BIOL2204, 3256, 3258, 3301, 4363 or CHEM 3261. 4 semester credit hours. Typically offered: Periodically.

BIOL 3370 Animal Behavior. (Formerly 370) 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: "C" or better in CHEM 1123, BIOL 2250 and BIOL 3256 or BIOL 3258. 3 semester credit hours. Typically offered: Periodically.

BIOL 3389 Biological Research. (Formerly 389) Research projects which require extensive use of laboratory or museum facilities. Prerequisite: "C" or better in: BIOL 1197 or 2297, BIOL 1198, CHEM 1113, and CHEM 1123. Does not count towards Health Science or (BA) Biology majors. 1-3 semester credit hours. Engaged Learning. Typically offered: Fall, Spring and Summer Terms. *Department Consent Required. Course Repeatable. Maximum number of units allowed 9.*

BIOL 3391 Selected Topics. (Formerly 391) 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. Prerequisite: Instructor consent and "C" or better in CHEM 1123 and one of BIOL 2204, 2205, 3208, 2250, 3258, 2272, 3313, or 4363. 1-4 semester credit hours. Typically offered: Periodically. *Department Consent Required. Course Repeatable. Maximum number of units allowed 9.*

BIOL 3395 Independent Study. (Formerly 395) Provides opportunity for advanced major to pursue study in a field of biological interest. Prerequisite: "C" or better in: BIOL 1197 or 2297, BIOL 1198, CHEM 1113, and CHEM 1123. 1-3 semester credit hours. Typically offered: Periodically. *Department Consent Required. Course Repeatable. Maximum number of units allowed 9.*

BIOL 3396 Jurica Scholars Honors Project-Advanced. (Formerly 396) Jurica Scholars version of independent study taken in conjunction with a 3000-level course. Prerequisite: "C" or better in BIOL 1198 and BIOL 2297, co-registration in a 3000-level course. Typically offered: Fall and Spring Terms. *Course Repeatable. Maximum number of units allowed 0.*

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BIOL 3397 College of Science Research Techniques. (Formerly 397) This is a zero credit research course training students in the skills needed for research or museum projects in the natural sciences. Engaged Learning. Typically offered: Fall, Spring and Summer Terms. *Course Repeatable. Maximum number of units allowed 0.*

BIOL 3399 Jurica Scholars Capstone. (Formerly 399) Semester-long preparation and research for the Jurica Scholars Capstone project/paper to be completed in the senior year. Prerequisite: "C" or better in BIOL 1198 and BIOL 2297. 1 semester credit hour. Typically offered: Spring Term.

BIOL 4303 Conversation Biology and Biodiversity. This course focuses on the study of biological diversity, its rapid loss in recent decades, and approaches for its conservation. Broad topics include the definition and measurement of biodiversity, the value of biodiversity to humans, the ecological function of biodiversity, causes of biodiversity loss and extinction in the modern world, how biodiversity can be managed and conserved, as well as some of the many challenges posed by the human dimensions of biodiversity and conservation. Students will focus intensively on the primary literature in this course, with an emphasis on the interpretation of empirical data and the design of investigations in conservation biology. Prerequisite "C" or better in BIOL 2229 and co-registration in BIOL 2205 or "C" or better in BIOL 2250 3 semester credit hours. Typically offered: Periodically.

BIOL 4322 Paleobiology. (Formerly 322) 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: "C" or better in BIOL 2204 or 2205 or 2229 or 2275 and CHEM 1123. 4 semester credit hours. Typically offered: Periodically.

BIOL 4340 Cell Biology. (Formerly 340) 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 2250 and CHEM 2242. 3 semester credit hours. Typically offered: Fall and Spring Terms.

BIOL 4341 Cell Molecular Biology Laboratory. (Formerly 341) Techniques in cell and molecular biology. Prerequisite of "C" or better in BIOL 1199 or 2299; credit or co-registration in BIOL 4340. 1 semester credit hour. Writing Intensive Course. Typically offered: Fall and Spring Terms.

BIOL 4342 BMB Cell Biology Laboratory. (Formerly 342) Laboratory research problems in cell biology, including literature review, experimental design, data gathering, and evaluation of results. Students keep a laboratory journal, write a formal journal-style report about their research, and present their work orally in a research symposium. Third lab in a 3-semester lab sequence intended for the BMB major. Prerequisite: "C" or better in BIOL 4340 and CHEM 4362. 2 semester credit hours. Writing Intensive Course. Typically offered: Spring Term. *Department Consent Required.*

BIOL 4363 Ecology. (Formerly 363) Study of the relationships of organisms to one another and to their environment. Includes evolutionary, behavioral, population, community, ecosystem, and applied ecology. Prerequisite: "C" or better in BIOL 2205 or BIOL 2250; MATH 2210 or higher. 3 semester credit hours. Sustainability. Typically offered: Fall and Spring Terms.

BIOL 4364 Ecology Laboratory. (Formerly 364) 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. Prerequisite of "C" or better in BIOL 2229, credit or

co-registration in BIOL 4363. 1 semester credit hour. Writing Int and Engaged Learn. Typically offered: Fall and Spring Terms.

BIOL 4393 Great Ideas in Biology and Medicine. (Formerly 393) A study in the original writings of some of the great biologists and medial scientists to understand their thoughts and work and the historical development of the scientific method in biology. Capstone course for HLSC majors on the Main Campus. Prerequisites: "C" or better in BIOL 1197 or 2297, BIOL 1198, and CHEM 1123; 90 credit hours standing. 1 semester credit hour. Writing Intensive Course. Typically offered: Fall and Spring Terms.

BIOL 4394 Nature Writing. (Formerly 394) This course will introduce the literary genre of Nature Writing and explore its ongoing relationship with science. This interdisciplinary course will explore the nature writing of the past and other cultures, as well as trends leading to its future. May be taken as the capstone course for HLSC majors. Prerequisite: "C" or better in: BIOL 1197 or 2297, BIOL 1198, and CHEM 1123. 1 semester credit hour. Writ Intensive& Sustainability. Typically offered: Spring Term.

BIOL 4489 Advanced Biological Research. Research projects which require extensive use of laboratory or museum facilities. Prerequisite: "C" or better in: BIOL 1197 or 2297, BIOL 1198, CHEM 1113, and CHEM 1123. Instructor Consent. 1-3 semester credit hours. Typically offered: Fall, Spring and Summer Terms. *Department Consent Required. Course Repeatable. Maximum number of units allowed 9.*

BIOL 4491 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. Prerequisite: Instructor consent and "C" or better in CHEM 1123 and one of BIOL 2204, 2250, 3258, 2272, 3313, or 4363. 1-4 semester credit hours. Typically offered: Periodically. *Department Consent Required. Course Repeatable. Maximum number of units allowed 50.*

BIOL 4496 Jurica Scholars Project - Accelerated. Jurica Scholars version of independent study taken in conjunction with a 4000-level or above course. Typically offered: Fall and Spring Terms. *Department Consent Required. Course Repeatable. Maximum number of units allowed 0.*

BIOL 4497 Biology Internship. Practical experiences in the life sciences under the supervision of the biology faculty. Prerequisite: "C" or better in: BIOL 1197 or 2297, BIOL 1198, CHEM 1113, and CHEM 1123. 1-3 semester credit hours. Typically offered: Periodically.

BIOL 4499 Jurica Scholars Senior Capstone. Completion of semester-long preparation and research for the Jurica Scholars Capstone project/paper and presentation to be completed in the senior year. Prerequisite: "C" or better in BIOL 1198, 2297, and 3399. 1 semester credit hour. Typically offered: Fall and Spring Terms.

Biomedical Engineering [through Consortium]

BME 4423 Cell Biomechanics: Principles & Biological Processes. (Formerly 423) IIT course. 3 semester credit hours. *Department Consent Required.*

BME 4490 Senior Seminar. (Formerly 490) Offered through IIT. 1 semester credit hour.

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Business

BUSN 1101 Introduction to Management. (Formerly 101) This course is an introductory course on basic management concepts, principles and practices. It will integrate contemporary management issues to traditional management functions of planning, organizing, leading and controlling. Key to this course will be application of management knowledge at workplace and everyday situations. 2 semester credit hours. Typically offered: Periodically. *Department Consent Required.*

BUSN 1102 Introduction to Marketing. (Formerly 102) An introduction to the principles, concepts, strategy and tactics of marketing. This course provides an overview of marketing, the art of building relationships between products and services and unique consumers, businesses and markets. This class will serve as a training ground for evaluating marketing, creating and executing ideas, and grappling with the current trends in China, ethics and controversies in marketing worldwide. 2 semester credit hours. Typically offered: Periodically. *Department Consent Required.*

Business Analytics

BALT 2240 Excel for Mere Mortals. (Formerly 240) The participants in this course will not merely be able to calculate the bottom line, they will engage in the art of business analytics. Mastering the basics will open the door for serious financial calculations using real data modeling. Having delivered the numbers, extensive use of Excel's graphic functions will be deployed to tell the business story. Since not all things can be calculated, use of Excel's statistical functions will be exercised to determine probabilities. To embolden the brave, we will delve into the extensive capabilities of macros that provide complete access to the whole of the Microsoft Office suite. 3 semester credit hours. Typically offered: Fall and Spring Terms.

BALT 2297 Internship. (Formerly 297) 2-6 semester credit hours. Engaged Learning. Typically offered: Annually. *Department Consent Required. Course Repeatable. Maximum number of units allowed 12.*

BALT 3300 SAS Programming for Analytics. (Formerly 300) This course will provide an introduction to programming in SAS as well as providing an introduction to programming languages used for analytics. Students will be exposed to the techniques required to take the SAS Certified Base Programmer Exam for certification. Topics covered will include: using an in file statement to read raw data files; accessing data from Excel; manipulating and transforming variables; and processing data using do-loops. Prerequisite: MGT 1150. 3 semester credit hours. Typically offered: Fall Term.

BALT 3301 Managerial Decision Making Under Uncertainty. (Formerly 301) This course introduces students to the art and science of decision making under constraints such as limited data, uncertainty, and competing objectives. The course provides students with hands on experience using problem solving techniques. Students will be introduced to simulation modeling, optimization techniques, and decision trees. Prerequisite: MGT 1150. 3 semester credit hours. Typically offered: Fall Term.

BALT 3310 Visualization Techniques and Dashboarding. (Formerly 310) There is a proliferation of data within organizations that can be used to reduce expenses and increase profits i.e. gain a competitive edge. Attempting to gain insight into the numbers through text is ineffective. Visualization techniques provide an opportunity to spot trends and patterns. This course focuses on using visualization techniques to develop business insights and

dashboards to effectively convey those insights to a non-technical audience. 3 semester credit hours. Typically offered: Fall Term.

BALT 3315 Advanced Data Visualization Techniques. (Formerly 315) Advanced data visualization is a critical component of analysis. Traditional reports consisting of charts and tables are difficult to interpret and rarely tell the whole story. Patterns are virtually impossible to detect without data visualization. This course is focused on using advanced visualization software such as Tableau/Spotfire to learn visualization techniques used by industry. Prerequisite: BALT 3310. 3 semester credit hours. Typically offered: Spring Term.

BALT 3318 Infographics for Business. (Formerly 318) Infographics employ the use of pictures to tell a story and to convey ideas in a simple and easy to understand format. This course will focus on the uses of infographics in business as well as a hands on learning experience in developing infographics. 3 semester credit hours. Typically offered: Spring Term.

BALT 3325 Lean Six Sigma for Operational Excellence. (Formerly 325) Lean Six Sigma is a methodology that focuses on process efficiency and effectiveness which directly translates into increased customer satisfaction and improved return on Investment (ROI). This course focuses on the linkage between strategy and achieving operational efficiency using real-world projects and business cases. Prerequisite: MGT 1150. 3 semester credit hours. Typically offered: Fall Term.

BALT 3330 Database Structures & Queries. (Formerly 330) In this course students will be introduced to the basic concepts of databases. The course stresses the storage, retrieval and manipulation of data using SQL. Computer software techniques used in business with emphasis on information management and database management systems (data management and analysis; database management systems, and query languages). The course also includes an overview of a data warehouse structure, developing skills in Microsoft Access and data retrieval for analysis. 3 semester credit hours. Typically offered: Fall Term.

BALT 3350 Business Process Management. (Formerly 350) This course introduces the latest advances in business process technologies and management such as business process planning, business process requirements analysis, business process modeling, workflow system design and implementation. The course will emphasize a hands-on approach. 3 semester credit hours. Typically offered: Spring Term.

BALT 3360 Social Network Analysis. (Formerly 360) Social computing is a term used to describe the intersection of human social behavior and technology systems. This course will introduce students to the concepts of social networks from the viewpoint of economists, sociologists, psychologists and technologists. The focus of the course will be on viewing social groups as networks and decision making as a form of game theory. Real world applications such as online auctions and prediction markets will be explored. Prerequisite: BALT 3301 or MGT 2251. 3 semester credit hours. Typically offered: Periodically.

BALT 3370 Introduction to GIS for Business Analysis. (Formerly 370) Introduction to GIS for Business Analysis. GIS is an advanced data visualization technique which organizes spatial data into layers for analysis and viewing as maps and 3d scenes. 3 semester credit hours. Typically offered: Periodically.

BALT 4320 Data and Text Mining. (Formerly 320) Knowledge discovery and business analytics are core tools used by organizations to direct business decisions, improve strategies, reduce risk and create new business opportunities. This course focuses on algorithm techniques that can be used for knowledge discovery such as classification, association rule mining, clustering, and heuristics. Successful applications of this methodology have been reported in areas such as credit rating, fraud detection, database marketing, customer relationship

management, and stock market investments. This course will cover data mining for business intelligence and will cover applications to both data and text. The focus is on several techniques that aim at discovering patterns that can bring value or “business intelligence” to organizations. Examples of such patterns include fraud detection, consumer behavior, and credit approval. The course will cover the most important data mining techniques including: classification, clustering, association rule mining, prediction—through a hands-on approach using specialty software. 3 semester credit hours. Typically offered: Fall Term.

BALT 4350 Web Intelligence and Analytics. (Formerly 340) This course will focus on developing an understanding of web analytics and web intelligence. Students will learn how to: leverage Web site effectiveness and marketing; measure, identify, and interpret key Web metrics and KPIs. Additionally, students will gain an understanding of main data collection techniques, their impact on metrics, and their limitations. Insight into the potential of data mining and predictive analytics in the context of the Web will be explored as well as web spiders, web bots and social listening software. Prerequisite: BALT 3330. 3 semester credit hours. Typically offered: Periodically.

BALT 4397 Institute Project. (Formerly 397) Real-world project in business analytics under the supervision of a faculty mentor. 2-6 semester credit hours. Engaged Learning. *Department Consent Required. Course Repeatable. Maximum number of units allowed 12.*

Business with Science Applications

BSCI 2200 Introduction to Science Management. (Formerly 200) The course provides an overview of science management functional areas in the context of technology based industries. The course introduces students to the functional requirements and expectations of contemporary business and technology practices. Also included is an overview of science management and industry; scientific research (discover knowledge vs. business research (produce value); introduction to finance in scientific companies (discovering valuable solutions and protecting that value in the competitive marketplace); exploring the role of the general business manager with other technology related managers. 3 semester credit hours. Typically offered: Annually. *Department Consent Required.*

BSCI 2210 Science Management: Legal Aspects. (Formerly 210) Introduces students to several different applications of legal and regulatory requirements in technology based industries, including introduction to intellectual property, patents, corporate intellectual property strategy, and negotiation approaches to corporate intellectual property strategy. 3 semester credit hours. Typically offered: Annually. *Department Consent Required.*

BSCI 2220 Science Management: Innovation and Product Development. (Formerly 220) Through team structure, introduces students on how to apply an interdisciplinary approach to product development. Students will explore the product development process as it applies to research and innovation. Major topics include how to identify product opportunities, assess value and select alternative projects. The overall economics of product development are introduced to gain an understanding of broader business aspects. Students will develop an understanding of the concepts and general tools used to plan and manage product development programs. 3 semester credit hours. Typically offered: Annually. *Department Consent Required.*

BSCI 2230 Science Management: Ethical and Quality Systems. (Formerly 230) Ethical and Quality Systems provides an introduction to fundamental ethical theories and quality systems in high technology organizations, from both the personal and organizational perspectives. Included is a study of moral and value perspectives as

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the basis for ethical decision making. Lecture topics include detailed examination of leading ethical paradigms, discussion of effective character attributes, and introduction of primary quality management tools such as Total Quality Management and Lean Six Sigma. Working individually, students will complete a written project analysis, presenting a recommended solution on a company of their choice that faces an ethical and system quality dilemma. 3 semester credit hours. Typically offered: Annually. *Department Consent Required.*

BSCI 2297 Internship. (Formerly 297) Provides an internship within a regional business organization to apply and develop program concepts and skills. 3-6 semester credit hours. Engaged Learning. Typically offered: Fall, Spring and Summer Terms. *Department Consent Required.*

Chemistry

CHEM 1101 Introduction to Chemistry. (Formerly 101) The fundamental principles of chemistry with an introduction to inorganic chemistry; including acids, bases, gases, and solutions. Intended for nursing and allied health majors. A student cannot earn credit in CHEM 1101 after having earned a "C" or better in CHEM 1123 or CHEM 1127. 3 semester credit hours. Physical-Scientific MOI. Typically offered: Fall Term.

CHEM 1102 Introduction to Chemistry Laboratory. (Formerly 102) Experiments that explore the principles discussed in CHEM 101. Prerequisite: Registration or credit in CHEM 1101. A student cannot earn credit in CHEM 1102 after having earned a "C" or better in CHEM 1124 or CHEM 1125. 1 semester credit hour. Physical-Scientific MOI. Typically offered: Fall Term.

CHEM 1103 Introduction to Organic Chemistry. (Formerly 103) The structure, nomenclature, and reactions of organic compounds and an introduction to biochemistry. Functional groups relevant to the chemistry of biological systems will be emphasized. Prerequisite: A "C" or better in CHEM 1101 or CHEM 1123 or CHEM 1127. A student cannot earn credit in CHEM 1103 after having earned a "C" or better in CHEM 2247. 2 semester credit hours. Typically offered: Fall and Spring Terms.

CHEM 1104 Introduction to Organic Chemistry and Biochemistry Laboratory. (Formerly 104) Experiments examine the applications of organic and biochemical theory. Prerequisite: A "C" or higher in CHEM 1102 or CHEM 1114 OR CHEM 1124 OR CHEM 1125 and co-registration or credit in CHEM 1103. A student cannot earn credit in CHEM 1104 after having earned a "C" or better in CHEM 2248 or CHEM 2249. 1 semester credit hour. Physical-Scientific MOI. Typically offered: Spring Term.

CHEM 1108 Preparatory General Chemistry. (Formerly 108) Preparation for general chemistry with topics including unit conversions, scientific notation, the periodic table, chemical formulas, balancing chemical reactions, and stoichiometry, with a focus on mathematical problem solving, interpreting data from graphs and tables, and chemical reasoning. Course prerequisite: Credit or co-registration in MATH 1110 or a higher level MATH course. Undergraduate students – both degree-seeking and Students-At-Large (SAL) – may repeat CHEM 1108 if they received grades of "W," "D" or "F" no more than once. LC eligible. 3 semester credit hours. Physical-Scientific MOI. Typically offered: Fall Term.

CHEM 1109 Introduction to Biochemistry. (Formerly 109) The structures and properties of carbohydrates, lipids, amino acids, proteins and enzymes; the fundamental pathways of fuel metabolism. A "C" or better in CHEM 1103 or CHEM 2247. A student cannot earn credit in CHEM 1109 after having earned a "C" or better in CHEM 3261 or CHEM 4361. 2 semester credit hours. Typically offered: Fall and Spring Terms.

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CHEM 1113 General Chemistry I. (Formerly 113) Principles of stoichiometry, aqueous reactions, thermochemistry, electronic structure and bonding, periodicity, phase-related properties and functional groups. A student cannot earn credit in CHEM 1113 after having earned a "C" or better in CHEM 1127. Prerequisite: One year of high school chemistry or a grade of "C" or better in CHEM 1108 or a 50th percentile or higher score on the chemistry placement exam; AND a grade of "C" or better in MATH 1110 or a higher-level MATH course or a MATH ACT score of 23 or higher or a 50th percentile or higher score on the chemistry placement exam or demonstrated proficiency in MATH 1110 or a higher level MATH course. 3 semester credit hours. Physical-Scientific MOI. Typically offered: Fall, Spring and Summer Terms.

CHEM 1114 General Chemistry I Laboratory. (Formerly 114) Separations, quantitative measurements and transfers, and spectrochemical techniques involving organic and inorganic systems. Prerequisite: Registration or credit in CHEM 1113 or CHEM 1127. A student cannot earn credit in CHEM 1114 after having earned a "C" or better in CHEM 1115. 1 semester credit hour. Physical-Scientific MOI. Typically offered: Fall, Spring and Summer Terms.

CHEM 1115 Honors General Chemistry I Laboratory. (Formerly 115) Intended for physical science, physics, engineering, chemistry and biochemistry/molecular biology 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. A student cannot earn credit in CHEM 1115 after having earned a "C" or better in CHEM 1114. Prerequisite: Credit or co-registration in CHEM 1113 or CHEM 1127. 1 semester credit hour. Physical-Scientific MOI. Typically offered: Fall Term. *Department Consent Required.*

CHEM 1123 General Chemistry II. (Formerly 123) Gas laws, principles of intermolecular forces, kinetics, chemical equilibrium, acid/base chemistry, electrochemistry, and nuclear chemistry. A student cannot earn credit in CHEM 1123 after having earned a "C" or better in CHEM 1127. Prerequisite: "C" or better in CHEM 1113; AND a grade of "C" or better in MATH 1110 or a higher-level MATH course or a MATH ACT of 23 or higher or demonstrated proficiency in MATH 1110 or a higher level MATH course. 3 semester credit hours. Physical-Scientific MOI. Typically offered: Fall, Spring and Summer Terms.

CHEM 1124 General Chemistry II Laboratory. (Formerly 124) Titrimetry, solubility, synthesis, qualitative analysis, and instrumentation for pH, kinetics, and electrochemical processes. Prerequisite: "C" or better in CHEM 1114 or CHEM 1115 and co-registration or credit in CHEM 1123 or credit in CHEM 1127. A student cannot earn credit in CHEM 1124 after having earned a "C" or better in CHEM 1125. 1 semester credit hour. Physical-Scientific MOI. Typically offered: Fall, Spring and Summer Terms.

CHEM 1125 Honors General Chemistry II Laboratory. (Formerly 125) Completion of the topics listed for CHEM 1115 and pH, electrochemistry, equilibrium, and inorganic synthesis. A student cannot earn credit in CHEM 1125 after having earned a "C" or better in CHEM 1124. Prerequisite: "C" or better in CHEM 1115, and credit in CHEM 1127 or credit or co-registration in CHEM 1123. LC Eligible. 1 semester credit hour. Sustainability and QPS. Typically offered: Spring Term. *Department Consent Required.*

CHEM 1127 Honors General Chemistry. (Formerly 127) Intended for chemistry, physics and engineering majors or students interested in the physical sciences. Topics include electronic structure of atoms, bonding theories, periodicity, thermodynamics, intermolecular forces, kinetics, chemical equilibrium, acid/base chemistry, and electrochemistry. A student cannot earn credit in CHEM 1127 after having earned a "C" or better in CHEM 1113 or CHEM 1123. Prerequisite: Credit or co-registration in MATH 1170 or higher and one year of high school

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chemistry or equivalent. 4 semester credit hours. Physical-Scientific MOI. Typically offered: Fall Term.
Department Consent Required.

CHEM 1190 Selected Topics in Chemistry. (Formerly 190) Current topics in chemistry. 1 semester credit hour. Typically offered: Periodically. *Course Repeatable. Maximum number of units allowed 12.*

CHEM 2242 Organic Chemistry I. (Formerly 242) 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. Prerequisite: "C" or better in CHEM 1123 or CHEM 1127. 3 semester credit hours. Typically offered: Fall, Spring and Summer Terms.

CHEM 2243 Organic Chemistry I Laboratory. (Formerly 243) Introduction to organic and biochemical laboratory techniques, separations, purifications and analysis. For non-chemistry majors. A student cannot earn credit in CHEM 2243 after having earned a "C" or better in CHEM 2244. Prerequisite: "C" or better in CHEM 1124 or CHEM 1125 and credit or co-registration in CHEM 2242. 1 semester credit hour. Typically offered: Fall, Spring and Summer Terms.

CHEM 2244 Honors Organic Chemistry I Laboratory. (Formerly 244) Introduction to organic and biochemical laboratory techniques, separations and purifications, with an emphasis on chemical instrumentation. Intended for chemistry and biochemistry/molecular biology majors. A student cannot earn credit in CHEM 2244 after having earned a "C" or better in CHEM 2243. Prerequisite: "C" or better in CHEM 1124 or 1125, and credit or co-registration in CHEM 2242. 1 semester credit hour. Typically offered: Fall Term. *Department Consent Required.*

CHEM 2247 Organic Chemistry II. (Formerly 247) Organic synthesis. A study of the preparations and reactions of aliphatic and aromatic organic compounds and their inter-conversions. Prerequisite: "C" or better in CHEM 2242. 3 semester credit hours. Typically offered: Fall, Spring and Summer Terms.

CHEM 2248 Organic Chemistry II Laboratory. (Formerly 248) The synthesis, isolation and identification of organic compounds. For non-chemistry majors. A student cannot earn credit in CHEM 2248 after having earned a "C" or better in CHEM 2249. Prerequisite: "C" or better in CHEM 2243 and credit or co-registration in CHEM 2247. 1 semester credit hour. Typically offered: Fall, Spring and Summer Terms.

CHEM 2249 Honors Organic Chemistry II Laboratory. (Formerly 249) The synthesis, isolation and identification of organic compounds with an emphasis on spectroscopic analysis. For chemistry and biochemistry/molecular biology majors. A student cannot earn credit in CHEM 2249 after having earned a "C" or better in CHEM 2248. Prerequisite: "C" or better in CHEM 2244 and credit or co-registration in CHEM 2247. LC Eligible. 1 semester credit hour. Sustainability. Typically offered: Spring Term. *Department Consent Required.*

CHEM 2295 Chemistry Teaching. (Formerly 295) Opportunity for a student to work as a teaching assistant in the chemistry department. Engaged Learning. Typically offered: Fall, Spring and Summer Terms. *Department Consent Required. Course Repeatable. Maximum number of units allowed 12.*

CHEM 3231 Analytical Chemistry I. (Formerly 231) Statistical analysis of data, and the theory and applications of instrumental analysis including spectroscopy, chemical separation, and mass spectrometry. Prerequisite: "C" or better in CHEM 1123 or CHEM 1127, and "C" or better in CHEM 1124 or CHEM 1125. 3 semester credit hours. Typically offered: Fall Term.

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CHEM 3232 Analytical Chemistry II. (Formerly 232) Sampling and the theory and applications of gravimetric, titrimetric, electrochemical, thermal, automated and computer assisted methods of analysis. Prerequisite: CHEM 1123 or CHEM 1127, and "C" or better in CHEM 1124 or CHEM 1125. 3 semester credit hours. Sustainability. Typically offered: Spring Term.

CHEM 3237 Analytical Chemistry I Laboratory. (Formerly 237) Optimization, operation, and applications of selected instrumental methods discussed in CHEM 3231. Prerequisite: Credit or co-registration in CHEM 3231, "C" or better in CHEM 1124 or 1125. 1 semester credit hour. Typically offered: Fall Term.

CHEM 3238 Analytical Chemistry II Laboratory. (Formerly 238) Preparation of buffers, standard addition methods, and standardization of acid/base solutions. Quantitative analysis methods including gravimetry, titrations, potentiometry, voltammetry, and amperometry that are discussed in CHEM 3232. Prerequisite: Credit or co-registration in CHEM 3232, "C" or better in 1124 or 1125. 1 semester credit hour. Typically offered: Spring Term.

CHEM 3261 Principles of Biochemistry. (Formerly BCHM 261) The structures, properties and functions of carbohydrates, lipids, proteins, and nucleic acids and their reactions in metabolic pathways are emphasized. Systematic naming, essential terminology, acid/base chemistry, biocatalysis, bioenergetics, intermolecular interactions, and the importance of electrolytes and buffers for biomolecules are also described. Students cannot earn credit in CHEM 3261 if they have already completed CHEM 4361 with a grade of C or better. Prerequisite: A "C" or better in CHEM 2247. 3 semester credit hours. Typically offered: Fall and Spring Terms.

CHEM 4313 Classical Thermodynamics. (Formerly 313) Properties of gases, relating heat and work, concepts of enthalpy and entropy, laws of thermodynamics, heat engines, thermodynamics of mixing processes, and phase changes. Prerequisite: "C" or better in CHEM 1123 or CHEM 1127, PHYS 2213, and MATH 2212. Cross listed as CHEM/PHYS 4313. 3 semester credit hours. Typically offered: Fall Term.

CHEM 4314 Physical Chemistry I Laboratory. (Formerly 314) Applies principles discussed in CHEM/PHYS 4313. Prerequisite: Co-registration or credit in CHEM/PHYS 4313. Cross listed as CHEM/PHYS 4314. 1 semester credit hour. Writing Intensive Course. Typically offered: Fall Term.

CHEM 4315 Quantum and Statistical Mechanics. (Formerly 315) Failures of classical physics, development of quantum theory, atomic structure and spectra, statistical mechanics, and statistical thermodynamics. Prerequisites: "C" or better in CHEM/PHYS 4313 Cross listed as CHEM/PHYS 4315. 3 semester credit hours. Typically offered: Spring Term.

CHEM 4316 Physical Chemistry II Laboratory. (Formerly 316) Applies principles discussed in CHEM/PHYS 4315. Prerequisite: Credit or co-registration in CHEM/PHYS 4315. Cross-listed as CHEM/PHYS 4316. 1 semester credit hour. Writing Intensive Course. Typically offered: Spring Term.

CHEM 4320 Inorganic Chemistry. (Formerly 320) Principles of structure and bonding, coordination chemistry, organometallic chemistry, and descriptive chemistry. Prerequisite: "C" or better in CHEM 2247. 3 semester credit hours. Typically offered: Fall Term.

CHEM 4321 Inorganic Synthesis Laboratory. (Formerly 321) Applications of the topics discussed in CHEM 4320 including vacuum-line manipulation, inert atmosphere techniques, spectroscopy, and separation methods. Prerequisite: "C" or better in CHEM 4320. 1 semester credit hour. Writing Intensive Course. Typically offered: Spring Term. *Department Consent Required.*

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CHEM 4322 Bioinorganic Chemistry. (Formerly 322) Selected lecture topics include transition metals in biological systems, metals in photosynthesis, metal homeostasis, inorganic compounds in medicine, spectroscopy, and biological coordination compounds. Prerequisite: "C" or better in CHEM 2247. 3 semester credit hours. Typically offered: Periodically.

CHEM 4334 Bioanalytical Chemistry and Chemical Sensors. (Formerly 334) Selected lecture topics in spectroscopy, separations, and electrochemistry of biological macromolecules; immunoassays, enzymatic assays, nanomaterials, microfluidic systems, and development and optimization of biological/chemical sensors. Prerequisite: "C" or better in CHEM 3231 and 2247. 3 semester credit hours. Typically offered: Periodically.

CHEM 4340 Advanced Organic Chemistry. (Formerly 340) Selected topics in synthetic organic chemistry, emphasizing current reaction methodologies, catalysis and asymmetric transformations. Prerequisite: "C" or better in CHEM 2247. 3 semester credit hours. Typically offered: Periodically.

CHEM 4342 Organometallic Chemistry. (Formerly 342) Synthesis of organometallic complexes, their structure and bonding, and as catalysts in synthesis of organic compounds, with an emphasis on mechanism and application. Prerequisite: "C" or better in CHEM 2247. 3 semester credit hours. Typically offered: Periodically.

CHEM 4347 Medicinal Chemistry. (Formerly 347) This course will investigate the role of organic chemistry in the design and mechanism of drugs. The principles of drug discovery, drug development, drug/receptor interactions and structure/activity relationships will be covered. Prerequisite: "C" or better in CHEM 2247. Cross-listed as CHEM 4347. 3 semester credit hours. Typically offered: Periodically.

CHEM 4357 Molecular Dynamics and Kinetics. (Formerly 357) Electronic properties of molecules, molecular interactions, molecular motion, chemical kinetics, molecular reaction dynamics. Prerequisite: Credit or Co-registration in CHEM/PHYS 4315. Cross listed as CHEM/PHYS 4357. 3 semester credit hours. Typically offered: Periodically.

CHEM 4361 Biochemistry. (Formerly BCHM 361) 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. (Students cannot earn credit in both CHEM 3261 and 4361). Prerequisite: "C" or better in CHEM 2247. 3 semester credit hours. Typically offered: Fall Term.

CHEM 4362 Protein Biochemistry Lab. (Formerly BCHM 362) A laboratory course in which protein purification and characterization will be carried out. In addition, enzyme assays, Michaelis-Menten kinetics, and ligand binding to proteins will be explored. This course is intended for Biochemistry/Molecular Biology majors. Prerequisite: "C" or better in BIOL 2260 and credit or co-registration in CHEM 4361. 1 semester credit hour. Typically offered: Fall Term.

CHEM 4365 Intermediary Metabolism. (Formerly BCHM 365) The major metabolic pathways and cellular bioenergetics are discussed. An emphasis is placed upon the chemistry of these processes. Prerequisite: "C" or better in CHEM 4361. 3 semester credit hours. Typically offered: Spring Term.

CHEM 4390 Selected Topics in Chemistry. (Formerly 390) Current advanced topics in Chemistry. 1-3 semester credit hours. Typically offered: Periodically. *Course Repeatable. Maximum number of units allowed 12.*

CHEM 4393 Chemical Internship. (Formerly 393) Practical experiences in chemistry under the supervision of the chemistry program. 1-6 semester credit hours. Engaged Learning. Typically offered: Fall and Spring Terms. *Department Consent Required. Course Repeatable. Maximum number of units allowed 6.*

CHEM 4398 Chemical Research. (Formerly 398) 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 and public presentation of the research are course objectives. Engaged Learning. Typically offered: Fall, Spring and Summer Terms. *Department Consent Required. Course Repeatable. Maximum number of units allowed 18.*

CHEM 4399 Research Capstone. (Formerly 399) This course is intended for final semester seniors finishing their research experience, where students will focus on writing a research thesis and engaging in a public presentation. 1-2 semester credit hours. Engaged Learning. Typically offered: Fall and Spring Terms. *Department Consent Required.*

Chinese

CHIN 1101 Elementary Mandarin I. (Formerly 101) Introduction to the pinyin Romanization system, writing Chinese characters, and the basic structures of the language. Designed to enable students to develop basic communicative skills in reading, writing, listening, and speaking. No prerequisite. 3 semester credit hours plus one optional lab hour (required for minors). 3 semester credit hours. Typically offered: Fall Term.

CHIN 1102 Elementary Mandarin II. (Formerly 102) Continuing study of the basic structures of the language. Designed to enable students to further develop basic communicative skills in reading, writing, listening, and speaking. 3 semester credit hours plus one required lab. Prerequisite: CHIN 1101 or placement and co-registration in CHIN 1109. 3 semester credit hours. Typically offered: Spring Term.

CHIN 1105 Elementary Mandarin I through Study Abroad. (Formerly 105) Credit for language courses taken in accredited programs overseas. Variable credit based on total contact hours.

CHIN 1106 Elementary Mandarin II through Study Abroad. (Formerly 106) Credit for language courses taken in accredited programs overseas. Variable credit based on total contact hours.

CHIN 1108 Elementary Mandarin I Lab. (Formerly 108) Additional practice in reading, writing, speaking, and listening. Required for minors. Co-registration with CHIN 1101. 0-1 semester credit hours. Typically offered: Fall Term.

CHIN 1109 Elementary Mandarin II Lab. (Formerly 109) Additional practice in reading, writing, speaking, and listening. Required for minors. Co-registration with CHIN 1102. 0-1 semester credit hours. Typically offered: Spring Term.

CHIN 1191 Conversation and Culture. (Formerly 191) Provides an introduction to basic conversational Chinese and highlights of Chinese culture. 1 semester credit hour. Typically offered: Spring Term.

CHIN 2022 Intermediate Mandarin II. (Formerly 202) Completion of study of basic structures of the language. Introduction to idiomatic expressions. Emphasis on extensive language practice in simulated cultural settings, which will enable students to further develop communicative skills in reading, writing, listening, and speaking.

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Prerequisite: CHIN 2201, Department Consent and Co registration in CHIN 2209 3 semester credit hours. Global Course. Typically offered: Spring Term. *Department Consent Required.*

CHIN 2201 Intermediate Mandarin I. (Formerly 201) Continued study of basic structures of the language. Emphasis on extensive language practice in simulated cultural settings, which will enable students to further develop communicative skills in reading, writing, listening, and speaking. 3 semester credit hours plus one required lab. Prerequisite: CHIN 1102 or placement and co-registration in CHIN 2208. 3 semester credit hours. Global Course. Typically offered: Fall Term.

CHIN 2205 Intermediate Mandarin I through Study Abroad. (Formerly 205) Credit for language courses taken in accredited programs overseas. Variable credit based on contact hours.

CHIN 2206 Intermediate Mandarin II through Study Abroad. (Formerly 206) Credit for language courses taken in accredited programs overseas. Variable credit based on contact hours.

CHIN 2208 Intermediate Mandarin I Lab. (Formerly 208) Additional practice in reading, writing, speaking, and listening. Required for minors. Co-registration with CHIN 2201. 0-1 semester credit hours (minors must take it as a 1 credit hour course). 0-1 semester credit hour. Typically offered: Fall Term.

CHIN 2209 Intermediate Mandarin II Lab. (Formerly 209) Additional practice in reading, writing, speaking, and listening. Required for minors. Co-registration with CHIN 2202. 0-1 semester credit hours. Typically offered: Spring Term.

CHIN 2211 Intermediate Mandarin III. (Formerly 211) Emphasis on intensive acquisition of vocabulary and developing expressive and discursive abilities in written and spoken Chinese. Course also aims to improve reading and listening skills. Prerequisite: CHIN 2202 or placement and co-registration with CHIN 2218. 3 semester credit hours. Global Course. Typically offered: Fall Term.

CHIN 2212 Intermediate Mandarin IV. (Formerly 212) Emphasis on intensive acquisition of vocabulary and developing expressive and discursive abilities in written and spoken Chinese. Course also aims to improve reading and listening skills. Prerequisite: CHIN 2211 or placement and co-registration with CHIN 2219. 3 semester credit hours. Global Course. Typically offered: Spring Term.

CHIN 2218 Lab. (Formerly 218) Additional practice in reading, writing, speaking, and listening. Co-registration with CHIN 2211. Typically offered: Fall Term.

CHIN 2219 Lab. (Formerly 219) Additional practice in reading, writing, speaking, and listening. Co-registration with CHIN 2212. Typically offered: Spring Term.

CHIN 2291 Topics. (Formerly 291) Selected topics in Chinese language, literature, and culture. Prerequisite: CHIN 2211, placement, or instructor consent. 1-3 semester credit hours.

CHIN 2295 Independent Study. (Formerly 295) Designed for the intermediate student who wishes to explore an aspect of Chinese language, literature or culture beyond the scope of the regular course offerings. Prerequisite: CHIN 2211, or department consent. *Course Repeatable. Maximum number of units allowed 12.*

CHIN 3395 Independent Study. (Formerly 395) Designed for the advanced student who wishes to explore an aspect of Chinese language, literature, civilization or culture beyond the scope of the regular course offerings.

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Prerequisite: CHIN 2212, or department consent. Typically offered: Periodically. *Course Repeatable. Maximum number of units allowed 12.*

CHIN 4301 Studies in Chinese Culture. (Formerly 301) Students undertake study of interdisciplinary primary materials in Chinese, including use of multimedia content. Delivered at least in part in Mandarin, using a Language Across the Curriculum model. Could be equivalent to advanced courses in study abroad. Prerequisite: CHIN 2211 or instructor consent. 3 semester credit hours. Typically offered: Periodically. *Course Repeatable. Maximum number of units allowed 3.*

CHIN 4302 Directed Studies in Chinese. (Formerly 302) Students undertake study of Chinese-language content in their own area of academic interest and specialization, including use of multimedia content. Delivered at least in part in Mandarin, using a Language Across the Curriculum model. Could be equivalent to advanced courses in study abroad. Prerequisite: CHIN 2211 or Instructor consent. 3 semester credit hours. Typically offered: Periodically.

Clinical Laboratory Sciences

CLSC 4390 Hematology. (Formerly 390) 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. 5 semester credit hours. *Department Consent Required.*

CLSC 4391 Clinical Microbiology. (Formerly 391) The various techniques, including Molecular Biology methodologies, involved in identification of normal human flora, the study and isolation techniques of aerobic and anaerobic pathogens, mycobacteria and viruses, and their relationship to disease. Includes lab. 6 semester credit hours. *Department Consent Required.*

CLSC 4392 Clinical Biochemistry. (Formerly 392) 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. 8 semester credit hours. *Department Consent Required.*

CLSC 4393 Immunoserology. (Formerly 393) 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. 3 semester credit hours. *Department Consent Required.*

CLSC 4394 Immunohematology. (Formerly 394) 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. 4 semester credit hours. *Department Consent Required.*

CLSC 4395 Clinical Microscopy/Urinalysis. (Formerly 395) Study of principles and procedures of qualitative and quantitative urinalysis as related to renal function in health and disease. Examination of urine and other body fluids to correlate laboratory data to disease manifestations. Includes lab. 2 semester credit hours. *Department Consent Required.*

CLSC 4396 Coagulation. (Formerly 396) Study of the coagulation mechanisms found in the normal and disease states, coagulation testing procedures, and their use in diagnosing bleeding disorders and hypercoagulable states. Includes lab. 2 semester credit hours. *Department Consent Required.*

CLSC 4397 Special Topics. (Formerly 397) Designed to broaden the background of the medical technology students. 2 semester credit hours. Engaged Learning. *Department Consent Required. Course Repeatable. Maximum number of units allowed 4.*

Communications

COMM 1110 Speech Communication. (Formerly SPCH 110) An introduction to public speaking, communication theory and small-group and interpersonal communication. Assignments cover informative speaking and persuasive debate. The course includes researched extemporaneous speeches and several in-class exercises. Please note: For the Online courses, speeches must be delivered to a live audience and recorded for submission. 3 semester credit hours. Typically offered: Fall and Spring Terms.

COMM 2201 Advertising Persuasion and Consumer Society. (Formerly 201) A critical examination of Madison Avenue's advertising images and narratives. Students in the class learn how to recognize the hidden persuasion techniques that are used in advertising. Writing and speaking intensive 3 semester credit hours. Writing Intensive and QLR. Typically offered: Fall and Spring Terms. "

COMM 2208 Layout and Design for Publication. (Formerly 208) Layout and Design for Publication. Graphic design principles and professional processes are emphasized. Print projects may include advertising, newspaper, magazine, and other projects, using InDesign and Photoshop. Course fee: \$50.00 3 semester credit hours. Typically offered: Fall and Spring Terms.

COMM 2209 Newswriting and Reporting. (Formerly 209) Principles and practice in gathering and writing news as well as preparing copy for publication. Prerequisite: WRIT 1101. 3 semester credit hours. Writing Intensive Course. Typically offered: Fall and Spring Terms.

COMM 2235 Photojournalism. (Formerly 235) Teaches the skills in creating and evaluating images for photojournalism purposes in both still image and video formats. 3 semester credit hours. Typically offered: Fall Term.

COMM 2250 Masters of the American Cinema. (Formerly 250) A historical study of representative fiction film makers from D.W. Griffith to Spike Lee. 3 semester credit hours. Artistic/Creative MOI. Typically offered: Periodically.

COMM 2251 History of Film. (Formerly 251) A cross-cultural study of the development of the cinema from its late 19th century origins to the present. 3 semester credit hours. Artistic/Creative MOI. Typically offered: Periodically.

COMM 2253 Public Relations Writing. (Formerly 253) Focuses on writing for public relations. Students prepare news releases, newsletters and feature stories. Prerequisite: WRIT 1102 or 103 or HNRS 1190 3 semester credit hours. Writing Intensive Course. Typically offered: Spring Term.

COMM 2254 Writing for the Electronic Media. (Formerly 254) A practical course designed to expose students to the various approaches, forms and techniques of writing for the electronic media. 3 semester credit hours. Writing Intensive Course. Typically offered: Fall Term.

COMM 2255 Television Production. (Formerly 255) Laboratory course introducing students to the technical and aesthetic principles utilized in preparing programming for television. Fee: \$60. 3 semester credit hours. Typically offered: Fall Term.

COMM 2256 International Film. (Formerly 256) A study of the film form as seen in the most important films produced outside the United States. 3 semester credit hours. Global and QLR. Typically offered: Periodically.

COMM 2259 Italian Cinema from 1945 to 1975. (Formerly 259) The course focuses on Italian cinema as a form of artistic expression and a critique of the existing social reality. 3 semester credit hours. Artistic/Creative MOI. Typically offered: Spring Term.

COMM 2263 Advertising Copywriting. (Formerly 263) Covers the fundamentals of writing copy and designing advertising for all forms of print and electronic media. Prerequisite: WRIT 1101. 3 semester credit hours. Typically offered: Periodically.

COMM 2264 Sports Journalism. (Formerly 264) This course is designed for students to adapt skills learned in COMM 2209 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 credit hours. Typically offered: Fall Term.

COMM 2265 Sports Broadcasting. (Formerly 265) This course provides a strong foundation into the field of sports broadcasting to gain a better understanding of the field. Students will participate in the production of sports broadcasting by learning how to write scripts and present them on camera. 3 semester credit hours. Typically offered: Spring Term.

COMM 2267 Seminar in Writing. (Formerly 267) Using a digital-first strategy for writing, students in this class experiment with a variety of writing styles and approaches to include journalism writing, fiction writing, and essay writing. The writing pieces for this class are expected to be eventually submitted for publication in "DuPage Valley Review", a journal of the creative arts at Benedictine University. Prerequisites: COMM 2207 and COMM 2209. 3 semester credit hours. Typically offered: Periodically.

COMM 2291 Topics. (Formerly 291) Study of aspects of communication on the intermediate level not listed as regular course offerings. Prerequisite: WRIT 1102. 3 semester credit hours. *Course Repeatable. Maximum number of units allowed 12.*

COMM 2295 Independent Study. (Formerly 295) Designed for the student who wishes to explore aspects of communications not normally offered in the regular curriculum. 1-3 semester credit hours. *Department Consent Required. Course Repeatable. Maximum number of units allowed 12.*

COMM 3207 Editing for Publications. (Formerly 207) Introduction to the principles and practices of editing for books, magazines, and newspapers. Prerequisite: WRIT 1101 or HNRS 1190. 3 semester credit hours. Typically offered: Fall and Spring Terms.

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COMM 3297 Internship. (Formerly 297) 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 42 hour major requirement. Up to 12 hours may apply toward the 120 hours for graduation. Prerequisite: Consent of department, and at least 2.50 GPA. 2-6 semester credit hours. Engaged Learning. *Department Consent Required. Course Repeatable. Maximum number of units allowed 12.*

COMM 3301 Research Practicum. (Formerly 301) Students conduct original research and present their findings at a student conference. Prerequisite: completion of one COMM theory course at the 3000 level or higher (formerly 300 level) with a grade of "B" or better. 3 semester credit hours. Typically offered: Periodically. *Department Consent Required.*

COMM 3302 Arts Practicum. (Formerly 302) Students create original communication arts works to present at student exhibitions. Prerequisite: completion of one COMM Arts applied course at the 3000 level or higher (formerly 300 level). 3 semester credit hours. Typically offered: Periodically. *Department Consent Required.*

COMM 3303 Media and Society. (Formerly 303) A critical investigation of the role of media in human societies. 3 semester credit hours. Typically offered: Fall Term, Odd Years.

COMM 3304 Media and Environment. (Formerly 304) A critical investigation of the role of the media in the global discussion of environmental issues. 3 semester credits hours. Sustainability. 3 semester credit hours. Sustainability. Typically offered: Periodically.

COMM 3309 Global Journalism. (Formerly 309) Students will gain the skills needed to cover news stories in a foreign country along with the ability to analyze global media content. 3 semester credit hours. Typically offered: Periodically. *Department Consent Required.*

COMM 3316 Advanced Television Production. (Formerly 316) Emphasis on development of directing and post-production skills, with focus on aesthetic and technical principles. Prerequisite: COMM 2254 and COMM 2255. 3 semester credit hours. Typically offered: Spring Term.

COMM 3337 Advanced Journalism Writing. (Formerly 337) Advanced Journalism Writing. Students practice the major style of investigative journalism and learn how to dig for information using public documents and journalistic tools. The class culminates in an in-depth investigative story by each student. Prerequisite: COMM 2209. 3 semester credit hours. Writing Intensive Course. Typically offered: Fall Term.

COMM 3353 Advanced Seminar in Page Design for Publications. (Formerly 353) Students work as a design company to produce multiple publications that are sold on digital marketplaces like Amazon. Students will write, edit, illustrate and design books such as art magazines and children's books. Prerequisite: COMM 2208. 3 semester credit hours. Writing Intensive Course. Typically offered: Spring Term. *Department Consent Required.*

COMM 3381 Multimedia Production for the Web. (Formerly 381) Students experiment with a variety of web-based materials, explore different uses of social media and learn to build web pages in HTML and CSS. Course Fee: \$50. 3 semester credit hours. Typically offered: Spring Term. *Department Consent Required.*

COMM 3382 Nonlinear Editing for Audio and Video. (Formerly 382) Students learn and apply advanced computer editing skills in audio and video to produce a variety of video projects. Prerequisite: COMM 2255 or co-registration in COMM 2255. Course fee: \$50. 3 semester credit hours. Typically offered: Fall Term.

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COMM 3384 Recording and Popular Music in America. (Formerly 384) An examination of American music over the past 125 years and its role in media and culture. There will also be a thorough examination of recording technology from Thomas Edison's first devices through the present day. 3 semester credit hours. Typically offered: Periodically.

COMM 3385 Television and Society. (Formerly 385) An in-depth investigation of the television industry and its impact on American and world culture. Prerequisite: WRIT 1102. 3 semester credit hours. Typically offered: Periodically.

COMM 3388 Studies in Film Theory and Criticism. (Formerly 388) Selected topics in film theory and criticism. 3 semester credit hours. Typically offered: Periodically. *Course Repeatable. Maximum number of units allowed 9.*

COMM 3390 Images of Men and Women in Advertising. (Formerly 390) A critical investigation of how we are influenced in the way we think about gender and gender relationships. Prerequisite: WRIT 1102. 3 semester credit hours. Writing Intensive Course. Typically offered: Periodically.

COMM 3391 Topics. (Formerly 391) Study of aspects of communications on the advanced level not covered in the above course offerings. Prerequisite: COMM 2207, COMM 2208, WRIT 1102. 3 semester credit hours. *Course Repeatable. Maximum number of units allowed 12.*

COMM 3392 Senior Project. (Formerly 392) 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, and approval of proposal prior to semester in which the student is enrolled. 3 semester credit hours. *Department Consent Required.*

COMM 3393 Senior Portfolio. (Formerly 393) Required of all Communication Arts and Writing and Publishing majors, this course is designed to help the student improve the appearance, content, and organization of their Senior Portfolio. The class also prepares students for the practical challenges they face as they transition from college. Prerequisite: Senior Standing 3 semester credit hours. Engaged Learning. Typically offered: Spring Term.

COMM 3395 Independent Study. (Formerly 395) Designed for the superior student who wishes to explore an aspect of communication beyond the scope of undergraduate course offerings through guided independent study. Prerequisite: COMM 2207 and GPA of 3.5 in major. 1-3 semester credit hours. *Department Consent Required. Course Repeatable. Maximum number of units allowed 12.*

COMM 4317 Mass Media Law and Ethics. (Formerly 317) Examines the many legal and ethical issues related to the mass media. Prerequisite: WRIT 1101 or HNRS 1190. 3 semester credit hours. Typically offered: Fall Term.

Computer Science

CMSC 1100 Introduction to PC Software Applications. (Formerly 100) Introduction to the software applications of word processing, spreadsheet, and database management using the Microsoft Office Suite for Windows. For non-majors. 3 semester credit hours.

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CMSC 1180 Introduction to Computing. (Formerly 180) An introduction to the fundamental principles of computing and the computers relevance and impact on the world today with an overriding theme of algorithms. Topics include hardware, software, data representation, networks, and databases with applications in simulation, modeling, electronic commerce and artificial intelligence. 2 semester credit hours. Comp Math Analytical MOI. Typically offered: Fall Term.

CMSC 1181 Visual Programming Laboratory. (Formerly 181) Provides programming fundamentals, with applications developed in a visual programming language. Programming topics include variables, formatted output, looping, conditional execution, subroutines and functions. Co-registration or credit in CMSC 1180. 2 semester credit hours. Comp Math Analytical MOI. Typically offered: Periodically.

CMSC 1182 Science Applications Laboratory. (Formerly 182) 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 CMSC 1180. 1 semester credit hour. Comp Math Analytical MOI. Typically offered: Fall Term.

CMSC 1184 Microsoft Excel Laboratory. (Formerly 184) 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 CMSC 1180. 1 semester credit hour. Typically offered: Fall and Spring Terms.

CMSC 1185 Python Programming Laboratory. (Formerly 185) An introduction to the fundamentals of programming in Python for students interested in engineering, physics, and computer science. Programming topics include problem solving, variables, calculations, I/O, conditions, looping, and functions. Co-registration or credit in CMSC 1180. 2 semester credit hours. Comp Math Analytical MOI. Typically offered: Fall Term.

CMSC 1186 Web Development Laboratory. (Formerly 186) An introduction to the fundamentals of web design and implementation of client side web applications geared for students in the arts, humanities and education. Topics include HTML and JavaScript for webpage design and interactive applications. 1 semester credit hour. Typically offered: Periodically.

CMSC 2200 Computer Programming. (Formerly 200) An introduction to software design, algorithm development and implementation in a high-level programming language. Elementary programming structures, methods, string processing and functions, and file processing. Functional design and programming, real world and application modeling, testing and debugging. Prerequisites: MATH 1105 or MATH 1110. 3 semester credit hours. Comp Math Analytical MOI. Typically offered: Spring Term.

CMSC 2205 Data Structures and Algorithms I. (Formerly 205) The study of data structures, their applications and implementations including two dimensional arrays, classes, lists, stacks, queues, linked lists, binary search trees and heaps. Introduction to object-oriented programming, exception handling and unit testing. Prerequisite "C" or better in CMSC 2200. 3 semester credit hours. Typically offered: Fall Term.

CMSC 2220 Computer Architecture. (Formerly 220) A breadth course in computer architecture including logic design, CPU organization, assembly language, integer and floating point representations, instruction representation, pipelining, memory hierarchy and instruction-level parallelism. Prerequisite: "C" or better in CMSC 2200. 3 semester credit hours. Writing Intensive Course. Typically offered: Fall Term.

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CMSC 2264 Introduction to Web Application Development. (Formerly 264) An introduction to modern web application development with a focus on the client-side. Topics include: HTML, XML, JavaScript, PHP, CSS, and RESTful web services. Prerequisite: "C" or better in CMSC 2200. 3 semester credit hours. Typically offered: Spring Term.

CMSC 3270 Data Structures and Algorithms II. (Formerly 270) The further study of data structures including AVL-trees, B-trees and graphs. Sorting algorithms, hashing, and recursion. Algorithm analysis techniques. Prerequisite: "C" or better in CMSC 2205 and MATH 2240. 3 semester credit hours. Typically offered: Fall Term.

CMSC 3274 Object-Oriented Design and Programming. (Formerly 274) Design and implementation of object-oriented applications through the use of Java programming language. Includes classes, inheritance, encapsulation, polymorphism, interfaces, graphical user interface, nested classes, generics, abstract classes, reflection, multithreading, UML, and design patterns. Prerequisite: "C" or better in CMSC 2205 and "C" or better in MATH 2240. 3 semester credit hours. Typically offered: Fall Term.

CMSC 3301 Technical Communications. (Formerly 301) A focus on communication from both an oral and a written perspective within a purely technical environment. Topics include client/customer requirements gathering, project leadership, and detailed application documentation intended for various audiences. Prerequisite: "C" or better in CMSC 2274. 3 semester credit hours. Writing Intensive Course. Typically offered: Spring Term.

CMSC 3330 Database Management Systems. (Formerly 330) Database design and implementation including the relational data model, ER diagrams, relational algebra, SQL, functional dependency theory, normalization techniques, query processing and optimization, concurrency control, recovery, security, and database administration. Prerequisite: "C" or better in CMSC 3274. 3 semester credit hours. Typically offered: Spring Term.

CMSC 3387 Independent Study. (Formerly 387) Independent Study: Provides an opportunity for an advanced student in the major to pursue study in a computer science topic of interest outside of the current curriculum. 1-3 semester credit hours. Typically offered: Fall and Spring Terms. *Course Repeatable. Maximum number of units allowed 6.*

CMSC 3396 ACCA Seminar. (Formerly 396) Evening seminar at Associated Colleges of Chicago Area schools dealing with advanced topics in computer science. Topics are announced in advance. 1 semester credit hour. Typically offered: Fall Term. *Department Consent Required. Course Repeatable. Maximum number of units allowed 3.*

CMSC 3397 Undergraduate Project. (Formerly 397) Independent work on a project supervised by a faculty member in the program. 1-3 semester credit hours. Engaged Learning. Typically offered: Periodically. *Department Consent Required. Course Repeatable. Maximum number of units allowed 12.*

CMSC 3399 Internship. (Formerly 399) Practical experiences in computer science related fields under the supervision of the program. Prerequisite: GPA 3.00 in computer science course work. 1-6 semester credit hours. Engaged Learning. Typically offered: Periodically. *Department Consent Required. Course Repeatable. Maximum number of units allowed 12.*

CMSC 4100 Computer Networks and Data Communication. (Formerly 365) An introductory course in computer networking and data communications. Discussion is focused on the layers of the Internet Protocol

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Stack. Prerequisite: "C" or better in both CMSC 2220 and CMSC 3274. 3 semester credit hours. Typically offered: Periodically.

CMSC 4310 Operating Systems. (Formerly 310) An introduction to operating systems including the topics of processes, threads, synchronization, CPU scheduling, deadlocks, memory management, virtual memory, and distributed systems. Prerequisites: "C" or better in both CMSC 2220 and CMSC 3274. 3 semester credit hours. Typically offered: Spring Term, Odd Years.

CMSC 4363 Data Mining. (Formerly 363) Investigation of data mining techniques and their various applications. Topics include data quality and preprocessing, classification methods, association analysis (attributes and patterns), and cluster analysis (K-means, prototype-based, density-based, and graph based clustering). Prerequisite: "C" or better in CMSC 3270. 3 semester credit hours. Typically offered: Fall Term, Even Years.

CMSC 4364 Mobile Commerce. (Formerly 364) Examination of current mobile technologies, including implementation, application, and marketability. Topics include mobile commerce, application design and usability, responsive design, mobile operating systems and database technology, and networking and security. Prerequisites: "C" or better in CMSC 2205 and CMSC 2264. 3 semester credit hours. Typically offered: Periodically.

CMSC 4370 Algorithm Design and Analysis. (Formerly 370) 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. Prerequisite: "C" or better in CMSC 3270. 3 semester credit hours. Typically offered: Periodically.

CMSC 4373 Big Data. (Formerly 373) Introduction to concepts of working with big data. Topics include Map-Reduce, mining data streams, link analysis (PageRank), frequent Itemsets, recommendation system and dimensionality reduction. The course also includes practical exercises implementing big data algorithms. Prerequisite: "C" or better in CMSC 3270. 3 semester credit hours. Typically offered: Spring Term, Odd Years.

CMSC 4374 Advanced Web Application Development. (Formerly 374) An in-depth study of building large-scale Web Applications focusing on the MVC design pattern. Topics include: XML, Java Servlets, JSP, JSTL, EJB, SOAP, mobile application development, database APIs, AJAX, application frameworks, and system load testing. Prerequisites: "C" or better in CMSC 2264 and CMSC 3274. 3 semester credit hours. Typically offered: Fall Term, Odd Years.

CMSC 4375 Software Engineering. (Formerly 375) An introduction to software engineering from project conception to implementation. Students will work in teams to develop multiple software projects throughout the semester practicing various types of software development processes and working in multiple roles within their team. Topics include software development processes (waterfall, Agile, etc.) unit testing, calc coverage, requirements elicitation and specification, software documentation, work estimation, and release planning. Prerequisite: "C" or better in CMSC 3301 and CMSC 3330. 3 semester credit hours. Writing Intensive Course. Typically offered: Fall Term.

CMSC 4380 Artificial Intelligence. (Formerly 380) 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, robotics, machine learning and expert systems. Prerequisite: "C" or better in CMSC 3270. 3 semester credit hours. Typically offered: Spring Term, Even Years.

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CMSC 4383 Machine Learning. (Formerly 383) Investigation of the design, implementation and application of various machine learning algorithms. Topics include decision trees, artificial neural networks, Bayesian learning, computational learning theory, instance-based learning, and genetic algorithms. Prerequisite: "C" or better in CMSC 3270. 3 semester credit hours. Typically offered: Fall Term, Odd Years.

CMSC 4384 Enterprise Architecture. (Formerly 384) An advanced course in designing, modeling, building and testing software at an enterprise level. Topics include business architectures, enterprise software (network and web services), advanced web frameworks, design methodologies, data processing, cost management, and scalable, multi-tiered, and secure network applications. Prerequisites: "C" or better in CMSC 3270 and CMSC 4374. 3 semester credit hours. Typically offered: Periodically.

CMSC 4385 Theory of Programming Languages. (Formerly 385) 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. Prerequisite: "C" or better in CMSC 3274. 3 semester credit hours. Typically offered: Periodically.

CMSC 4386 Programming Languages Practicum. (Formerly 386) 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. Prerequisite: Credit or co-registration in CMSC 4385. 1 semester credit hour. Typically offered: Periodically.

CMSC 4391 Selected Topics. (Formerly 391) Various topics to supplement the curriculum. 3 semester credit hours. Typically offered: Periodically. *Course Repeatable. Maximum number of units allowed 12.*

CMSC 4398 Capstone Project. (Formerly 398) A team-oriented, software engineering project experience to implement a solution to an information-based problem. Prerequisite: Senior Standing and "C" or better in both CMSC 3330 and CMSC 4375. 3 semester credit hours. Engaged Learning. Typically offered: Spring Term.

Criminal Justice

CJUS 1195 Research Practicum. (Formerly 195) Participation in on-going departmental research. 1-3 semester credit hours. Engaged Learning. Typically offered: Fall, Spring and Summer Terms. *Department Consent Required.*

CJUS 2205 Racial and Ethnic Groups. (Formerly 205) The nature of prejudice. Studies of ethnic relations in America and other societies. Cross-listed as CJUS 2205/SOCL 2205. Students may not earn credit in both CJUS 2205 and SOCL 2205. 3 semester credit hours. Typically offered: Spring Term.

CJUS 2206 Juvenile Justice. (Formerly 206) 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. Prerequisite: CJUS 2260. 3 semester credit hours. Typically offered: Fall Term.

CJUS 2212 Race and Crime. (Formerly 212) The effects of social construction of race and criminal justice. An overview of race relations and social control agencies throughout time. 3 semester credit hours. Typically offered: Periodically. "

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CJUS 2233 Police Systems. (Formerly 233) 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. Prerequisite: CJUS 2260. 3 semester credit hours. Typically offered: Periodically.

CJUS 2243 Ethics in Policing. (Formerly 243) 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. Prerequisite: CJUS 2260. 3 semester credit hours. Typically offered: Periodically.

CJUS 2245 Corporate Crime. (Formerly 245) One of the most common types of white-collar crimes is corporate crime. These crimes are committed by employees of a corporation to benefit the corporation, company, or business. Illegal behaviors from the leaders of companies such as Enron, British Petroleum (BP), Wall Street and others are examined. CJUS 2260 is pre-req 3 semester credit hours. Typically offered: Periodically.

CJUS 2250 Basic and Applied Statistics. (Formerly 250) 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. Prerequisite: MATH 1105, MATH 1108 or MATH 1110. Students may not earn credit in both CJUS 2250, PSYC 2250, and SOCL 2205. 3 semester credit hours. Comp Math Analytical MOI. Typically offered: Periodically.

CJUS 2252 Research Practicum. (Formerly 252) 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. Prerequisite: Successful completion of basic skills courses. 3 semester credit hours. Typically offered: Fall and Spring Terms. *Department Consent Required.*

CJUS 2260 Introduction to Criminal Justice. (Formerly SOCL 260) Examination of the criminal justice system: police, courts and corrections. Analysis of functions, jurisdiction, operation and relationships. 3 semester credit hours. Typically offered: Fall and Spring Terms.

CJUS 2266 Cybercrime. (Formerly 266) In an era of technological innovation, various types of cybercrime have developed. Through theory, investigation, and detection, advancements in the field have taken shape. The focus of this course will be on hacking, online fraud, cyber-bullying, online sex crimes, cyber-terrorism and other cybercrimes. CJUS 2260 is pre-req. 3 semester credit hours. Typically offered: Periodically.

CJUS 2275 Occupational Crime. (Formerly 275) Occupational crimes are violations of the legal codes during activities in a legitimate occupation. Retail, service, automotive, healthcare, and other occupations are examined through a critical theory approach focusing on their crimes. CJUS 2260 is pre-req 3 semester credit hours. Typically offered: Periodically.

CJUS 2291 Topics. (Formerly 291) Topics of interest to criminal justice majors. 1-3 semester credit hours. *Course Repeatable. Maximum number of units allowed 9.*

CJUS 2294 Criminal Procedure. (Formerly 294) In depth analysis of the criminal and juvenile justice process from arrest through adjudication. 3 semester credit hours. Typically offered: Periodically.

CJUS 2296 Critical Criminology. (Formerly 296) Racism, sexism, imperialism, and any other violation of human dignity are real crimes in society. The damage these crimes do will be the focus compared to street crimes. 3 semester credit hours. Typically offered: Periodically.

CJUS 3306 Correctional System. (Formerly 306) Theory and research relating to treatment, incarceration and rehabilitation of the offender. Prerequisite: SOCL/CJUS 2260. Students may not earn credit in both CJUS 3306, and SOCL 3306. 3 semester credit hours. Typically offered: Annually.

CJUS 3316 Environmental Crime. (Formerly 316) Crimes that damage the environment are critically analyzed through social, cultural, political, economic, scientific, and legal contexts. The course focuses on the creation, enforcement, and punishment of environmental law. CJUS 2260 is pre-req 3 semester credit hours. Typically offered: Periodically.

CJUS 3320 Gender, Crime & Justice. (Formerly 320) Studies the experience of women and the criminal justice system. The exploration of social inequalities and the search for justice. Cross-listed as CJUS/SOCL 3320. Students may not earn credit in both CJUS 3320 and SOCL 3320. 3 semester credit hours. Typically offered: Periodically.

CJUS 3322 Criminal Law. (Formerly 322) An examination of criminal law including origins and developmental changes to the present. Prerequisite: CJUS 2260. 3 semester credit hours. Typically offered: Periodically.

CJUS 3324 White Collar Crime. (Formerly 324) The issue of white-collar crime is often forgotten about when individuals think about crime. The purpose of this course is to get students to see the harm of white-collar crime and understand the damage it does to society on a financial, environmental, and personal level. CJUS 2260 is pre-req. 3 semester credit hours. Sustainability. Typically offered: Periodically.

CJUS 3326 Introduction to Criminal Investigation. (Formerly 326) 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. Prerequisite: CJUS 2260. 3 semester credit hours. Typically offered: Fall Term, Odd Years.

CJUS 3330 Probation and Parole. (Formerly 330) 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. Prerequisite: CJUS 2260. 3 semester credit hours. Typically offered: Periodically.

CJUS 3331 Organized Crime. (Formerly 331) 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. Prerequisite: CJUS 2260. 3 semester credit hours. Typically offered: Periodically.

CJUS 3352 Research Practicum. (Formerly 352) 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 a scholarly paper in APA style, the latter to include identification of the subject of the study, a review of the literature, statement of a working hypotheses, construction of necessary operational definitions, delineation of variables, a description of the population (and sample) and statistical tests if appropriate, results of the study and

a discussion on the results of the study. Student will present the results of the study at a scholarly meeting. Cross-listed as CJUS/PSYC/SOCL 3352. 3 semester credit hours. Engaged Learning. Typically offered: Fall and Spring Terms. *Department Consent Required.*

CJUS 3360 Inequalities and the War on Drugs. (Formerly 360) Poverty, race, and politics drive the "war on drugs". The effects of policies, fear, and social class are examined. 3 semester credit hours. Typically offered: Periodically.

CJUS 3372 Current Issues in Criminal Justice. (Formerly 372) Contemporary critical issues that impact the Criminal Justice System including the legislative process, law enforcement, the judicial process and the correctional system. Prerequisite: CJUS 2260. 3 semester credit hours. Typically offered: Periodically.

CJUS 3375 Violence in America. (Formerly 375) The threat of violence is a significant concern for individuals in many societies. In this course, violence will be studied as a social phenomenon. Topics of particular concern include: family violence, gang violence, terrorism, and homicide. Students may not earn credit in both CJUS 3375 and SOCL 3375. 3 semester credit hours. Typically offered: Periodically.

CJUS 3391 Topics in Criminal Justice. (Formerly 391) Relevant topics according to the needs and interests of the criminal justice students. Prerequisite: CJUS 2260. 1-3 semester credit hours. Typically offered: Periodically. *Course Repeatable. Maximum number of units allowed 9.*

CJUS 3399 Independent Study in Criminal Justice. (Formerly 399) Provides opportunity for advanced majors to complete requirements of criminal justice courses on their own. Mutual consent of instructor and department chair. Prerequisite: Must be a Criminal Justice major. Offered periodically. 1-3 semester credit hours. Typically offered: Periodically. *Department Consent Required.* "

CJUS 4321 Crime and Delinquency. (Formerly 321) Social and psychological factors related to crime, theories of crime and delinquency, police and court systems and correctional institutions. Students may not earn credit in both CJUS 4321 and SOCL 3321. 3 semester credit hours. Writing Intensive Course. Typically offered: Spring Term.

CJUS 4351 Research Methods in the Social Sciences. (Formerly 351/299) 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. Prerequisite: PSYC 2250 or SOCL 2250 or CJUS 2250. Students may not earn credit in both CJUS 4351, PSYC 4351, and SOCL 4351. 3 semester credit hours. Writing Intensive Course. Typically offered: Fall and Spring Terms.

CJUS 4352 Research Practicum. (Formerly 352) 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 a scholarly paper in APA style, the latter to include identification of the subject of the study, a review of the literature, statement of a working hypotheses, construction of necessary operational definitions, delineation of variables, a description of the population (and sample) and statistical tests if appropriate, results of the study and a discussion on the results of the study. Student will present the results of the study at a scholarly meeting. Fall and Spring Terms. Prerequisite: Departmental consent. Cross listed with PSYC 3352 and SOCL 3352. 3 semester credit hours. Engaged Learning. Typically offered: Fall and Spring Terms. *Department Consent Required.*

CJUS 4356 Clinical Practicum Lab. (Formerly 356) Focus is on teaching interpersonal and primary-level skills of empathy, listening, and interviewing to the introductory level helping professional. Prerequisite: Junior or Senior in CJUS program. Students may not earn credit in both CJUS 4356, PSYC 3356, and SOCL 3356. 4 semester credit hours. Writing Int and Engaged Learn. Typically offered: Fall, Spring and Summer Terms.

CJUS 4390 Criminal Justice Field Placement. (Formerly 390) This field placement provides experience in practice in a professional agency under the supervision of a trained practitioner. Prerequisite: CJUS 4356, consent of field placement director prior to the 10th week of the semester preceding the field placement and a GPA of 3.0 or greater. 3-6 semester credit hours. Engaged Learning. Typically offered: Fall, Spring and Summer Terms. *Department Consent Required. Course Repeatable. Maximum number of units allowed 6.*

CJUS 4395 Senior Thesis. (Formerly 395) Completion of an original research project under faculty supervision, involving either an original survey design, case study, or experimental analysis. Prerequisite: PSYC 4351 or SOCL 4351 or CJUS 4351. Students may not earn credit in both CJUS 4395, PSYC 4395, and SOCL 4395. 3 semester credit hours. Engaged Learning.

Diagnostic Medical Sonography

DMSC 4301 Fundamentals of Sonography. (Formerly 301) Orientation to basic ultrasound equipment, instrumentation and transducers, acoustic energy, scanning planes and techniques, anatomy identification, image orientation, and terminology. This course must be passed to continue into the Fall semester of the DMS program. 3 semester credit hours. *Department Consent Required.*

DMSC 4302 Management and Methods of Patient Care. (Formerly 302) 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 credit hour. *Department Consent Required.*

DMSC 4303 Sectional Anatomy for Sonographers. (Formerly 303) Study of anatomy of the abdomen, pelvis, and thoracic cavities, the extremities, and the cervical area. Focus is on cross-sectional and 3-dimensional relationships. 2 semester credit hours. *Department Consent Required.*

DMSC 4304 Abdomen Sonography w/Lab. (Formerly 304) 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 credit hours. *Department Consent Required.*

DMSC 4305 Obstetrics-Gynecology Sonography. (Formerly 305) 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 credit hours. *Department Consent Required.*

DMSC 4306 Clinical Education I. (Formerly 306) 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 credit hours. Engaged Learning. *Department Consent Required.*

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DMSC 4307 Principles of Ultrasound Physics I. (Formerly 307) Introduction and study of the fundamental principles of diagnostic ultrasound physics. Study of acoustic energy and diagnostic ultrasound equipment instrumentation, artifacts and quality control. 3 semester credit hours. *Department Consent Required.*

DMSC 4308 Obstetrics-Gynecology Pathology. (Formerly 308) 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 credit hours. *Department Consent Required.*

DMSC 4309 Pathophysiology. (Formerly 309) Review of organ physiology processes and cellular involvement in various pathologic conditions. Major organ systems and related pathologies are discussed. 2 semester credit hours. *Department Consent Required.*

DMSC 4310 Abdomen Pathology. (Formerly 310) 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 credit hours. *Department Consent Required.*

DMSC 4311 Clinical Education II. (Formerly 311) 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 credit hours. Engaged Learning. *Department Consent Required.*

DMSC 4312 Principles of Ultrasound Physics II. (Formerly 312) 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 credit hours. *Department Consent Required.*

DMSC 4313 Ultrasound Image Critique. (Formerly 313) 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 credit hour. *Department Consent Required.*

DMSC 4314 Clinical Education III. (Formerly 314) 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. Pass-fail grading. 3 semester credit hours. Engaged Learning. *Department Consent Required.*

DMSC 4315 Introduction to Pediatrics and Vascular Imaging. (Formerly 315) 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 credit hour. *Department Consent Required.*

DMSC 4316 Specialty Sonography. (Formerly 316) 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 credit hours. *Department Consent Required.*

DMSC 4317 Clinical Education IV. (Formerly 317) 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 credit hours. Engaged Learning. *Department Consent Required.*

DMSC 4318 Registry Review. (Formerly 318) 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 credit hours. *Department Consent Required.*

Economics

ECON 1100 Introduction to Economics. (Formerly 100) 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). Prerequisite: MATH 0095. 3 semester credit hours. Political/Global/Econ MOI. Typically offered: Fall and Spring Terms.

ECON 2101 Principles of Macroeconomics. (Formerly 101) Determination of income, employment, and the price level. Effects of fiscal and monetary policies. Prerequisite: MATH 1105, 1108, or 1110. 3 semester credit hours. Political/Global/Econ MOI.

ECON 2102 Principles of Microeconomics. (Formerly 102) Demand-Supply model, consumer and firm decision-making, market structures, price determination, resource allocation. Prerequisite: MATH 1105, 1108, 1110. 3 semester credit hours. Political/Global/Econ MOI.

ECON 2201 Theory of Income and Economic Growth. (Formerly 201) Advanced analysis of determinants of growth, national income, employment, and price level; monetary and fiscal policy. Prerequisite: ECON 2101, ECON 2102. 3 semester credit hours.

ECON 2292 Economics Teaching. (Formerly 292) This course is a practicum in economics. 1-3 semester credit hours. Typically offered: Fall and Spring Terms. *Department Consent Required. Course Repeatable. Maximum number of units allowed 12.*

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ECON 3202 Price Theory and Application. (Formerly 202) Analysis of consumer choices and of decision-making by firms under different market conditions. Prerequisite: "C" or better in ECON 1101 and ECON 1102. 3 semester credit hours.

ECON 3291 Topics. (Formerly 291) 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 credit hours. *Course Repeatable. Maximum number of units allowed 15.*

ECON 3305 Comparative Economic Systems. (Formerly 305) A comparative analysis of the major world economic systems, including a critical appraisal of underlying philosophies, economic theories, structures, and performance. 3 semester credit hours.

ECON 3360 International Trade and Finance. (Formerly 360) Trade theory, trade barriers, balance of payments, exchange rates, open-economy macroeconomics. Prerequisite: ECON 2101 and ECON 4310. 3 semester credit hours.

ECON 3370 Industrial Organization & Policy. (Formerly 370) 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 3202. 3 semester credit hours.

ECON 4297 Internship. (Formerly 297) Practical experience in economics/business-related fields under the supervision of the program. Prerequisite: Permission of the department or of the instructor. 2-6 semester credit hours. Engaged Learning. Typically offered: Periodically. *Department Consent Required.*

ECON 4391 Topics. (Formerly 391) 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 credit hours. Typically offered: Periodically. *Course Repeatable. Maximum number of units allowed 15.*

Education

EDUC 2200 Preclinical Experience Level 1 with Seminar. (Formerly 200) This preclinical experience introduces the candidate to K-12 education through active observation and analysis of the learning environment, instructional planning, and student learning. Candidates are expected to exhibit professionalism throughout all components of the experience. Experience includes directed activities in off-campus school settings and on-campus seminars. Personal transportation is required. Prerequisite Main Campus: Checkpoint 1 – Pre-Admission to TEP; 30 or more credit hours; or department approval. 1 semester credit hour. Engaged Learning. Typically offered: Fall and Spring Terms.

EDUC 2205 Educational Foundations. (Formerly 205) This introductory course in education will introduce teacher education candidates to the historical, philosophical, social, and the legislative foundations of education. Prerequisite Main Campus: Checkpoint 1 – Pre-Admission to TEP; 30 or more credit hours; or department approval. 3 semester credit hours. Typically offered: Fall and Spring Terms. *Course Repeatable. Maximum number of units allowed 3.*

EDUC 2207 Introduction to Education Seminar. (Formerly 207) This course is a survey of the teaching profession through exploration of critical issues in education, the K-12 school environment, and the Benedictine University Teacher Education Program (TEP). This course also introduces the state and national teaching and

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learning standards including licensure requirements for becoming a teacher. Prerequisite Main Campus: Checkpoint 1 – Pre-Admission to TEP; 30 or more credit hours; or department approval. 1 semester credit hour. Typically offered: Fall, Spring and Summer Terms.

EDUC 2210 Educational Psychology. (Formerly 210/241) The purpose of this course is to show individuals how educational psychology can improve their all-important role as an educational decision maker. In this course students will explore various theoretical perspectives and research findings on how students develop throughout the elementary and secondary years, how they differ from one another in ways that affect their classroom performance, how they learn most effectively, what things motivate them, and how their learning and achievement can best be measured and evaluated. Prerequisite Main Campus: Checkpoint 1 – Pre-Admission to TEP; 30 or more credit hours; or department approval 3 semester credit hours. Typically offered: Fall and Spring Terms.

EDUC 2215 Technology for Teachers. (Formerly 215) This course introduces and provides practical experience with digital learning tools that support teaching and learning. These tools will connect the students with professional content, resources, and tools to personalize their teaching and learning. Prerequisite Main Campus: Checkpoint 2 –Admission to TEP; 60 or more credit hours; or department approval. 3 semester credit hours. Typically offered: Fall and Spring Terms.

EDUC 2260 Educating Students with Exceptionalities. (Formerly 260) This course provides candidates with an introduction to the learning and behavioral characteristics of children and youth with diverse disabilities, including those with learning disabilities, emotional and behavioral disorders, intellectual disabilities, communication disorders, physical disabilities, autism spectrum disorders, multiple disabilities, and gifted and talented abilities. It examines the impact of disability on learning and instruction and presents tactics that can be used to differentiate curricula and instruction in ways that foster the personal and educational success of all learners. Prerequisite Main Campus: Checkpoint 1 – Pre-Admission to TEP; 30 or more credit hours; or department approval 3 semester credit hours. Teacher & Core. Typically offered: Fall and Spring Terms. *Course Repeatable. Maximum number of units allowed 3.*

EDUC 3209 Language Arts in the Elementary School. (Formerly 209) A study of the major perspectives on the development of oral and written language. Includes second language acquisition (ELL), phonological awareness, the writing process, listening and speaking in the content areas, children's literature and using assessment to drive instruction. Introduces current methods of teaching integrated lessons utilizing language arts best practices and strategies for improving the quality and quantity of oral and written language in elementary classroom settings with special emphasis on the impact on literacy development. Prerequisite Main Campus: Checkpoint 1 – Pre-Admission to TEP; 30 or more credit hours; or department approval. 3 semester credit hours. Typically offered: Fall and Spring Terms.

EDUC 3234 Preclinical Experience Level 2 with Seminar. (Formerly 234) This preclinical experience introduces the candidate to teaching methods, including planning, classroom management, and instructional delivery strategies where K-12 students engage in learning experiences. Candidates are expected to exhibit professionalism throughout all components of the experience. Experience includes directed activities in off-campus school settings and on-campus seminars. Personal transportation is required. Prerequisite Main Campus: Checkpoint 2 –Admission to TEP; 60 or more credit hours; or department approval 1 semester credit hour. Writing Int and Engaged Learn. Typically offered: Fall and Spring Terms.

EDUC 3240 Teaching Reading/Writing in the Elementary School. (Formerly 240) This course provides a broad understanding of the processes by which elementary students learn to read and write. Focus is on exploring the

development of a comprehensive balanced reading/ language arts program by differentiating all language arts components. Evidenced-based instructional practices promoting factors involved in teaching reading readiness, reading in primary grades, word recognition, fluency, and comprehension as readers/writers move from emergent literacy to the fluent stages of reading are introduced. Investigation of materials and procedures used for teaching reading in content area are also emphasized, and strategies and techniques for promoting and expanding literacy for English Language Learners and others with diverse educational needs are presented. Prerequisite Main Campus: Checkpoint 2 –Admission to TEP; 60 or more credit hours; or department approval. 3 semester credit hours. Typically offered: Fall and Spring Terms.

EDUC 3257 Characteristics of Learners with Low Incidence Disabilities. (Formerly 257) This course provides candidates with an introduction to the learning and behavioral characteristics of children and youth with diverse disabilities, including those with learning disabilities, emotional and behavioral disorders, intellectual disabilities, communication disorders, physical disabilities, autism spectrum disorders, multiple disabilities, and gifted and talented abilities. It examines the impact of disability on learning and instruction and presents tactics that can be used to differentiate curricula and instruction in ways that foster the personal and educational success of all learners. Prerequisite Main Campus: Checkpoint 1 – Pre-Admission to TEP; 30 or more credit hours; or department approval. 3 semester credit hours. Typically offered: Fall and Spring Terms.

EDUC 3265 Characteristics of Learners with High Incidence Disabilities. (Formerly 265) This course is a comprehensive study of theoretical issues and research-based educational planning and programmatic organization of instruction for school-age individuals with high incidence disabilities (i.e., learning disabilities, mild cognitive disabilities, speech-language disorders, other health impairments, developmental delays, traumatic brain injuries, and Asperger's syndrome). Content will address curriculum design, development of individualized programs involving evidence-based interventions that meet students' needs. Focus will also be given to the development and implementation of differentiated curriculum and curricular enhancements. Prerequisite Main Campus: Checkpoint 3 – Advancement in TEP; 75 or more credit hours; or department approval. 3 semester credit hours. Typically offered: Fall and Spring Terms.

EDUC 3310 Assessment in Action. (Formerly 310) This course focuses on identifying, developing and evaluating formative and summative assessments used to monitor student learning, student growth and instructional delivery. Students learn how to use data to make decisions concerning instructional and curricular effectiveness, and adjusting practices using differentiated strategies in order to meet the needs of all students. Prerequisite Main Campus: Checkpoint 3 – Advancement in TEP; 75 or more credit hours; or department approval. 3 semester credit hours. Typically offered: Fall and Spring Terms.

EDUC 3311 Assessment and Diagnosis for Special Education (LBSI). (Formerly 311) 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. Prerequisite: EDUC 2260 and cumulative GPA of 2.5 or higher. 3 semester credit hours.

EDUC 3312 Methods of Teaching Social Studies - Elementary. (Formerly 312) This course focuses on planning and designing elementary social science instruction based on the knowledge of social science content and structure, the characteristics of a diverse student population, curricular goals, and the community context. Prerequisite Main Campus: Checkpoint 2 – Admission to TEP; 60 or more credit hours; or department approval. 3 semester credit hours. Typically offered: Fall Term.

EDUC 3315 Methods of Teaching Mathematics - Elementary. (Formerly 315) This course focuses on planning and designing elementary mathematical instruction based on the knowledge of mathematical content and

structure, the characteristics of a diverse student population, curricular goals, and the community context. Prerequisite Main Campus: Checkpoint 2 – Admission to TEP; 60 or more credit hours; or department approval. 3 semester credit hours. Typically offered: Fall Term.

EDUC 3318 Methods of Teaching Science - Elementary. (Formerly 318) This course focuses on planning and designing elementary science instruction based on the knowledge of science content and structure, the characteristics of a diverse student population, curricular goals, and the community context. Prerequisite Main Campus: Checkpoint 2 – Admission to TEP; 60 or more credit hours; or department approval. 3 semester credit hours. Typically offered: Fall and Spring Terms.

EDUC 3330 Methods of Teaching Physical Science - Middle/Jr. and High School. (Formerly 330) This course focuses on planning and designing middle and secondary education Physics instruction based on the knowledge of science content and structure, the characteristics of a diverse student population, curricular goals, and the community context. Prerequisite Main Campus: Checkpoint 3 – Advancement in TEP; 75 or more credit hours; or department approval. 3 semester credit hours. Typically offered: Fall Term.

EDUC 3331 Methods of Teaching Chemical Science - Middle/Jr. and High School. (Formerly 331) This course focuses on planning and designing middle and secondary education chemistry instruction based on the knowledge of science content and structure, the characteristics of a diverse student population, curricular goals, and the community context. Prerequisite Main Campus: Checkpoint 3 – Advancement in TEP; 75 or more credit hours; or department approval. 3 semester credit hours. Typically offered: Fall and Spring Terms.

EDUC 3332 Methods of Teaching Biological Science - Middle/Jr. High School. (Formerly 332) This course focuses on planning and designing middle and secondary education Biology instruction based on the knowledge of science content and structure, the characteristics of a diverse student population, curricular goals, and the community context. Prerequisite Main Campus: Checkpoint 3 – Advancement in TEP; 75 or more credit hours; or department approval. 3 semester credit hours. Typically offered: Fall and Spring Terms.

EDUC 3335 Methods of Teaching Mathematics - Middle/Jr. and High School. (Formerly 335) This course focuses on planning and designing middle and secondary education math instruction based on the knowledge of science content and structure, the characteristics of a diverse student population, curricular goals, and the community context. Prerequisite Main Campus: Checkpoint 3 – Advancement in TEP; 75 or more credit hours; or department approval. 3 semester credit hours. Typically offered: Fall and Spring Terms.

EDUC 3338 Methods of Teaching English - Middle/Jr. and High School. (Formerly 338) This course focuses on planning and designing middle and secondary education English/ Language Arts instruction based on the knowledge of science content and structure, the characteristics of a diverse student population, curricular goals, and the community context. Prerequisite Main Campus: Checkpoint 3 – Advancement in TEP; 75 or more credit hours; or department approval. 3 semester credit hours. Typically offered: Fall and Spring Terms.

EDUC 3340 Methods of Teaching Spanish-Elementary, Middle/Junior, and High School. (Formerly 340) This course focuses on planning and designing middle and secondary education Spanish instruction based on the knowledge of science content and structure, the characteristics of a diverse student population, curricular goals, and the community context. Prerequisite Main Campus: Checkpoint 3 – Advancement in TEP; 75 or more credit hours; or department approval. 3 semester credit hours. Typically offered: Fall and Spring Terms. *Department Consent Required.*

EDUC 3342 Methods of Teaching History, Political Science and Economics-Middle/Jr. and High School.

(Formerly 342) This course focuses on planning and designing middle and secondary education history, political science, and economics instruction based on the knowledge of science content and structure, the characteristics of a diverse student population, curricular goals, and the community context. Prerequisite Main Campus: Checkpoint 3 – Advancement in TEP; 75 or more credit hours; or department approval. 3 semester credit hours. Typically offered: Fall and Spring Terms.

EDUC 3343 Methods of Teaching Business/Marketing/Computer Education - Middle/Junior and High School.

(Formerly 343) This course focuses on planning and designing middle and secondary education business, marketing, and computer education instruction based on the knowledge of science content and structure, the characteristics of a diverse student population, curricular goals, and the community context. Prerequisite Main Campus: Checkpoint 3 – Advancement in TEP; 75 or more credit hours; or department approval. 3 semester credit hours. Typically offered: Fall and Spring Terms.

EDUC 3345 Methods of Teaching Physical Education - Elementary, Middle/Jr. and High School.

(Formerly 345) This course focuses on planning and designing middle and secondary education Physical education instruction based on the knowledge of science content and structure, the characteristics of a diverse student population, curricular goals, and the community context. Prerequisite Main Campus: Checkpoint 3 – Advancement in TEP; 75 or more credit hours; or department approval. 3 semester credit hours. Typically offered: Fall and Spring Terms.

EDUC 3357 Methods of Teaching Learners with Low Incidence Disabilities.

(Formerly 357) Prerequisite: Cumulative G.P.A. 2.75 or higher; admission to TEP. 3 semester credit hours. Engaged Learning. Typically offered: Spring Term.

EDUC 3358 Methods of Teaching Learners with High Incidence Disabilities.

(Formerly 358) Prerequisite: Cumulative G.P.A. 2.75 or higher; admission to TEP. 3 semester credit hours. Engaged Learning. *Department Consent Required.*

EDUC 3391 Topics.

(Formerly 391) Relevant topics according to the needs and interest of education students. Prerequisite Main Campus: Checkpoint 3 – Advancement in TEP; 75 or more credit hours; or department approval. 1-3 semester credit hours. *Course Repeatable. Maximum number of units allowed 99.*

EDUC 3395 Independent Study in Education.

(Formerly 395) 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 Main Campus: Checkpoint 3 – Advancement in TEP; 75 or more credit hours; or department approval. 1-3 semester credit hours. *Department Consent Required. Course Repeatable. Maximum number of units allowed 99.*

EDUC 4236 Preclinical Experience Level 3 with Seminar.

(Formerly 236) This preclinical experience allows the candidate to plan lessons and implement differentiated instruction while practicing multiple classroom management and assessment strategies. Candidates evaluate their own teaching of these lessons in consultation with the cooperating teacher and the university supervisor. Candidates are expected to participate in collaborative activities and exhibit professionalism throughout all components of the experience. Experience includes directed activities in off-campus school settings and on-campus seminars. Personal transportation is required. Prerequisite Main Campus: Checkpoint 3 – Advancement in TEP; 75 or more credit hours; or department approval. 1 semester credit hour. Engaged Learning. Typically offered: Fall and Spring Terms.

EDUC 4308 Creating An Inclusive Learning Environment. (Formerly 308) This course is designed to provide knowledge and skills including designing, adapting, and evaluating materials, methods, and resources for individuals with a variety of disabilities as defined by Individuals with Disabilities Education Improvement Act (IDEA) (20 USC 1400 et seq.). In addition the course will include knowledge and skills for collaborating and consulting with other educators regarding specially designed instruction and how to build inclusive classrooms for individuals with disabilities and presents strategies that can be used to differentiate curricula and instruction in ways that foster the personal and educational success of all learners. Prerequisite Main Campus: Checkpoint 3 – Advancement in TEP; 75 or more credit hours; or department approval. 3 semester credit hours. Typically offered: Fall and Spring Terms.

EDUC 4320 Reading/Writing Diagnostics for All Learners. (Formerly 320) This course focuses on the recognition and diagnosis of reading difficulties using a variety of assessment tools and on prescribing and implementing a variety of appropriate methods and materials to improve the reading performance of all learners. Students will understand how assessment drives instruction through thorough analysis of students reading performance. Emphasis is on the study of principles of remedial-corrective reading and language arts methods, analysis and interpretation of data, and materials useful in correction of reading and language arts difficulties. Students will select appropriate reading assessment instruments, observe and record data, analyze test scores and performance, interpret data, and outline accommodations and plans for remediation. Educational decisions will be made based on data provided by local and/or state assessments and communication of these assessment results will be made. Prerequisite Main Campus: Checkpoint 3 – Advancement in TEP; 75 or more credit hours; or department approval. 3 semester credit hours. Writing Intensive Course. Typically offered: Fall and Spring Terms.

EDUC 4355 Managing the Learning Environment. (Formerly 355) This course is designed to provide knowledge and skills for structuring a safe and healthy learning environment that facilitates cultural and linguistic responsiveness, emotional well-being, self-efficacy, positive social interaction, mutual respect, active engagement, academic risk-taking, self-motivation, and personal goal setting. This course also includes identifying positive programming strategies for managing challenging behavior in elementary, middle school, secondary and special education classrooms. Prerequisite Main Campus: Checkpoint 3 – Advancement in TEP; 75 or more credit hours; or department approval. 3 semester credit hours. Typically offered: Fall and Spring Terms. *Department Consent Required.*

EDUC 4364 Methods of Reading & Reading/Writing in the Content Area for Middle and Secondary Schools. (Formerly 364) This course shows pre-service content area teachers how to use literacy-related instructional strategies to help students think and learn with all kinds of print and digital texts. The emphasis is on the comprehensive content, including an ever-expanding knowledge base in the areas of literacy, cognition and learning, and English-Language Learning. Prerequisite Main Campus: Checkpoint 3 – Advancement in TEP; 75 or more credit hours; or department approval. 3 semester credit hours. Typically offered: Fall and Spring Terms.

EDUC 4370 Student Teaching. (Formerly 370) This course is a full-time supervised student teaching experience in grades 1-6 for a minimum of 12 weeks in an elementary school. It includes a student teaching seminar. This experience is directed by a qualified supervising teacher and has university-provided supervision. Prerequisite: EDUC 2210, 2205, 2260, 2207, 2200, 3240, 3315, 3318, 3312, 4320, 2215, 3310, 4355 Preclinical Level 2, Language Arts, Preclinical Level 3, Inclusive Classrooms. 12 semester credit hours. Engaged Learning. Typically offered: Fall and Spring Terms. *Department Consent Required.*

EDUC 4371 Student Teaching (w/ Seminar) Education Minor. (Formerly 371) Student teaching is the capstone of the professional education program and provides candidates the opportunity to apply knowledge and skills from core education coursework, with a focus on differentiated instructional practices, multiple learning environments, professional collaboration, school policies and procedures, and reflective practice. During student teaching, candidates steadily increase classroom responsibilities and demonstrate competency in planning, instruction, assessment, and other professional tasks, culminating in their assuming full responsibility for students in a classroom setting. Candidates are expected to exhibit professionalism throughout all components of the experience. Experience includes directed activities in off-campus school settings and on-campus seminars. Personal transportation is required. Prerequisite Main Campus: Checkpoint 4 – Admission to Student Teaching; 90 or more credit hours; and department approval. 12 semester credit hours. Engaged Learning. Typically offered: Fall and Spring Terms. *Department Consent Required.*

EDUC 4372 Student Teaching (w/ Seminar) Special Education (LBS1). (Formerly 372) Student teaching is the capstone of the professional education program and provides candidates the opportunity to apply knowledge and skills from core education coursework, with a focus on differentiated instructional practices, multiple learning environments, professional collaboration, school policies and procedures, and reflective practice. During student teaching, candidates steadily increase classroom responsibilities and demonstrate competency in planning, instruction, assessment, and other professional tasks, culminating in their assuming full responsibility for students in a classroom setting. Candidates are expected to exhibit professionalism throughout all components of the experience. Experience includes directed activities in off-campus school settings and on-campus seminars. Personal transportation is required. Prerequisite Main Campus: Checkpoint 4 – Admission to Student Teaching; 90 or more credit hours; and department approval. 12 semester credit hours. Engaged Learning. Typically offered: Fall and Spring Terms. *Department Consent Required.*

EDUC 4374 Student Teaching K-8 Elementary Music Education with Seminar. (Formerly 374) Student teaching is the capstone of the professional education program and provides candidates the opportunity to apply knowledge and skills from core education coursework, with a focus on differentiated instructional practices, multiple learning environments, professional collaboration, school policies and procedures, and reflective practice. During student teaching, candidates steadily increase classroom responsibilities and demonstrate competency in planning, instruction, assessment, and other professional tasks, culminating in their assuming full responsibility for students in a classroom setting. Candidates are expected to exhibit professionalism throughout all components of the experience. Experience includes directed activities in off-campus school settings and on-campus seminars. Personal transportation is required. Prerequisite Main Campus: Checkpoint 4 – Admission to Student Teaching; 90 or more credit hours; and department approval. 6 semester credit hours. Engaged Learning. Typically offered: Fall and Spring Terms. *Department Consent Required.*

EDUC 4375 Student Teaching 6-12 Secondary Music Education (w/ Seminar). (Formerly 375) Student teaching is the capstone of the professional education program and provides candidates the opportunity to apply knowledge and skills from core education coursework, with a focus on differentiated instructional practices, multiple learning environments, professional collaboration, school policies and procedures, and reflective practice. During student teaching, candidates steadily increase classroom responsibilities and demonstrate competency in planning, instruction, assessment, and other professional tasks, culminating in their assuming full responsibility for students in a classroom setting. Candidates are expected to exhibit professionalism throughout all components of the experience. Experience includes directed activities in off-campus school settings and on-campus seminars. Personal transportation is required. Prerequisite Main Campus: Checkpoint 4 – Admission to Student Teaching; 90 or more credit hours; and department approval. 6 semester credit hours. Engaged Learning. Typically offered: Fall and Spring Terms. *Department Consent Required.*

EDUC 4378 Student Teaching, Physical Education-Elementary, Middle and High School (w/ Seminar).

(Formerly 378) Student teaching is the capstone of the professional education program and provides candidates the opportunity to apply knowledge and skills from core education coursework, with a focus on differentiated instructional practices, multiple learning environments, professional collaboration, school policies and procedures, and reflective practice. During student teaching, candidates steadily increase classroom responsibilities and demonstrate competency in planning, instruction, assessment, and other professional tasks, culminating in their assuming full responsibility for students in a classroom setting. Candidates are expected to exhibit professionalism throughout all components of the experience. Experience includes directed activities in off-campus school settings and on-campus seminars. Personal transportation is required. Prerequisite Main Campus: Checkpoint 4 – Admission to Student Teaching; 90 or more credit hours; and department approval. 12 semester credit hours. Engaged Learning. Typically offered: Fall and Spring Terms. *Department Consent Required.*

Electrical and Computer Engineering

ECE 4406 Intro to Wireless Comm Systems. (Formerly 406) Offered through IIT. 3 semester credit hours.

ECE 4408 Intro to Computer Networks. (Formerly 408) IIT Joint Engineering Program 3 semester credit hours.

ECE 4418 Power Systems Analysis. (Formerly 418) IIT course 3 semester credit hours. *Department Consent Required.*

ECE 4430 Fund of Semiconductor Devices. (Formerly 430) Offered through IIT. 3 semester credit hours.

Engineering

ENGR 1100 Introduction to the Engineering Profession. (Formerly 100) This course is an introduction to the field of engineering designed for students entering or considering the engineering profession as a career path. The course consists of hands-on projects, where students will learn the basics of the engineering design process, as well as presentations by outside speakers who will discuss specifics about the different fields of engineering. 1 semester credit hour. Typically offered: Fall Term.

ENGR 1110 Engineering Design. (Formerly 110) A hands-on course where students learn the engineering design process and problem solving through the implementation and completion of projects from different fields of engineering. During the course students will work in groups to develop skills in design, teamwork, technical writing, and presentations. 3 semester credit hours. Writing Intensive, QPS. Typically offered: Spring Term.

ENGR 1120 Engineering Graphics. (Formerly 120) 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 3D design. 2 semester credit hours. Typically offered: Fall Term.

ENGR 2220 Statics. (Formerly PHYS 220) This class covers the principles of mechanics and their application to static engineering problems. The course includes both lecture and lab components designed to stimulate students' understanding of equilibrium concepts in mechanics. Vector analysis will be discussed as a useful tool. Topics will include: statics of particles, rigid bodies: (equivalent systems of forces, equilibrium of rigid bodies),

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distributed forces (centroids and centers of gravity, analysis of structures, internal forces and moments, friction, moments of inertia). Prerequisite: "C" or better in PHYS 2211 and MATH 2211. Cross-listed as PHYS/ENGR 3220. 3 semester credit hours. Typically offered: Fall Term.

ENGR 3221 Dynamics. (Formerly PHYS 221) This class covers the principles of mechanics and its application to dynamic physics and engineering problems. The topics include (but are not limited to): kinematics of particles, kinetics of particles (Newton's second law, energy and momentum methods), systems of particles, kinematics of rigid bodies, plane motion of rigid bodies (forces and accelerations, energy and momentum methods, mechanical vibrations). Prerequisite: "C" or better in PHYS 2220 or ENGR 2220 and credit or co-registration in MATH 2260. Cross listed as PHYS/ENGR 3221. 3 semester credit hours. Typically offered: Spring Term, Even Years.

ENGR 3264 Electronics. (Formerly PHYS 264) 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, nodal analysis, mesh analysis, power supplies, operational amplifiers, logic circuits, and Laplace transforms. Lecture and laboratory work are integrated allowing the students to test theories through projects and experiments. Prerequisite: "C" or better in PHYS 2212 and MATH 2211. Cross listed as PHYS/ENGR 3264. 3 semester credit hours. Typically offered: Spring Term, Even Years.

Entrepreneurship

ENT 3310 Finance and Funding. (Formerly 310) This course focuses on funding and managing entrepreneurial businesses through the various stages of business growth and explores differences in funding for different business models and organizations (e.g. technology, non-profit). Students will learn: 1) how to develop pro forma financial plans, 2) conduct what-if analysis, b) the changing funding requirements of a firm growing from inception through maturity with a particular emphasis on deal structure and risk/reward scenarios for different investor types. 3 semester credit hours.

ENT 3330 Family Business. (Formerly 330) In this course, students are challenged to advance a real opportunity for value creation within a family business. Students will conduct both primary and secondary research through engaging family members, prospective customers, experts, suppliers, stakeholders, and investors of a family-run business. Students will gain a clearer understanding of the complexities involved with mixing entrepreneurial efforts and family dynamics. Course readings and cases will provide supplemental background. 3 semester credit hours.

ENT 4320 Technology Innovation. (Formerly 320) Many new businesses are based on technology (e.g., Facebook, Amazon...) for its products or services, which presents many challenges. New technology is often embraced because of its "coolness" factor while the downside risks are ignored. The Internet of Things is presenting such challenges by exposing companies to potential litigation from harmed customers. Other challenges in areas of intellectual property protection, team building and funding opportunities also exist. This course explores entrepreneurship in growing new technology ventures. 3 semester credit hours.

ENT 4340 Entrepreneurial Challenge. (Formerly 340) The Entrepreneurial Challenge course is highly competitive, patterned after the TV shows "Apprentice" and "Shark Tank". Students, organized in teams, will compete over the semester, testing their skills in strategy, marketing, negotiation, management, finance and problem solving. Students will form a business, develop a business plan, and present their results to a panel of judges. 3 semester credit hours.

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Environmental Science

ENVS 4398 Capstone Project. (Formerly 398) 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. 1-3 semester credit hours. Engaged Learning & Sustain. Typically offered: Periodically. *Department Consent Required. Course Repeatable. Maximum number of units allowed 3.*

Finance

FINA 2220 Personal Financial Planning. (Formerly 220) 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. 3 semester credit hours. Individ/Org/Societies MOI. Typically offered: Periodically.

FINA 2300 Managerial Finance. (Formerly 300) An analysis of the functions of financial management in the decision-making process of the firm. Prerequisite: ACCT 1112; MATH 1105 or MATH 1110. 3 semester credit hours. Typically offered: Fall and Spring Terms.

FINA 3297 Internship. (Formerly 297) Practical experiences in business related fields under the supervision of the program coordinator. 2-6 semester credit hours. Engaged Learning. *Department Consent Required. Course Repeatable. Maximum number of units allowed 12.*

FINA 3320 Investments. (Formerly 320) A framework useful to develop investment policy for individuals and institutions; security evaluation methods and portfolio management strategies are developed. Prerequisite: FINA 2300. 3 semester credit hours. Typically offered: Fall Term.

FINA 3335 Risk Management. (Formerly 335) This course will introduce students to risk management issues faced by all companies. The course will cover governance, types of risk, (market, credits, liquidity, operational, and reputational), how to calculate Value at Risk using simulation, portfolio Value at Risk, and Stress Testing. Prerequisite: FINA 2300; MGT 2251 or BALT 3301. 3 semester credit hours. Typically offered: Annually.

FINA 3345 Fixed Income. (Formerly 345) This course will introduce students to international fixed income markets and debt securities. Topics covered include: interest rate measures, forwards, futures, duration and convexity, the yield curve, and yield spreads. Prerequisite: FINA 2300; MGT 2251 or BALT 3301. 3 semester credit hours. Typically offered: Annually.

FINA 3365 Fundamental and Technical Currency Trading. (Formerly 365) Fundamental and technical trading is driven by the practitioners' knowledge of managing an enhanced algorithmic proprietary foreign exchange fund. The class will learn the basics of managing money and speculative trading on the basis of economic analysis, western and eastern technical analysis (with an emphasis on candlestick charting), and psychological attitudes. Students will produce and trade their own speculative trading plan: watch the market, analyze profitable situations, and produce winning trades. The class will manage a \$50K simulation speculation book and will also watch the professor trade a real money book in class. This class is necessary if the student plans to enroll in the Talon Fund internship which is the Benedictine vehicle for the MMspire Trading internship: <http://www.mmspiretrading.com/>. Prerequisite: FINA 2300. 3 semester credit hours. *Department Consent Required.*

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FINA 3370 Multinational Corporate Finance. (Formerly 370) 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. Prerequisite: ECON 2101, ECON 2102, ACCT 1111. 3 semester credit hours. Typically offered: Fall and Spring Terms.

FINA 3391 Topics. (Formerly 391) Specially designed courses in various business topics to supplement the business curriculum. Prerequisite: Varies based upon the specific topic being explored. 3 semester credit hours. *Course Repeatable. Maximum number of units allowed 12.*

FINA 3395 Independent Study. (Formerly 395) Provides an opportunity for an advanced student in the major to pursue study in a field of business related interest. 1-3 semester credit hours. *Department Consent Required. Course Repeatable. Maximum number of units allowed 12.*

FINA 4310 Money and Financial Markets. (Formerly 310) Study of money, the banking system, monetary theories, and relation of the monetary system to national income, employment, and price levels. Prerequisite: ECON 1101, ECON 1102. Cross-listed as ECON 4310/FINA 3310. 3 semester credit hours.

FINA 4325 Derivatives. (Formerly 325) An examination of the pricing and use of options, futures, forwards and swaps in the financial markets. Prerequisite: FINA2300. 3 semester credit hours. Typically offered: Annually.

FINA 4330 Predictive Analytics I. (Formerly 330) 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. Prerequisite: MGT2251 or BALT3301. 3 semester credit hours. Typically offered: Fall Term.

FINA 4355 Equity Valuation. Formerly 355) This course will introduce students risk management issues faced by all companies. The course will cover governance, types of risk (market, credit, liquidity, operational and reputational), how to calculate Value at Risk using simulation, portfolio Value at Risk and Stress Testing. Prerequisite: FINA 2300 and MGT 2251 or BALT 3301. 3 semester credit hours. Typically offered: Fall and Spring Terms.

FINA 4380 Advanced Managerial Finance. (Formerly 380) 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. This is the capstone course for the Finance major. Prerequisite: FINA 2300. 3 semester credit hours. Typically offered: Spring Term.

FINA 4397 Institute Project. (Formerly 397) Practical experiences in business related fields under the supervision of the program coordinator. 2-6 semester credit hours. Engaged Learning. *Department Consent Required. Course Repeatable. Maximum number of units allowed 12.*

Fine Arts

FNAR 1100 Art Appreciation. (Formerly 100) Introduction to the visual arts through lectures, discussions and field trips. 3 semester credit hours. Artistic/Creative MOI. Typically offered: Fall and Spring Terms.

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FNAR 1101 Fundamentals of Design. (Formerly 101) Emphasizes the knowledge and application of basic design principles of two-dimensional images in abstract and representational forms. 3 semester credit hours. Artistic/Creative MOI. Typically offered: Fall Term.

FNAR 1103 Three-Dimensional Design. (Formerly 103) A studio art course which explores the design principles when applied to the exploration and ordering of three-dimensional space. Using a variety of physical materials students will construct artworks which challenge their conceptual capacity of considering visual and tactile properties of form. No prerequisite. 3 semester credit hours. Artistic/Creative MOI.

FNAR 1120 Lettering & Layout - Foundational. (Formerly 120) Introduction to calligraphic lettering with a broad-nib pen. Explores a variety of designs and techniques in italic and related cursive styles. Core. 3 semester credit hours. Artistic/Creative MOI. Typically offered: Fall Term.

FNAR 1121 Lettering & Layout - Italic. (Formerly 121) Introduction to calligraphic lettering with a broad-nib pen. Explores a variety of designs and techniques in italic and related cursive styles. Core. Artistic and Creative Mode of Inquiry (QCA). 3 semester credit hours. Artistic/Creative MOI. Typically offered: Spring Term.

FNAR 2111 Drawing I. (Formerly 111) Fundamentals of drawing from observation with emphasis on sight measuring, linear perspective, and tone modeling. Subjects of drawing comprise the still life, perspective interior, and the portrait. Fee \$40.00. 3 semester credit hours. Artistic/Creative MOI. Typically offered: Fall and Spring Terms.

FNAR 2203 Ancient and Medieval Art. (Formerly 203) Art historical survey of significant paintings, sculptures and buildings with emphasis on religious concepts. 3 semester credit hours. Artistic/Creative MOI. Typically offered: Fall Term.

FNAR 2204 Renaissance to Modern Art. (Formerly 204) Art historical survey of painting, sculpture and architecture in Western civilization with emphasis on religious concepts. 3 semester credit hours. Artistic/Creative MOI. Typically offered: Spring Term.

FNAR 2205 Non-Western Art History. (Formerly 205) Introduction to the history of the visual cultures of Africa, India and Southeast Asia, China and Japan. Emphasizes the arts in context, especially the world religions Buddhism, Christianity, Hinduism and Islam. Core. 3 semester credit hours. Artistic/Creative MOI.

FNAR 2206 Modern and Contemporary Art History. (Formerly 206) Survey of major visual arts movements from 1865 to present. Emphasizes artists' contexts and audience reception. Core. 3 semester credit hours. Artistic/Creative MOI.

FNAR 2207 Art of China. (Formerly 207) Chronological survey of the breadth of Chinese art from Ancient period to Contemporary trends: in painting, architecture, decorative arts, printmaking, sculpture, ceramics, photography, performance and installations. Examines major artists, art styles and aesthetic theories within their historical, social, political and aesthetic contexts. 3 semester credit hours. Artistic/Creative MOI. Typically offered: Odd Years.

FNAR 2208 Art of Islam and the Middle East. (Formerly 208) Chronological survey of Islamic and Middle Eastern visual culture from the Ancient period through Contemporary era. Examines major artists, art styles and aesthetic theories within their historical, social, political and aesthetic contexts. 3 semester credit hours. Artistic/Creative MOI. Typically offered: Odd Years.

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FNAR 2240 Printmaking: Intaglio (Etching). (Formerly 240) A studio course emphasizing the etching medium. Core. 3 semester credit hours. Artistic/Creative MOI. Typically offered: Spring Term, Even Years.

FNAR 2241 Printmaking: Relief. (Formerly 241) Introduction to the woodcut and relief processes. Core. 3 semester credit hours. Artistic/Creative MOI. Typically offered: Fall Term, Even Years.

FNAR 2242 Printmaking: Silk-Screen. (Formerly 242) A studio course on silk-screen printing. Core. 3 semester credit hours. Artistic/Creative MOI. Typically offered: Fall Term, Odd Years.

FNAR 2243 Printmaking: Lithography. (Formerly 243) A studio course utilizing the traditional technique of drawing and printing on limestones. 3 semester credit hours. Artistic/Creative MOI. Typically offered: Fall Term, Odd Years.

FNAR 2250 Oil Painting. (Formerly 250) An introductory studio course emphasizing color mixing as it relates to traditional representation. The genre of still life is a major component of the course. 3 semester credit hours. Artistic/Creative MOI. Typically offered: Spring Term.

FNAR 2291 Topics. (Formerly 291) Focuses on various topics relating to the needs of the students and recent events and/or topics of interest. Core. 3 semester credit hours. Artistic/Creative MOI. Typically offered: Periodically. *Course Repeatable. Maximum number of units allowed 3.*

FNAR 2293 Digital Photography. (Formerly 293) Emphasis on shooting and manipulation of digital camera imagery. 3 semester credit hours. Artistic/Creative MOI.

FNAR 2294 Computer Art. (Formerly 294) Creation of artwork using the computer as medium. Core 3 semester credit hours. Artistic/Creative MOI. Typically offered: Periodically.

FNAR 2298 Creative Process as Art Therapy. (Formerly 298) This course implements concepts from art therapy and related fields to explore the nature of the creative process itself, utilizing various techniques to enhance artistic self-expression and release creative potential. 3 semester credit hours. Typically offered: Fall and Spring Terms.

FNAR 3210 Figure Drawing. (Formerly 210) Introduction to drawing the human figure from observation. 3 semester credit hours. Typically offered: Fall Term, Odd Years.

FNAR 3211 Drawing II. (Formerly 211) This studio art course is a continuation and expansion of Drawing I which utilizes the representational tradition of drawing. Drawing II will give focus to the compositional and design aspects of picture making. Towards the conclusion of the course the nature of abstraction will be investigated. Reference to historical models of drawing is a constant factor of the course. A variety of materials will be included. Prerequisite: FNAR 2111 Drawing I. 3 semester credit hours.

FNAR 3244 Intermediate Printmaking. (Formerly 244) This is a printmaking course which expands on the techniques of any one, or in combination, of the four printmaking courses (i.e. 2240, 2241, 2242, and 2243). Investigations into color, advanced techniques, and an exploration of texture are key components of the course. Prerequisite: two printmaking courses. 3 semester credit hours.

FNAR 3260 Intermediate Painting. (Formerly 260) This studio art course continues on the foundations of the beginning Oil Painting course which seeks to establish the groundwork for painting from life, the mechanics and

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craft of oil painting, which includes learning to conceptualize working with a pallet of color. Exploration of new genre, including the still life, will be a factor in the course. Prerequisite: FNAR 2250 Oil Painting. 3 semester credit hours.

FNAR 3381 Advanced Studio I. (Formerly 381) 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. Prerequisite: Any 1000 or 2000 level studio course. 3 semester credit hours. Typically offered: Fall and Spring Terms.

FNAR 3383 Advanced Studio III. (Formerly 383) 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. Prerequisite: Advanced Studio II (FNAR 382) 3 semester credit hours. Typically offered: Fall and Spring Terms.

FNAR 3395 Independent Study. (Formerly 395) A course designed to provide students with individual and focused coursework in some area of studio art. 1-3 semester credit hours. *Department Consent Required. Course Repeatable. Maximum number of units allowed 99.*

FNAR 4305 Advanced Painting. (Formerly 305) An advanced 4000 level studio art course that explores the meaning of Modernist abstraction, which also includes the representational tradition. The course will also consider the relevance of understanding contemporary art as it becomes pertinent to conceiving of a personal artistic vision. Having an aesthetic posture of creativity, invention, and discovery is the primary attitude towards the course. This course is not a core elective. 3 semester credit hours.

FNAR 4311 Advanced Drawing. (Formerly 311) An intensive investigation into the use of value and the compositional elements of picture making, while seeking a personal vision. Emphasis will be placed on the methods of representation as evidenced by the traditions of past masters. This is not a core elective. Prerequisite: FNAR 3211 Drawing II. 3 semester credit hours. Typically offered: Fall Term, Even Years.

FNAR 4340 Advanced Printmaking. (Formerly 340) An advanced 4000-level studio art course that utilizes one, or more, of the traditional printmaking mediums. Students are expected to pursue a personal vision while being aware of the influences that contemporary printmaking can offer. Mastery of the printmaking material and techniques will remain a primary concern. Prerequisite: FNAR 3244 Intermediate Printmaking. 3 semester credit hours.

FNAR 4350 Senior Portfolio: Thesis Exhibition. (Formerly 350) This is a capstone course for Senior Art majors. Students are expected to produce a developed vision within their chosen medium of concentration, and then exhibit their artworks in the University Art Gallery. The course will also consider the development of a digital portfolio that can serve the student post-graduation. The critique process by Art faculty is a constant factor in the course. Prerequisite--One of three: FNAR 4305, FNAR 4340, or FNAR 4394. 3 semester credit hours. Writing Int and Engaged Learn. *Department Consent Required.*

FNAR 4394 Advanced Photography. (Formerly 394) An advanced, 4000-level studio art course which would include developing a thesis with a selected concentration in the photographic discipline. This course could also have as a concentration topics related to photo journalism, documentary photography, or event photography. The course begins the process of developing a body of work that leads to a professional portfolio. Prerequisite: FNAR 2294 Intermediate Photography. 3 semester credit hours.

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FNAR 4398 Senior Seminar: Art Criticism. (Formerly 398) This is a writing intensive course that focuses on the methods, theories, and imagery that contribute to the art of writing art criticism. Much emphasis will be placed on the act of interpretation. This course is also intended towards the fine artist who is serious about developing a personal artistic vision. 3 semester credit hours. Writing Intensive Course. Typically offered: Fall Term. *Course Repeatable. Maximum number of units allowed 99.*

Gender Studies

GENS 1100 Gender and Literature. (Formerly 100) 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. Typically cross-listed with a Mode of Inquiry class, and may fulfill the corresponding Mode of Inquiry requirement. See Schedule of Classes for details. 3 semester credit hours.

Geography

GEOG 1106 Geography and Cartography. (Formerly 106) 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 credit hours.

Global Studies

GBLS 1101 Introduction to Global Studies. (Formerly 101) 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 credit hours. Global and QPE. Typically offered: Fall Term.

GBLS 1102 Global Studies II. (Formerly 102) 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 credit hours. Global and QPE. Typically offered: Spring Term.

GBLS 2205 Ancient China. (Formerly 205) Introductory interdisciplinary examination of ancient Chinese history and culture, in a global context, with special attention to Chinese discoveries, technology, warfare, philosophy, and traditions. 3 semester credit hours. Typically offered: Periodically.

GBLS 2269 The American Civil War. (Formerly 269) This course examines the era of the American Civil War with emphasis on the period from 1861-1865, four years during which the United States endured its greatest national trauma. The course examines the economic, social, cultural and political causes of the war as well as a detailed analysis of the military history of the war. The course moves through biological sketches of Frederick

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Douglas, Ulysses S. Grant, "Stonewall" Jackson, William Tecumseh Sherman, Robert E. Lee and Abraham Lincoln. Attention will be brought to the lives of everyday people consumed in the war and the enlisted men who fought. 3 semester credit hours. Typically offered: Periodically.

GBLS 2291 Special Topics in Global Studies. (Formerly 291) Explores diverse subjects and themes within Global Studies according to the interest of faculty and students. 1-6 semester credit hours. Typically offered: Periodically. *Course Repeatable. Maximum number of units allowed 12.*

GBLS 3300 Junior Seminar: Topics in Global Studies. (Formerly 300) 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. 3 semester credit hours. Typically offered: Periodically.

GBLS 3302 Theories of Global Studies. (Formerly 302) Course examines the major theoretical concepts in the field of Global Studies such as capitalism, communism, socialism, transnationalism and globalization. Students may not earn credit in both GBLS 2202 and GBLS 3302. 3 semester credit hours. Global Course. Typically offered: Spring Term.

GBLS 3395 Independent Study. (Formerly 395) Independent study of a Global Studies theme in consultation with Global Studies professors. 3 semester credit hours. Typically offered: Spring Term. *Department Consent Required.*

GBLS 4399 Senior Thesis. (Formerly 399) Senior capstone experience. Prerequisite: GBLS 1101 and GBLS 1102 or senior standing. 3 semester credit hours. Typically offered: Spring Term.

Graphic Arts and Design

GAD 2205 History of Graphic Design. (Formerly 205) This course explores the relationship between the history of graphic design, fine art and modern graphic design. The impact of political and social movements as it relates to graphic design will be of critical importance. 3 semester credit hours. Typically offered: Spring Term.

GAD 2230 Typography. (Formerly 230) This course introduces typography as a vital element of visual communications. Typographic structure, terminology, expression, and strategy will be explored from the single letterform to an entire page layout. The course uses both computer and hands on skills to address the effective use of typography. 3 semester credit hours. Typically offered: Spring Term.

GAD 2260 Graphic Design I. (Formerly 260) This course introduces students to the basic principles and elements of graphic design. Students will explore visual problem solving strategies in print media by applying fundamental principles and elements of graphic design. Industry standard graphic design software such as Adobe Illustrator and Photoshop on the Macintosh platform will be taught and practiced. 3 semester credit hours. Typically offered: Fall Term.

GAD 3360 Graphic Design II. (Formerly 360) This course is a continuation of Graphic Design I. The course provides opportunities to solve more complex visual problems by exploring design elements, principles, contents, and trends. Prerequisite: GAD 2260. 3 semester credit hours. Typically offered: Spring Term.

GAD 4297 Internship. (Formerly 297) An Internship provides valuable hands-on work experience in the Graphic Design field before graduation. Students will be given job assignments and responsibilities in the professional

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industry and apply their knowledge and skills learned from the course work. 2-6 semester credit hours. Engaged Learning. Typically offered: Fall and Spring Terms. *Department Consent Required. Course Repeatable. Maximum number of units allowed 6.*

GAD 4300 New Media and Design. (Formerly 300) This course introduces students to knowledge and practice of new media (also known as 'digital media' or 'interactive media') for effective visual communication. The course will cover basic concepts of new media and practical use of digital media technologies to interact with a wide audience via web. Prerequisite: FNAR 1105 or GAD 2260. 3 semester credit hours. Typically offered: Fall Term.

GAD 4393 Senior Portfolio. (Formerly 393) This course focuses on the developments of a student's individual portfolio. The preparation of a portfolio is an essential part of transition from a graphic design student to a qualified designer. A senior Graphic Arts major will create both a physical portfolio and a digital portfolio demonstrating his/her acquired skills and personal interests in graphic design. Prerequisite: GAD 3360. 3 semester credit hours. Typically offered: Spring Term.

Health Education and Promotion

HLED 3271 Health Education Planning. (Formerly 271) Health education for groups. Examination of topics pertaining to competencies of health educators, including health behavior change theories and cultural competence. Focus on processes of program planning for groups, including pre-planning, needs assessment, writing and evaluating goals and objectives, and development of the intervention. Introduction to the evaluation process. Students develop a theory-based educational intervention to effect change by reducing unhealthy practices in vulnerable groups. Prerequisite: WRIT 1102. 3 semester credit hours. Writing Intensive Course. Typically offered: Fall Term.

HLED 3280 Community Health and Nutrition Programs. (Formerly 280) Introduction to the role of the Public and Community Nutrition professional. Over view of health care policy, health care systems, and legislation, discussion of the legislative and regulatory basis of nutrition and dietetics practice, and advocacy. Discussion of current public health and nutrition problems, existing programs and other resources, health literacy, role of environment, and marketing for improving the health of the population, as well as application through development of an educational intervention for the community. Transportation may be required. Prerequisite: NUTR 2200, 2231 or 3241; or junior standing by credits with co-registration in NUTR 2200, 2231 or 3241, and consent. Cross-listed HLED 3280 and NUTR 2280. 3 semester credit hours. Typically offered: Fall and Spring Terms.

HLED 3357 Health Communications through Technologies. (Formerly 357) Study of communication models and strategies to inform and influence individual and community decisions that enhance health. Includes building communication framework and collaboration, and using new and emerging social and media technologies for dissemination of health information, and innovations. Prerequisite: Credit or co-registration with HLED or NUTR 3271. 3 semester credit hours. Typically offered: Fall Term, Odd Years.

HLED 3363 Management of Health Initiatives. (Formerly 363) This course addresses key concepts for effective management of health education activities. Key topics focus on the administration organizational structure and include: facilitating partnerships, coordinating logistics, training staff/volunteers, monitoring resources, assessing technology needs, building relationships with partners/stakeholders, demonstrating strategic leadership, conducting quality assurance tasks, and engaging in purposeful advocacy. Prerequisite: HLED 3271. 3 semester credit hours. Typically offered: Fall Term.

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HLED 4360 Dimensions of Wellness. (Formerly 360) This course presents the fundamentals of wellness using a seven-dimension model, including components, related elements, and measurement. Students develop wellness assessment and strategic action plan. 3 semester credit hours. Typically offered: Spring Term, Odd Years.

HLED 4366 Health Education Field Experience. (Formerly 366) Capstone experience for Health Education and Promotion Majors. Working as an individual or a small team, students take an active part in a community health education process: assessing a need, planning, implementing, and evaluating a project, serving as a health education resource for the project. Students communicate regularly with the instructor. Students will conduct a seminar or webinar detailing the project at the end of the semester. Off-campus site; transportation is required. Prerequisites: GPA of 2.800/4.000; AND Senior standing by credits earned prior to start of experience. Grade of "C" or better in the following: NUTR 2200, 231 or 3241; HLED 3271; and HLED/NUTR 3280. Credit or co-registration in HLED 3363. Must be HLEDPR major. Fee: \$27.50 3 semester credit hours. Engaged Learning. Typically offered: Summer Term. *Department Consent Required.*

HLED 4381 Behavioral and Social Aspects of Public Health. (Formerly 381) Addresses behavioral and social factors and theories related to individual and population health. Prerequisite: Senior standing by credits, HLEDPR Major, 2.800/4.000 GPA, and consent of Nutrition Department Chairperson. Note: This course is a cross-listed public health course (MPH 6001). It does not count towards science core, general education courses, nutrition major elective, or health science major credit. 3 semester credit hours. Typically offered: Fall and Summer Terms. *Department Consent Required.*

HLED 4394 Health Research Methods and Program Evaluation. This course provides an overview of scientific writing, research design and evaluation methods, assessment and evaluation instruments, data collection methods, measurement and statistical analysis. Prerequisite: "C" or better in WRIT 1102; HLED 3271; and Credit or co-registration in MATH 1150 or PSYC 2250. 3 semester credit hours. Typically offered: Spring Term, Even Years.

HLED 4399 Health Research. A supervised health research project that is conducted on or off campus. Transportation may be required. Independent Study. Prerequisite: GPA of 3.20 or higher. Grade of C or better in WRIT 1102. Grade of C or better in BIOL 2229 or PSYC 2250 or MATH/MGT 1150. Credit or co-registration in HLED 4392. Instructor consent. Fee: \$170. 1-3 semester credit hours. Typically offered: Periodically. *Department Consent Required. Course Repeatable. Maximum number of units allowed 9.*

Health Science

HLSC 2291 Medical Terminology. (Formerly 291) Introduction of medical terms for each body system and specialty medical fields. Includes word roots, prefixes and suffixes commonly encountered in the health care field. 2 semester credit hours. Typically offered: Fall, Spring and Summer Terms. *Department Consent Required. Course Repeatable. Maximum number of units allowed 99.*

HLSC 3300 Practicum Experience in Veterinary Medicine. (Formerly 300) 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: 3.400 GPA, 30 hours completed at Benedictine University. 2 semester credit hours. Engaged Learning. Typically offered: Fall, Spring and Summer Terms. *Department Consent Required.*

HLSC 3301 Practicum Experience: Medicine. (Formerly 301) 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.

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Prerequisite: Instructor Consent, 3.400 GPA, 30 hours completed at Benedictine University. 2 semester credit hours. Engaged Learning. Typically offered: Fall, Spring and Summer Terms. *Department Consent Required.*

HLSC 3302 Practicum Experience - Dentistry. (Formerly 302) 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: 3.400 GPA, 30 hours completed at Benedictine University. 2 semester credit hours. Engaged Learning. Typically offered: Fall, Spring and Summer Terms. *Department Consent Required.*

HLSC 3303 Practicum Experience - Occupational Therapy. (Formerly 303) 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 [Main Campus]: 3.400 GPA, 30 hours completed at Benedictine University. Prerequisite [Springfield Campus]: 3.200 GPA, 30 hours completed at Benedictine University. 2 semester credit hours. Engaged Learning. Typically offered: Fall, Spring and Summer Terms. *Department Consent Required.*

HLSC 3305 Practicum Experience - Podiatry. (Formerly 305) 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 [Main Campus]: 3.400 GPA, 30 hours completed at Benedictine University. Prerequisite [Springfield Campus]: 3.200 GPA, 30 hours completed at Benedictine University. 2 semester credit hours. Engaged Learning. Typically offered: Fall, Spring and Summer Terms. *Department Consent Required.*

HLSC 3307 Practicum Experience - Physical Therapy. (Formerly 307) 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 [Main Campus]: 3.400 GPA, 30 hours completed at Benedictine University. Prerequisite [Springfield Campus]: 3.200 GPA, 30 hours completed at Benedictine University. 2 semester credit hours. Engaged Learning. Typically offered: Fall, Spring and Summer Terms. *Department Consent Required.*

HLSC 3309 Practicum Experience - Optometry. (Formerly 309) 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 [Main Campus] 3.400 GPA, 30 hours completed at Benedictine University. Prerequisite [Springfield Campus]: 3.200 GPA, 30 hours completed at Benedictine University. 2 semester credit hours. Engaged Learning. Typically offered: Fall, Spring and Summer Terms. *Department Consent Required.*

HLSC 3310 Practicum Experience - Chiropractic. (Formerly 310) 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 [Main Campus]: 3.400 GPA, 30 hours completed at Benedictine University. Prerequisite [Springfield Campus]: 3.200 GPA, 30 hours completed at Benedictine University. 2 semester credit hours. Engaged Learning. Typically offered: Fall, Spring and Summer Terms. *Department Consent Required.*

History

HIST 1111 American History to 1865. (Formerly 111/201) Covers the Colonial era, the revolutionary age, internal growth of the Republic, and causes of the Civil War. 3 semester credit hours. Historical MOI. Typically offered: Fall Term.

HIST 1112 American History since 1865. (Formerly 112/202) Covers the industrialization of America; the organization of labor; the development of imperialism; the growth of foreign policy. 3 semester credit hours. Historical MOI. Typically offered: Spring Term.

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HIST 1141 World History to 1600. (Formerly 141) This course surveys the history of the world from prehistoric “cavemen” to Columbus and the conquest of the Americas. Our navigation of this vast terrain will be guided by questions about the processes that play out over very long periods of time—the domestication of plants and animals, the growth of commercial economies and long-distance trade networks, the discovery of incendiary powder and the development of guns, the accumulation of scientific and historical knowledge and its transformation from lore, or data, into disciplines like astronomy and history—things that take more than a person's lifetime to happen. 3 semester credit hours. Historical MOI. Typically offered: Fall Term.

HIST 1180 Survey of East Asia: Ancient to 1600. (Formerly 180) An integrated survey of the development and interaction of the centers of civilization throughout East Asian world to 1600. 3 semester credit hours. Historical MOI. Typically offered: Periodically.

HIST 1191 Topics. (Formerly 191) Selected topic at the introductory level that focuses on the history of an event, trend, people or institution. 3 semester credit hours. Historical MOI. Typically offered: Periodically. *Course Repeatable. Maximum number of units allowed 12.*

HIST 2203 Historiography. (Formerly 203) Introduction to the methodology and practice of history and to some of the great historians. Includes an emphasis on world history. Prerequisite: HIST 1111, HIST 1112. Students may not earn credit in both HIST 2203 and HIST 3303. 3 semester credit hours. Writing Intensive Course. Typically offered: Fall Term.

HIST 2213 Contemporary Latin America, 1898-2000. (Formerly 213/313) 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. Students may not earn credit in both HIST 2213 and HIST 3313. 3 semester credit hours. Global, Sustainability & QHT. Typically offered: Spring Term, Odd Years.

HIST 2214 The African Diaspora in Latin America, 1492-1899. (Formerly 214) 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 descendants in conflict and in concert with Native Americans, Europeans and Asians have created new cultures, religions and societies in the Americas. Students may not earn credit in both HIST 2214 and HIST 3314. 3 semester credit hours. Global and QHT. Typically offered: Fall Term, Odd Years.

HIST 2215 The African Diaspora in Latin America, 1899-2000. (Formerly 215) An interdisciplinary course that explores the experiences of people of African descent in Latin America focusing on the fight for independence of Latin American and the continuing struggle for economic and social equality in contemporary Latin America. Students may not earn credit in both HIST 2215 and HIST 3315. 3 semester credit hours. Global, Sustainability & QHT. Typically offered: Spring Term, Even Years.

HIST 2220 The Mediterranean World. (Formerly 220) 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 credit hours. Historical MOI. Typically offered: Fall and Spring Terms.

HIST 2230 The Baptism of Europe. (Formerly 230) 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). 3 semester credit hours. Typically offered: Periodically.

HIST 2240 Converging Hemispheres. (Formerly 240) 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 credit hours. Typically offered: Fall Term, Even Years.

HIST 2251 The French Revolution in the Wider World. (Formerly 251/351) 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. Cross-listed with HIST 3351. 3 semester credit hours. Global Course. Typically offered: Periodically.

HIST 2252 19th-Century Europe. (Formerly 252) Covers the political, military, economic, social, and cultural development of Europe from the French Revolution to 1900. 3 semester credit hours. Historical MOI. Typically offered: Spring Term, Even Years.

HIST 2253 20th-Century Europe, 1900 - Present. (Formerly 253) Covers the political, military, economic, social, and cultural development of Europe, including the Soviet Union, from 1900 to the present. Students may not earn credit in both HIST 2253 and HIST 3353. 3 semester credit hours. Historical MOI. Typically offered: Spring Term, Odd Years.

HIST 2255 Modern Russia. (Formerly 255) 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. Students may not earn credit in both HIST 2255 and HIST 3355. 3 semester credit hours. Typically offered: Fall Term, Odd Years.

HIST 2256 World War II: A Global History. (Formerly 256) Examines the political, economic and cultural origins of the Second World War, in Europe, Asia, Africa and the Far East 2 semester credit hours. Typically offered: Periodically.

HIST 2257 20th-Century Social and Political Movements in a Global Context. (Formerly 257/357) 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. Students may not earn credit in both HIST 2257 and HIST 3357. 3 semester credit hours. Global Course. Typically offered: Spring Term, Even Years.

HIST 2259 Contemporary World. (Formerly 259) Examines expressions of the human condition by analyzing fundamental forces shaping and defining the contemporary era, with an emphasis on social and political conflict, economic equity and expansion, and scientific and technological development. 3 semester credit hours. Writing Intensive Course. Typically offered: Fall Term, Odd Years.

HIST 2260 Women in American Society. (Formerly 260) 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. Students may not earn credit in both HIST 2257 and HIST 3360. 3 semester credit hours. Historical MOI. Typically offered: Periodically.

HIST 2265 African-American History. (Formerly 265) 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. Students may not earn credit in both HIST 2265 and HIST 3365. 3 semester credit hours. Historical MOI. Typically offered: Fall Term.

HIST 2267 Diplomatic History of U.S. in a Global Context. (Formerly 267) Examines the diplomatic situation around the world, with special attention to the changes to U.S. foreign policy during the Cold War, and the aftermath of 9/11. The course places U.S. foreign policy in a global context, recognizing various political states as being autonomous and interconnected while having their own unique interests. 3 semester credit hours. Typically offered: Spring Term, Odd Years.

HIST 2268 Colonial America to 1763. (Formerly 268) 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. Students may not earn credit in both HIST 2268 and HIST 3368. 3 semester credit hours. Historical MOI. Typically offered: Spring Term, Even Years.

HIST 2271 Modern Middle East. (Formerly 271) The Middle East and South Asia from the beginning of the modern period until the present, with special attention given to the contemporary Middle East. The rise of centralized, bureaucratic empires in the Middle East will be examined and followed as they adapt to political, social, and economic pressures. The changes that occurred due to conquest by European colonial empires, industrialization, and the transformation or division of former Islamic empires into independent nation states will be examined. Finally, we investigate the politics and society of the contemporary Middle East. Considerable attention is given to the arts and culture throughout the course. Students may not earn credit in both HIST 2271 and HIST 3371. 3 semester credit hours. Writing Intensive, QHT. Typically offered: Periodically.

HIST 2272 Early Middle East 300-1100. (Formerly 272) 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 11th century and continued in Syria/Palestine through the 13th century. Students may not earn credit in both HIST 2272 and HIST 3372. 3 semester credit hours. Writing Intensive, QHT. Typically offered: Spring Term, Odd Years.

HIST 2273 Classical Islamic Civilization, 1000-1700. (Formerly 273) A survey of the history of the Islamic world, including North Africa and Spain, the Middle East, South Asia, and Central Asia. This course investigates Islamic culture and the arts, including literature, painting, architecture, and the human and physical sciences, during the period of their fullest development. Though the Islamic world was no longer united, the Muslim community developed an international, cosmopolitan culture that spanned most of the eastern hemisphere during this period. This "middle" period saw the Islamic world roughly double in size, and adapt and re-shape its political order, culminating in the "gunpowder empires" of the 16th-18th centuries. Recommended to take after

HIST 2272. Students may not earn credit in both HIST 2273 and HIST 3373. 3 semester credit hours. Writing Intensive, QHT. Typically offered: Fall Term, Odd Years.

HIST 2275 Ancient China. (Formerly 275) Introduction to the ancient history of China, in a global context, with special attention to Chinese discoveries, technology, warfare, philosophy, and traditions. 3 semester credit hours. Typically offered: Periodically.

HIST 2281 Survey of East Asia 1600-Present. (Formerly 281) An introductory survey of the modern history of East Asia, examining the efforts of traditional states, particularly China and Japan, to respond to Western intrusion into the region after 1600. Focus on social and cultural problems created by attempts to modernize yet defend tradition and on the differing results of Chinese and Japanese approaches. 3 semester credit hours. Global Course. Typically offered: Periodically.

HIST 2282 Modern China. (Formerly 282) This course explores the transformation of China from the Qing Dynasty when the nation achieved its modern borders into today's global power by examining the changes wrought by external and internal forces during the tumultuous 19th and 20th centuries to its contemporary problems and successes in the 21st century. 3 semester credit hours. Global Course. Typically offered: Periodically.

HIST 2291 Topics. (Formerly 291) A study of various persons, events, trends, and institutions in European, American or non-Western History. 1-6 semester credit hours. Writing Intensive, QHT. Typically offered: Periodically. *Course Repeatable. Maximum number of units allowed 12.*

HIST 3266 Vietnam at War. (Formerly 266) 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 credit hours. Typically offered: Odd Years.

HIST 3303 Historiography. (Formerly 303) Introduction to the methodology and practice of history and to some of the great historians. Includes an emphasis on world history. Prerequisite: HIST 1111, HIST 1112. Students may not earn credit in both HIST 2203 and HIST 3303. 3 semester credit hours. Writing Intensive Course. Typically offered: Fall Term.

HIST 3313 Contemporary Latin America, 1898-2000. (Formerly 313) 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. Students may not earn credit in both HIST 2213 and HIST 3313. 3 semester credit hours. Global and Sustainability. Typically offered: Odd Years.

HIST 3314 The African Diaspora in Latin America, 1492-1899. (Formerly 314) 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 descendants in conflict and in concert with Native Americans, Europeans and Asians have created new cultures, religions and societies in the Americas. Students may not earn credit in both HIST 2214 and HIST 3314. 3 semester credit hours. Global Course. Typically offered: Fall Term, Odd Years.

HIST 3315 The African Diaspora in Latin America, 1899-2000. (Formerly 315) An interdisciplinary course that explores the experiences of people of African descent in Latin America focusing 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. Students may not earn credit in both HIST 2215 and HIST 3315. 3 semester credit hours. Global Studies Core Elective. Typically offered: Spring Term, Even Years.

HIST 3351 The French Revolution in the Wider World. (Formerly 351) 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. Cross-listed with HIST 2251. 3 semester credit hours. Global Course. Typically offered: Periodically.

HIST 3353 20th-Century Europe, 1900 - Present. (Formerly 353) 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. Students may not earn credit in both HIST 2253 and HIST 3353. 3 semester credit hours. Typically offered: Spring Term, Odd Years.

HIST 3355 Modern Russia. (Formerly 355) 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. Students may not earn credit in both HIST 2255 and HIST 3355. 3 semester credit hours. Typically offered: Fall Term, Odd Years.

HIST 3357 20th-Century Social and Political Movements in a Global Context. (Formerly 257/357) 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. Students may not earn credit in both HIST 2257 and HIST 3357. 3 semester credit hours. Global Course. Typically offered: Spring Term, Even Years.

HIST 3360 Women in American Society. (Formerly 360) 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. Students may not earn credit in both HIST 2260 and HIST 3360. 3 semester credit hours. Typically offered: Fall Term, Odd Years.

HIST 3365 African-American History. (Formerly 365) 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. Students may not earn credit in both HIST 2265 and HIST 3365. 3 semester credit hours. Typically offered: Fall Term.

HIST 3368 Colonial America to 1789. (Formerly 368) 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. Students may not earn credit in both HIST 2268 and HIST 3368. 3 semester credit hours. Typically offered: Spring Term, Odd Years.

HIST 3371 Modern Middle East. (Formerly 371) The Middle East and South Asia from the beginning of the modern period until the present, with special attention given to the contemporary Middle East. Students may

not earn credit in both HIST 2271 and HIST 3371. 3 semester credit hours. Writing Intensive Course. Typically offered: Periodically.

HIST 3372 Early Middle East 300-1100. (Formerly 372) 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 11th century and continued in Syria/Palestine through the 13th century. Students may not earn credit in both HIST 2272 and HIST 3372. 3 semester credit hours. Writing Intensive Course. Typically offered: Spring Term, Odd Years.

HIST 3373 Empires and Cultures of Islamic World. (Formerly 373) 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). Students may not earn credit in both HIST 2273 and HIST 3373. 3 semester credit hours. Writing Intensive Course. Typically offered: Fall Term, Odd Years.

HIST 3391 Topics. (Formerly 391) 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 credit hours. Typically offered: Periodically. *Department Consent Required. Course Repeatable. Maximum number of units allowed 12.*

HIST 3395 Independent Study. (Formerly 395) Designed to encourage the superior student to study in-depth and to research an area beyond the undergraduate course offerings. Prerequisite: Social Science or History major. 1-3 semester credit hours. Typically offered: Periodically. *Department Consent Required. Course Repeatable. Maximum number of units allowed 15.*

HIST 3397 Internship. (Formerly 397) Practical experiences in a related career field under the supervision of the History Department. Prerequisite: 3.00 GPA or better, Social Science or History major. 3 semester credit hours. Engaged Learning. *Department Consent Required.*

HIST 4399 Senior Thesis. (Formerly 399) Senior capstone experience. Prerequisite: GBLS 1101 and GBLS 1102 or senior standing. 3 semester credit hours. Writing Intensive Course. Typically offered: Spring Term.

HIST 4451 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 credit hours. Typically offered: Periodically.

HIST 4491 Topics - Advanced. Investigation of historical subjects offered at the advanced level according to the interest of faculty and students. Pre-Req for HIST 4491: Social Science or History Major. 3 semester credit hours. Writing Intensive Course. Typically offered: Periodically. *Course Repeatable. Maximum number of units allowed 12.*

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Honors

HNRS 1190 First-Year Colloquium I. (Formerly 190) Students develop oral and written communication, research, and leadership skills and engage in service-learning and the study of world classics and/or other culturally significant texts. Grade of "C" or better meets WRIT 1101 or WRIT 1104 Basic Skills requirement. 3 semester credit hours. Typically offered: Fall Term. *Department Consent Required.*

HNRS 1191 First-Year Colloquium II. (Formerly 191) Students develop oral and written communication, research, and leadership skills and engage in the study of world classics and/or other culturally significant texts. Grade of "C" or better meets WRIT 1102 and COMM 1110 Basic Skills requirements. 3 semester credit hours. Sustainability. Typically offered: Spring Term. *Department Consent Required.*

HNRS 2195 Leadership. (Formerly 195) Introduces leadership and organizational theory within the context of leadership and helps students understand the role of leaders, the associated impact of leaders on organizational performance, and themselves as leaders. Specific topics include motivation, group dynamics, power, status, conflict, and leadership in a global context. 3 semester credit hours. Typically offered: Fall Term. *Department Consent Required.*

HNRS 2294 Creativity, Art & Culture. (Formerly 294) 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. 3 semester credit hours. Artistic/Creative MOI. Typically offered: Spring Term. *Department Consent Required.*

HNRS 2393 Global Interdependence. (Formerly 393) Upper-level study of political themes, with special attention to the 20th century. 3 semester credit hours. Global and QHT. Typically offered: Spring Term. *Department Consent Required.*

HNRS 3291 Electronic Portfolio Workshop. (Formerly 291) A workshop course designed to enable students to begin to compile the electronic portfolio that is the capstone project of the Scholars Program and required for graduation as a Benedictine University Scholar. Includes training in the use of the Desire2Learn platform and the study of texts that provide excellent models for the academic intellectual autobiography. 3 semester credit hours. Typically offered: Fall Term. *Department Consent Required.*

HNRS 3301 Human Dignity or the Common Good. (Formerly 301) Interdisciplinary seminar focused on issues of social responsibility, stewardship of self and environment, civic engagement, and personal and intellectual development. Counts as IDS 3301. 3 semester credit hours. Engaged Learning. Typically offered: Fall Term. *Department Consent Required.*

HNRS 3395 Independent Study. (Formerly 395) 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. 1-3 semester credit hours. *Department Consent Required. Course Repeatable. Maximum number of units allowed 12.*

Humanities

HUMN 1100 Critical Reasoning. (Formerly 100) 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 credit hour. *Department Consent Required.*

HUMN 2250 The Contemporary World. (Formerly 250) 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 credit hours.

HUMN 2291 Topics in Humanities. (Formerly 291) 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 credit hours.

Inquiry

INQ 1111 Interfaith Oral History Archives. (Formerly 111) Students working in the library's Interfaith Oral History Project will document the history, experiences, and traditions of individuals from various religious and cultural groups on campus and in the community by collecting and transcribing oral histories. Students will learn how to research and develop interview questions and establish rapport and dialog with a diverse range of people as well as technical skills for recording, transcribing, and digitally publishing the histories. In addition to developing communication and research skills, students will be assisting in publishing the oral histories they collect to an online repository, and their contributions will become part of ongoing pool of primary source material for future interfaith education and research. Course requirements include: orientation and training; periodic progress check sessions; working in teams to collect and transcribe four oral histories per student (including recording their own); publishing the histories collected; final group reflection session; writing a final reflection paper. Interfaith Concentration AND Interfaith Learning Community. Typically offered: Fall and Spring Terms. *Department Consent Required.*

INQ 1116 Engaged Learning Experience in Biology. (Formerly 116) Opportunity for motivated students to work on a continuing or delineated project with a faculty member. Students will develop practical skills rooted in basic biology knowledge. Prerequisite: "C" or better in BIOL 1197 or 2297. Cross listed as INQ/BIOL 1116. Engaged Learning. Typically offered: Fall, Spring and Summer Terms. *Course Repeatable. Maximum number of units allowed 0.*

INQ 1198 Intercultural Engagement. (Formerly 198) International and U.S. students participate together in activities, events, discussion, and reflection with the aim of building community and gaining greater insight into different cultures, worldviews, social experiences, religions, values, and languages. Typically offered: Fall Term.

INQ 1199 Intercultural Engagement II. (Formerly 199) Restricted to students living in the Intercultural House. Involves intercultural communication and interaction within groups representing diverse ethnic heritages, worldviews, faiths, languages, and historical environmental influences, as well as experiential learning involving diversity and multiculturalism in local and global communities. Required activities may include field trips, film

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screenings, workshops, presentations, and blogging. (Intercultural House Learning Community) Spring term. Typically offered: Spring Term, Odd Years.

INQ 2210 ICWSP Internship Program. (Formerly 210) This course is an independent study that accompanies internships. The initial course offering is supported by the Illinois Cooperative Work Study Program (ICWSP) grant. The objectives of the internships are to provide 1) work opportunities linked to a student's academic program and 2) to encourage social and community service. Students will work closely with their internship site supervisor and submit reflections of their experience. Engaged Learning. Typically offered: Fall, Spring and Summer Terms. *Department Consent Required. Course Repeatable. Maximum number of units allowed 0.*

INQ 2289 Inequities in Healthcare Provision and Access. (Formerly 289) Research project. 1-3 semester credit hours. Engaged Learning. Typically offered: Fall, Spring and Summer Terms. *Department Consent Required. Course Repeatable. Maximum number of units allowed 12.*

INQ 2298 Intercultural Engagement Workshop 1: Intercultural House Learning Community. (Formerly 298) Restricted to students living in the Intercultural House. Involves intercultural communication and interaction within groups representing diverse ethnic heritages, worldviews, faiths, languages, and historical environmental influences, as well as experiential learning involving diversity and multiculturalism in local and global communities. Required activities may include field trips, film screenings, workshops, presentations, and blogging. Prerequisite: Intercultural House 1 semester credit hour. Global Course. Typically offered: Fall Term.

INQ 2299 Intercultural Engagement Workshop 2. (Formerly 299) Restricted to students living in the Intercultural House. Involves intercultural communication and interaction within groups representing diverse ethnic heritages, worldviews, faiths, languages, and historical environmental influences, as well as experiential learning involving diversity and multiculturalism in local and global communities. Required activities may include field trips, film screenings, workshops, presentations, and blogging. Prerequisite: Intercultural House 1 semester credit hour. Typically offered: Spring Term.

Interdisciplinary Seminar

IDS 1100 Bridge to Success. (Formerly 100) This IDS 1100 class will be interdisciplinary in nature, exploring several of the themes that are inherent in a course designed within the traditional meaning of a liberal arts education. Focus on the values of the Benedictine mission and tradition, including love of Christ and neighbor, stewardship of the planet, hospitality, and stability will pervade the curriculum and serve as a robust introduction to your life as a student within our special community. 3 semester credit hours. Typically offered: Summer Term.

IDS 2201 Catholic/Benedictine Traditions. (Formerly 201) Interdisciplinary seminar focused on various religious and philosophical traditions, including one or more Catholic or Benedictine hallmark(s). Students with 30 or more credit hours earned. 3 semester credit hours. Writing Intensive Course. Typically offered: Fall and Spring Terms.

IDS 2202 Catholic/Benedictine Intellectual Traditions: Sustainability/Stewardship. (Formerly 202) Interdisciplinary seminar focused on various religious and philosophical traditions, including one or more Catholic or Benedictine hallmark(s). Students with 30 or more credit hours earned. 3 semester credit hours. Writing Intensive & Sustainability. Typically offered: Fall and Spring Terms.

IDS 2203 Catholic/Benedictine Intellectual Traditions: Global. (Formerly 203) Interdisciplinary seminar focused on various religious and philosophical traditions, including one or more Catholic or Benedictine hallmark(s).

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Students with 30 or more credit hours earned. 3 semester credit hours. Writing Intensive & Global. Typically offered: Fall and Spring Terms.

IDS 2204 Catholic/Benedictine Intellectual Traditions: Sustainability/Stewardship and Global. (Formerly 204) Interdisciplinary seminar focused on various religious and philosophical traditions, including one or more Catholic or Benedictine hallmark(s). Students with 30 or more credit hours earned. 3 semester credit hours. Writ Int, Global, Sustain. Typically offered: Fall and Spring Terms.

IDS 3301 Human Dignity/Common Good. (Formerly 301) Interdisciplinary seminar focused on issues of social responsibility, stewardship of self and environment, civic engagement, and personal and intellectual development. Students with 60 or more credit hours earned. 3 semester credit hours. Typically offered: Spring Term.

IDS 3302 Human Dignity/Common Good: Sustainability/Stewardship. (Formerly 302) Interdisciplinary seminar focused on issues of social responsibility, stewardship of self and environment, civic engagement, and personal and intellectual development. Students with 60 or more credit hours earned. 3 semester credit hours. Sustainability. Typically offered: Fall and Spring Terms.

IDS 3303 Human Dignity/Common Good: Global. (Formerly 303) Interdisciplinary seminar focused on issues of social responsibility, stewardship of self and environment, civic engagement, and personal and intellectual development. Students with 60 or more credit hours earned. 3 semester credit hours. Global Course. Typically offered: Fall and Spring Terms.

IDS 3304 Human Dignity/Common Good: Sustainability/Stewardship and Global. (Formerly 304) Interdisciplinary seminar focused on issues of social responsibility, stewardship of self and environment, civic engagement, and personal and intellectual development. Students with 60 or more credit hours earned. 3 semester credit hours. Global and Sustainability. Typically offered: Fall and Spring Terms.

International Business

INTB 1101 The Global Economy. (Formerly 101) This 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 credit hours. Global and QPE. Typically offered: Fall, Spring and Summer Terms.

INTB 2292 Business Anthropology: Culture and International Business. (Formerly 292) 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 credit hours.

INTB 3291 Topics. (Formerly 291) This course examines such topics as globalization, international trade and investment, offshoring of production, and the impact of international business on culture. 3 semester credit hours. Typically offered: Periodically. *Course Repeatable. Maximum number of units allowed 15.*

INTB 3297 Institute Project. (Formerly 397) An internship with a company, not-for-profit organization, or government agency in an international business capacity. This may involve companies in the United States or abroad. Students that complete internships in the United States must arrange an internship that involves some

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aspects of international operations. 2-6 semester credit hours. Engaged Learning. *Department Consent Required.*

INTB 3300 Introduction to International Business. (Formerly 300) 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. 3 semester credit hours. Global Course. Typically offered: Fall Term.

INTB 3302 International Management. (Formerly 302) 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. 3 semester credit hours. Global Course. Typically offered: Spring Term.

INTB 3320 Area Studies. (Formerly 320) Cultural, economic and business conditions of different world regions. 3 semester credit hours. Global and Engaged Learning. Typically offered: Periodically. *Department Consent Required.*

INTB 3330 Global Human Resource Management. (Formerly 330) 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. 3 semester credit hours. Typically offered: Periodically.

INTB 3340 Global Logistics. (Formerly 340) 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. 3 semester credit hours. Typically offered: Spring Term.

INTB 3360 International Trade and Finance. (Formerly 360) Trade theory, trade barriers, balance of payments, exchange rates, open-economy macroeconomics. Prerequisite: ECON 2101 and ECON 4310. 3 semester credit hours.

INTB 4350 International Marketing. (Formerly 350) Studies strategic issues in marketing products and services across national borders. Examines cultural, legal, ethical, and economic constraints. Prerequisite: INTB 3300 or MKTG 2300. Cross-listed as MKTG 4350/INTB 4350. 3 semester credit hours. Global Course. Typically offered: Fall Term.

INTB 4371 International Negotiations. (Formerly 371) 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. 3 semester credit hours. Typically offered: Periodically.

INTB 4375 Global Interdependence. (Formerly 375) Politics of international economics and economic determinants of international politics in a globally interdependent world. 3 semester credit hours. Global Course. Typically offered: Periodically.

INTB 4380 Global Strategic Management. (Formerly 380) This course, as the capstone to the International Business and Economics major, should come after students have studied all basic aspects of international

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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. 3 semester credit hours. Writing Intensive Course. *Department Consent Required.*

INTB 4391 Topics. (Formerly 391) This course examines such topics as globalization, international trade and investment, offshoring of production, and the impact of international business on culture. 3 semester credit hours. Typically offered: Periodically. *Course Repeatable. Maximum number of units allowed 15.*

INTB 4395 Independent Study. (Formerly 395) Directed readings, independent research, or student projects on areas of individual academic interest; topics, meeting times, and outcomes arranged with instructor. 1-3 semester credit hours. *Department Consent Required. Course Repeatable. Maximum number of units allowed 15.*

International Student Orientation Undergraduate

ISOU 1100 International Student Orientation Undergraduate. (Formerly 100) ISO provides an introduction to student life, resources, and immigration rules and regulations to all incoming international students/scholars with F-1 and J-1 visas. This course is designed to help new international students/scholars learn about the Student and Exchange Visitor Program (SEVIS), to understand how to maintain status and the required government reporting process, and help new students to adjust at BENU. Visa regulation orientation is required for visa holders. Typically offered: Fall, Spring and Summer Terms.

Learning Community

LCOM 1100 Critical Reasoning. (Formerly 100) 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 credit hour. Typically offered: Fall Term. *Department Consent Required.*

LCOM 1101 LC Catholic/Benedictine Traditions. (Formerly 101) Learning Community. Typically offered: Fall and Spring Terms. *Course Repeatable. Maximum number of units allowed 1.*

LCOM 1102 Learning Community: Catholic/Benedictine Traditions: Sustainable. (Formerly 102) Learning Community. Typically offered: Fall and Spring Terms.

LCOM 1103 LC: Catholic/Benedictine Traditions: Gl. (Formerly 103) Learning Community: Catholic/Benedictine Traditions: Global. Prerequisite: Linked with another course. Learning Community. Typically offered: Fall and Spring Terms. *Course Repeatable. Maximum number of units allowed 4.*

LCOM 1104 Learning Community: Catholic/Benedictine Traditions: Sustainable & Global. (Formerly 104) Learning Community: Catholic/Benedictine Traditions: Sustainable & Global. Learning Community. Typically offered: Fall and Spring Terms. *Course Repeatable. Maximum number of units allowed 4.*

LCOM 1105 Benedictine First-year learning experience. (Formerly 105) Includes orientation session, common meetings, co-curricular activities, and meetings with full-time faculty. All traditional first-year students who are

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not enrolled in WRIT 1101 or HNRS 1190 will need to take LCOM 1105: Person in Community. Learning Community. Typically offered: Fall Term.

LCOM 1106 Leveraging Yourself for the Workforce. (Formerly 106) Leveraging Yourself for the Workforce will start preparing students for the workforce. Students will write resumes, personal statements, and deliver elevator pitches around their personal brand to leverage their strengths in the workforce. Additionally, students will be building an e-Portfolio throughout the course and will reflect upon their life goals while building the skills that employers expect today. 1 semester credit hour. Learning Community. Typically offered: Periodically.

LCOM 1112 Catholic-Muslim Dialogue. (Formerly 112) Catholic-Muslim Dialogue. Learning Community. Typically offered: Fall, Spring and Summer Terms. *Department Consent Required.*

LCOM 1113 Bolivia Immersion Trip. (Formerly 113) Bolivia Immersion Trip. Learning Community. Typically offered: Spring Term. *Department Consent Required.*

LCOM 1114 Catholic Life Learning Community. With a variety of instructors from BenU and the Diocese of Joliet, this Learning Community will give students the chance to gain knowledge, explore their spirituality, and walk confidently into adult Catholic life. 1 semester credit hour. Typically offered: Fall and Spring Terms.

LCOM 1115 LC: Vocational Exploration and Planning your Future. (Formerly 115) The Career Exploration and Planning Course is designed to help students who are undecided about their major and career path deepen their understanding of self—with regard to their passions, interests, personality, strengths and values and how these relate to career options. This course will assist students in the process of choosing a college major, exploring potential career paths that are meaningful, making decisions and crafting goals that will lead to their desired career. Much of this course centers on self-discovery and identifying a vocation that will lead to a meaningful life. 1 semester credit hour. Learning Community. Typically offered: Fall Term.

LCOM 1116 Serving Together Engaging our Purpose: Philippines. (Formerly 116) Serving Together Engaging our Purpose: Philippines. Prerequisite: Must apply through Campus Ministry. Learning Community. Typically offered: Fall Term. *Course Repeatable. Maximum number of units allowed 0.*

LCOM 1117 Catholic Relief Services Ambassadors Program. (Formerly 117) Catholic Relief Services Ambassadors Program must apply through Campus Ministry. Learning Community. Typically offered: Fall and Spring Terms. *Course Repeatable. Maximum number of units allowed 0.*

LCOM 1118 Center for Student Mission Service Trip. (Formerly 118) Alternative Spring Break Service Trip. Typically offered: Spring Term.

LCOM 1140 Learning Community Catholic Studies. (Formerly 140) Learning Community. Typically offered: Fall and Spring Terms. *Course Repeatable. Maximum number of units allowed 1.*

LCOM 1141 Learning Community: Concert Band. (Formerly 141) Learning Community: Concert Band. Prerequisite: Co-enrollment with MUSI 1121. Learning Community. Typically offered: Fall and Spring Terms.

LCOM 1142 Learning Community: Concert Choir. (Formerly 142) Learning Community: Concert Choir. Prerequisite: Co-enrollment with MUSI 1122. Learning Community. Typically offered: Fall and Spring Terms.

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LCOM 1143 Learning Community: University Chorale: Popular and Traditional Choir Literature. (Formerly 143) Learning Community: University Chorale: Popular and Traditional Choir Literature. Prerequisite: Co-enrollment with MUSI 1123. Learning Community. Typically offered: Fall and Spring Terms.

LCOM 1144 WRIT 101 Learning Community. (Formerly 144) Learning Community with WRIT 1101 that has co-enrollment with connected course depending on semester and section. Learning Community. Typically offered: Fall Term.

LCOM 1145 Learning Community: Dorothy Day. (Formerly 145) Learning Community. Typically offered: Spring Term. *Course Repeatable. Maximum number of units allowed 1.*

LCOM 1146 Learning Community. (Formerly 146) Learning Community. Typically offered: Spring Term.

LCOM 1147 Learning Community: Medical Humanities Senior Project. (Formerly 147) Learning Community. Typically offered: Spring Term. *Course Repeatable. Maximum number of units allowed 4.*

LCOM 1148 Learning Community: Jazz Ensemble. (Formerly 148) Learning Community: Jazz Ensemble. Prerequisite: Co-enrollment with linked MUSI 1128. Learning Community. Typically offered: Fall and Spring Terms.

LCOM 1149 Learning Community: Chamber Orchestra. (Formerly 149) Learning Community: Chamber Orchestra. Prerequisite: Co-enrollment with MUSI 1129. Learning Community. Typically offered: Fall and Spring Terms.

LCOM 1151 Learning Community: Transfer Biostatistics and Lab. (Formerly 151) Learning Community: BIOL 2229 Biostatistics & BIOL 2299 Quantitative Biology Lab for Transfer Students. Co-enrollment with specific BIOL sections. Learning Community. Typically offered: Fall and Spring Terms.

LCOM 1152 Learning Community: Writing Chemistry. (Formerly 152) Learning Community. Typically offered: Spring Term.

LCOM 1153 Getting to Know Science and Benedictine. (Formerly 153) Co-enroll in specific sections of CHEM 1108 and BIOL 1197 for an introduction to chemical and biological sciences at Benedictine. Learn study strategies for improving your time management, note taking, and exam studying. Get to know the Benedictine community by participating in campus resources for academic and personal support, and by attending Benedictine events or clubs. End the semester by writing a short paper reflecting on learning from your first semester to build towards future success. Learning Community. Typically offered: Fall Term.

LCOM 1154 Learning Community: LC Math 2210. (Formerly 154) Co-enrollment for lab portion of existing course. Co-registration in Math 2210 required. Learning Community. Typically offered: Fall and Spring Terms. *Course Repeatable. Maximum number of units allowed 0.*

LCOM 1155 Learning Community: Math 170. (Formerly 155) Co-enrollment for lab portion of existing course. Co-registration required in Math 1170. Learning Community. Typically offered: Fall Term. *Course Repeatable. Maximum number of units allowed 0.*

LCOM 1156 Learning Community: Math Games Seminar. (Formerly 156) Analyze and study strategies for math games. Learning Community. Typically offered: Fall and Spring Terms.

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LCOM 1175 Preclinical Experience Level 1. (Formerly 175) This preclinical experience introduces the candidate to K-12 education through active observation and analysis of the learning environment, instructional planning, and student learning. Candidates are expected to exhibit professionalism throughout all components of the experience. Experience includes directed activities in off-campus school settings and on-campus seminars. Personal transportation is required. 1 semester credit hour. Learning Community. Typically offered: Fall and Spring Terms. *Course Repeatable. Maximum number of units allowed 1.*

LCOM 1180 Learning Community: MGT 380. (Formerly 180) Co-enrollment for MGT 4380. Learning Community. Typically offered: Fall and Spring Terms.

LCOM 2201 Learning Community: Human Dignity/Common Good. (Formerly 201) Learning Community. Typically offered: Fall and Spring Terms. *Course Repeatable. Maximum number of units allowed 4.*

LCOM 2202 LC: Human Dignity/Common Good: SU. Learning Community: Human Dignity/Common Good: Sustainable. (Formerly 202) Learning Community: Human Dignity/Common Good: Sustainable. Prerequisite: Co-enrollment with linked course. Learning Community. Typically offered: Fall and Spring Terms. *Course Repeatable. Maximum number of units allowed 4.*

LCOM 2203 Learning Community: Human Dignity/Common Good: Global. (Formerly 203) Learning Community: Human Dignity/Common Good: Global. Co-requisite: Co-enrollment with linked course. Learning Community. Typically offered: Fall and Spring Terms.

LCOM 2204 Learning Community: Human Dignity/Common Good: Sustainable, Global. (Formerly 204) Learning Community: Human Dignity/Common Good: Sustainable, Global. Co-requisite: Co-enrollment with linked course. Learning Community. Typically offered: Fall and Spring Terms. *Course Repeatable. Maximum number of units allowed 4.*

LCOM 2205 Emerging Scholars. (Formerly 205) Emerging Scholars with Writ 1101 which requires co-enrollment with connected course depending on semester and section. Typically offered: Fall Term.

LCOM 2210 Learning Community: "Houses to Home" Service Learning Experience. (Formerly 210) Learning Community. Typically offered: Spring Term.

LCOM 2215 Learning Community for RAs. (Formerly 215) Learning Community for RAs. Learning Community. Typically offered: Fall and Spring Terms. *Department Consent Required. Course Repeatable. Maximum number of units allowed 0.*

LCOM 2241 Learning Community: Environment & Community Development in Costa Rica. (Formerly 241) Learning Community. Typically offered: Spring Term. *Course Repeatable. Maximum number of units allowed 1.*

LCOM 2245 Learning Community Model United Nations. (Formerly 245) Learning Community. Typically offered: Spring Term.

LCOM 2250 LC: Jurica Scholars. (Formerly 250) Cohort-based learning community associated with the BIOL 2297 lecture and lab courses. Learning Community. Typically offered: Spring Term.

LCOM 2251 Learning Assistant Pedagogy Seminar. (Formerly 251) Learning Assistant Pedagogy Seminar. Learning Community. Typically offered: Fall and Spring Terms.

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LCOM 2255 Humans and the Environment. (Formerly 255) LCOM 2255 is a learning community (LC) for students taking BIOL 2205 (Environmental Science) at the same time as BIOL 394 (Nature Writing). LCs are intentionally designed structures that encourage students to integrate what they are learning in their various studies, disciplines, or experiences, and also to connect to each other through ongoing social and project-based interaction. Typically offered: Periodically. *Course Repeatable. Maximum number of units allowed 0.*

LCOM 2261 Arthur J. Schmitt Future Leaders Scholarship Program I. (Formerly 261) Course credit hours accrued across BOTH semesters, as each student is required to be enrolled throughout the full academic year. Credit hours reflect current metric for COB course credit hours, i.e., 50 demonstrated hours for each credit earned, i.e. 150 demonstrated hours per student (Orientation, Monthly check in luncheons; monthly check in coaching sessions; Fall, Winter workshop days, Service project effort, Spring presentation rehearsals, formal presentation to families/faculty advisors, and final Reflection meeting with A. J. Schmitt Foundation Board of Directors liaisons. Learning Community. Typically offered: Fall Term. *Department Consent Required.*

LCOM 3345 Learning Community Model United Nations II. (Formerly 345) Learning Community. Typically offered: Spring Term.

LCOM 3361 Arthur J. Schmitt Future Leaders Scholarship Program II. (Formerly 361) Course credit hours accrued across BOTH semesters, as each student is required to be enrolled throughout the full academic year. Credit hours reflect current metric for COB course credit hours, i.e., 50 demonstrated hours for each credit earned, i.e. 150 demonstrated hours per student (Orientation, Monthly check in luncheons; monthly check in coaching sessions; Fall, Winter workshop days, Service project effort, Spring presentation rehearsals, formal presentation to families/faculty advisors and final Reflection meeting with A. J. Schmitt Foundation Board of Directors liaisons. Prerequisite: Completion of LCOM 2261. Learning Community. Typically offered: Fall Term. *Department Consent Required.*

LCOM 3375 Preclinical Experience Level 3. (Formerly 375) This preclinical experience allows the candidate to plan lessons and implement differentiated instruction while practicing multiple classroom management and assessment strategies. Candidates evaluate their own teaching of these lessons in consultation with the cooperating teacher and the university supervisor. Candidates are expected to participate in collaborative activities and exhibit professionalism throughout all components of the experience. Experience includes directed activities in off-campus school settings and on-campus seminars. Personal transportation is required. 1 semester credit hour. Learning Community. Typically offered: Fall and Spring Terms. *Course Repeatable. Maximum number of units allowed 1.*

LCOM 3376 Student Teaching. (Formerly 376) Student teaching is the capstone of the professional education program and provides candidates the opportunity to apply knowledge and skills from core education coursework, with a focus on differentiated instructional practices, multiple learning environments, professional collaboration, school policies and procedures, and reflective practice. During student teaching, candidates steadily increase classroom responsibilities and demonstrate competency in planning, instruction, assessment, and other professional tasks, culminating in their assuming full responsibility for students in a classroom setting. Candidates are expected to exhibit professionalism throughout all components of the experience. Experience includes directed activities in off-campus school settings and on-campus seminars. Personal transportation is required. 12 semester credit hours. Typically offered Fall and Spring Terms. *Course Repeatable. Maximum number of units allowed 12.* Learning Community. Typically offered: Fall and Spring Terms. *Department Consent Required. Course Repeatable. Maximum number of units allowed 0.*

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LCOM 4370 Mentoring. Collaborative experiential learning in Dietetics. Co-registration in NUTR 4375 Typically offered: Fall and Spring Terms.

Linguistics

LING 3301 Introduction to Linguistics. (Formerly 301/501) Provides an overview of phonology, morphology, syntax, semantics, and discourse analysis, as well as an introduction to the history of linguistics, and psycholinguistic and sociolinguistic theory. For TESOL students, the course also addresses research in linguistics as it relates to educational theory and practice, specific to teaching and learning of English as a second language. 4 semester credit hours. Typically offered: Fall Term. *Department Consent Required.*

LING 3302 Second Language Acquisition. (Formerly 302/502) Provides an introduction to second language learning and acquisition theories that can be applied in various language learning contexts, including ESL, EFL, and bilingualism. Explores the relationship between language development and the social, emotional, cognitive and physical development of children, and issues in second language learning in adults. 4 semester credit hours. Typically offered: Fall Term. *Department Consent Required.*

LING 3303 Methods and Materials. (Formerly 303) Provides an overview of the historical development of language learning materials and methodology. Explores a range of current methods and materials which can facilitate second language learning for general or specific purposes, at beginning, intermediate and advanced levels, and in different contexts. 3 semester credit hours. *Department Consent Required.*

LING 3304 Assessment of ESL and Bilingual Students. (Formerly 304) Provides a general background in language and academic content assessment issues, opportunities to examine assessment instruments, and practical experience developing and using formal and informal assessment measures. Students critically select and analyze evaluation tools and techniques for measuring ESL students' performance in academic settings. Addresses the relationship between TESOL and state-mandated standards and methods for assessing English Language Learners (ELLs). 3 semester credit hours. *Department Consent Required.*

LING 3306 World Englishes. (Formerly 306) Examines the uses of English in a variety of global and local contexts (colonialism and its legacy, English-medium education around the world, business, science, popular culture, and social media). Addresses research that problematizes the notions of "native speaker" and "mother tongue" and explores their changing meaning in an increasingly globalized world. 3 semester credit hours. *Department Consent Required.*

LING 4307 Modern English. (Formerly 307/507) Provides a systematic and rigorous survey of the structure and functions of contemporary English language. The course examines how English grammar (including vocabulary) is used in different registers of contemporary speech and writing including conversation, fiction, news reporting and academic writing. The course covers systematic principles and rules whereby words and sentences are organized into coherent, meaningful language, and common usage "errors" that arise when those principles or rules are violated. 4 semester credit hours. Typically offered: Fall Term, Even Years. *Department Consent Required.*

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Literature

LITR 1150 Themes in Literature. (Formerly 150) This course is designed for non-majors and does not count towards the ELL major. Students will be introduced to literary methods and theories, with a focus on transferable skills, such as literary analysis, close reading, and essay writing. 3 semester credit hours. Literary/Rhetorical MOI. Typically offered: Fall and Spring Terms.

LITR 2210 Literature and Film. (Formerly 210) Selected literary texts and their representation on film; analysis of the relationship between the two genres, and differences between written texts and visual media. 3 semester credit hours. Literary/Rhetorical MOI. Typically offered: Spring Term, Odd Years.

LITR 2241 Environmental Literature. (Formerly 241) Study of the connections between humans and their environment, between the imagined landscapes and the real. Authors studied may include Thoreau, Silko, Leopold, and Steingraber. Course will combine literary analysis with cultural analysis, informed by science-based activism, and is suited to both English Language and Literature majors and others with an interest in the environment. 3 semester credit hours. Writ Intense, Sustainable QLR. Typically offered: Periodically.

LITR 2250 Medieval Literature. (Formerly 250) Study of literature from the medieval era of British European history. Students will learn to read Old English and/or in Middle English; texts to be studied may include work by Marie de France, Chaucer, the Gawain poet, Langland, medieval dramatists, and others major writers. Counts as pre-1800. 3 semester credit hours. Literary/Rhetorical MOI. Typically offered: Fall Term, Odd Years.

LITR 2255 American Literature I. (Formerly 255) Survey of American literature from its Colonial roots, particularly the influence of the Puritans, to its flowering in New England. Counts as pre-1800. 3 semester credit hours. Literary/Rhetorical MOI. Typically offered: Fall Term.

LITR 2256 American Literature II. (Formerly 256) 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. 3 semester credit hours. Literary/Rhetorical MOI. Typically offered: Spring Term.

LITR 2257 British Literature I. (Formerly 257) Historical survey of representative British literary texts from the Anglo-Saxon period to 1789, with attention to modes of critical reading and development of important genres. Counts as pre-1800. 3 semester credit hours. Literary/Rhetorical MOI. Typically offered: Fall Term.

LITR 2258 British Literature II. (Formerly 258) Historical survey of representative British and Anglophone literary texts from 1789 to the present, with attention to modes of critical reading and relevant cultural and historical contexts. Counts as post-1800. 3 semester credit hours. Literary/Rhetorical MOI. Typically offered: Spring Term.

LITR 2259 World Literatures. (Formerly 259) Study of major literary works from the ancient and classical, pre-modern, modern, and/or global eras, in English. May include comparative study of world traditions or mythologies. Not a Global-designated course. 3 semester credit hours. Literary/Rhetorical MOI. Typically offered: Fall Term, Even Years.

LITR 2263 Literature of the Early Modern Period. (Formerly 263) 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. 3 semester credit hours. Literary/Rhetorical MOI. Typically offered: Spring Term, Odd Years.

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LITR 2265 Shakespeare. (Formerly 265) Critical reading of representative comedies, tragedies, and histories. Emphasis on such issues as Shakespeare's dramatic art, critical response, and role in constructions of literary culture. Counts as pre-1800. 3 semester credit hours. Literary/Rhetorical MOI. Typically offered: Spring Term, Even Years.

LITR 2269 Introduction to Creative Writing. (Formerly 269) Writing workshop for students; introduction to various forms of modern fiction and poetry. Students will have the opportunity to create original poetry and fiction. 3 semester credit hours. Artistic/Creative MOI. Typically offered: Periodically.

LITR 2272 Creative Writing Workshop. (Formerly 272) Advanced Creative Writing Course: Topic May Vary. 3 semester credit hours. Engaged Learning, QCA. *Course Repeatable. Maximum number of units allowed 6.*

LITR 2279 U. S. Multiethnic Literature. (Formerly 279) 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. 3 semester credit hours. Literary/Rhetorical MOI. Typically offered: Fall Term, Even Years.

LITR 2280 African-American Literature. (Formerly 280) 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. 3 semester credit hours. Literary/Rhetorical MOI. Typically offered: Spring Term, Even Years.

LITR 2281 Gender and Literature. (Formerly 281) 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. 3 semester credit hours. Typically offered: Fall Term, Even Years.

LITR 2291 Topics in Literature. (Formerly 291) Intermediate-level study of authors, themes, movements, and genres; attention to historical context. Sample topics: American Renaissance, Nineteenth- Century British Women Writers, Gothic, the Graphic Novel, Lyric. May count as pre-1800, post-1800, or diversity course for majors, depending on topic. May be designated Literary and Rhetorical Mode of Inquiry (QLR) depending on topic. 3 semester credit hours. Typically offered: Periodically. *Course Repeatable. Maximum number of units allowed 99.*

LITR 2298 Advanced Academic and Nonfiction Writing. (Formerly 298) Advanced introduction to academic writing and research, with emphasis on understanding the essay form and its history. Students will also develop versatility in adapting writing skills to different platforms, media, and genres. Introductory course for English Language and Literature majors; co-requisite or prerequisite for 3000-level Literature courses. Not a Literature Core Elective. 3 semester credit hours. Writing Intensive Course. Typically offered: Fall Term.

LITR 2299 Introduction to Literary Analysis. (Formerly 299) Advanced introduction to literary study and criticism. Focus on genres, techniques and development of literature. Emphasis on critical reading and writing. Introductory course for English Language and Literature majors; co-requisite or prerequisite for 3000-level Literature courses. Not a Literature Core Elective. 3 semester credit hours. Typically offered: Spring Term.

LITR 3250 Advanced Studies in Medieval Literature. (Formerly 350) Advanced study of literature from the medieval era of British European history. Students will learn to read in Old English and/or Middle English; texts to be studied may include work by Marie de France, Chaucer, the Gawain poet, Langland, medieval dramatists,

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and other major writers. Counts as pre-1800 elective for majors. 3 semester credit hours. Typically offered: Fall Term, Odd Years. *Department Consent Required.*

LITR 3305 Critical Theory. (Formerly 305) 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. Prerequisite or co-requisite: LITR 2298 or LITR 2299 or permission of instructor for non-literature majors. 3 semester credit hours. Typically offered: Fall Term, Odd Years.

LITR 3357 The Nineteenth Century. (Formerly 357) 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. Prerequisite or co-requisite: LITR 2298 or LITR 2299. 3 semester credit hours. Typically offered: Spring Term, Odd Years.

LITR 3362 Modern Literature. (Formerly 362) 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. Prerequisite or co-requisite: LITR 2298 or LITR 2299. 3 semester credit hours. Typically offered: Spring Term, Even Years.

LITR 3381 Theories of Gender in Literary Analysis. (Formerly 381) 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. Prerequisite or co-requisite: LITR 2298 or LITR 2299 or GENS 1100. 3 semester credit hours. Typically offered: Spring Term, Odd Years.

LITR 3391 Advanced Topics in Literature. (Formerly 391) Advanced study of authors, themes, movements and genres, with attention to historical context. May count as pre-1800, post-1800, or diversity course for majors, depending on topic. Prerequisite or co-requisite: LITR 2298 or LITR 2299. 3 semester credit hours. Typically offered: Periodically. *Course Repeatable. Maximum number of units allowed 12.*

LITR 4301 Advanced U.S. Literary and Cultural Studies II. (Formerly 301) Explores critical questions, analytical categories, and common methodologies that structure the practice of U.S. literary and cultural studies. Students will work primarily with literary texts written after 1800 as well as with secondary sources and theoretical works. Students will also complete a research paper. Counts as post-1800. Prerequisite or co-requisite: LITR 2298 or LITR 2299. 3 semester credit hours. Typically offered: Fall Term, Even Years.

LITR 4307 Modern English Language. (Formerly 307) A systematic and rigorous survey of the structure and functions of contemporary English language. Examines how English grammar (including vocabulary) is used in different registers of contemporary speech and writing including conversation, fiction, news reporting and academic writing. Introduces some contemporary linguistic theories on the nature of language and different approaches to teaching grammar; topics include first and second language acquisition, differences between spoken and written English, the effects of language change on English grammar and usage, the concept of Standard English and how cultural attitudes affect our ideas of "correctness." Cross-listed as LING 4307/5507. 3 semester credit hours. Typically offered: Fall Term, Even Years.

LITR 4364 Global/Postcolonial Literature and Theory. (Formerly 364) Comparative study of literature and theory concerning colonial, postcolonial, third world, and diasporic cultures and communities. 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.

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Counts as diversity elective for majors. Prerequisite or co-requisite: LITR 2298 or LITR 2299. 3 semester credit hours. Typically offered: Spring Term, Odd Years.

LITR 4384 Major Authors and Genres I. (Formerly 384) Detailed study of major writers and/or literary genres prior to 1800. Authors to be studied may include such figures as Geoffrey Chaucer, Aphra Behn, or John Milton; genres to be studied may include epic or the rise of the novel. Counts as pre-1800 for majors; may also count as diversity course depending on topic. Prerequisite or co-requisite: LITR 2298 or LITR 2299. 3 semester credit hours. Typically offered: Periodically.

LITR 4385 Major Authors and Genres II. (Formerly 385) Detailed study of major writers and/or literary genres after 1800. Authors to be studied may include such figures as Jane Austen, Robert Browning, or Toni Morrison; genres to be studied may include slave narratives and the poetic collection. Counts as post-1800 for majors; may also count as diversity course depending on topic. Prerequisite: LITR 2298 or LITR 2299. 3 semester credit hours. Typically offered: Fall Term, Odd Years.

LITR 4399 Senior Seminar. (Formerly 399) Group workshop and individual instruction in literary research and critical writing, leading to the completion of a thesis paper in a literary field of the student's choice. Prerequisites: LITR 2298, LITR 2299, and senior standing. 3 semester credit hours. Writing Int and Engaged Learn. Typically offered: Fall Term.

Management and Organizational Behavior

MGT 1120 "Going Green" in the Business World. (Formerly 120) This course provides students of all majors, concentrations and levels of study a variety of business frameworks and tools to influence business leaders' decisions about environmental sustainability. As a result of this course the student will better understand how they can make a positive difference on the job influencing their employers to adopt green business practices. 1 semester credit hour. Global and Sustainability. Typically offered: Fall and Spring Terms.

MGT 1125 Business Sustainability Topics. (Formerly 125) This course traces present-day expectations on corporations for taking on environmental and social responsibilities. Students will study specific topics that are important components of sustainability initiatives. Topics include consumerism and resource depletion, substitution of renewable for non-renewable resources, building design and construction, carbon reduction, waste reduction and recycling, climate change and sustainability measurement and reporting. 3 semester credit hours. Global and Sustainability. Typically offered: Fall and Spring Terms.

MGT 1150 Business Statistics I. (Formerly 150) Basic course in statistical technique; includes measures of central tendency, variability, probability theory, sampling, estimation, and hypothesis testing. Prerequisite: MATH 1105 or MATH 1110. Credit will not be given for both MATH 1150 and MGT 1150. 3 semester credit hours. Comp Math Analytical MOI. Typically offered: Fall and Spring Terms.

MGT 2210 Management. (Formerly 210) 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. Prerequisite: sophomore standing. 3 semester credit hours.

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MGT 2217 Group Dynamics and Learning Strategies. (Formerly 217) This course provides an overview of organizational structure, group dynamics, and learning strategies. Prerequisite: Admission to the Adult Bachelor of Arts Learning Team or Online Program. 3 semester credit hours.

MGT 2220 Entrepreneurship. (Formerly 220) Application of business principles to planning, organizing and operating the entrepreneurial enterprise. 3 semester credit hours.

MGT 2235 Business Law I. (Formerly 235) Introduction to the role of the legal system in our society with an emphasis on the law of contracts, sales, and agency. 3 semester credit hours. Typically offered: Fall and Spring Terms.

MGT 2237 Business Communications. (Formerly 237) 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. 3 semester credit hours. Writing Intensive Course.

MGT 2247 Ethical Leadership. (Formerly 247) This course is an overview of management at the strategic and tactical levels. It reviews various models of leadership, ethics involved in that leadership, strategies, and skills. Prerequisite: Admission to the Adult Bachelor of Arts Learning Team or Online Program. 3 semester credit hours. Writing Intensive Course.

MGT 2251 Business Statistics II. (Formerly 251) Covers: Regression and correlation, analysis of variance, and nonparametric statistics. Prerequisite: MGT 1150. 3 semester credit hours. Typically offered: Fall and Spring Terms.

MGT 2260 Fundamentals of Human Resource Management. (Formerly 260) 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. 3 semester credit hours.

MGT 2262 Employee Recruitment Strategies. (Formerly 262) 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. 3 semester credit hours.

MGT 2264 Employee Performance and Appraisal Management. (Formerly 264) 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. 3 semester credit hours.

MGT 2266 Essentials of Compensation and Benefits. (Formerly 266) 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. 3 semester credit hours.

MGT 2268 Managing Workplace Relationships. (Formerly 268) 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. (For example: employee management committees, self-directed work teams, and staff meetings). 3 semester credit hours.

MGT 2270 Employment Law and Risk Management. (Formerly 270) 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. 3 semester credit hours.

MGT 2275 Accounting and Financial Analysis. (Formerly 275) 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: ACCT 1112 and Admission to the Adult Bachelor of Arts Learning Team or Online Program. 3 semester credit hours.

MGT 2291 Topics. (Formerly 291) Specially designed courses on various business topics to supplement the business curriculum. Varies based upon the specific topic being explored. 3-6 semester credit hours.

MGT 3297 Internship. (Formerly 297) Practical experiences in business related fields under the supervision of the program coordinator. 2-6 semester credit hours. Engaged Learning. *Department Consent Required. Course Repeatable. Maximum number of units allowed 12.*

MGT 3300 Management. (Formerly 278/300) Fundamental principles and practices of the corporate enterprise are utilized to consider planning, organizing, implementing and controlling in management. Prerequisite: Sophomore standing. 3 semester credit hours. Writing Intensive Course. Typically offered: Fall and Spring Terms.

MGT 3301 Entrepreneurship. (Formerly 301) This course provides students with the opportunity to create a complete written Business Plan and effectively present the Business Plan orally to a panel of prospective investors or lenders. Students will be grouped into teams with each team determining an appropriate business opportunity to develop according to course instruction. Prerequisite: Sophomore status, MKTG 2300, ACCT 1111. 3 semester credit hours. Typically offered: Fall Term.

MGT 3302 International Management. (Formerly 302) 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. 3 semester credit hours. Global Course.

MGT 3303 Management Labor Relations. (Formerly 303) 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 credit hours. Typically offered: Fall Term.

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MGT 3305 Introduction to Sports Culture in America. (Formerly 305) Introduces students to the business side of sports in America and provides an overview for the opportunities in the sports and leisure industry. The course emphasizes critical thinking skills and covers ethics, social concerns and the economic impact of sports and leisure upon America. 3 semester credit hours. Typically offered: Fall Term.

MGT 3315 Lean Six Sigma for Operational Excellence. (Formerly 315) Lean Six Sigma is a methodology that focuses on process efficiency and effectiveness which directly translates into increased customer satisfaction and improved return on investment (ROI). This course focuses on the linkage between strategy and achieving operational efficiency using real-worlds projects and business cases. Cross-listed with BALT 3325. 3 semester credit hours. Typically offered: Fall Term.

MGT 3323 Group Processes. (Formerly 323) 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 credit hours.

MGT 3324 Global Sustainability Topics. (Formerly 324) This course presents mainstream environmental and corporate sustainability challenges faced by business. Topics include the concept of Shared Value, greenhouse gas (GHG) abatement programs; mitigation discussions on global climate change; consumerism; renewable energy technologies; state of adoption of Triple Bottom Line sustainability reporting; accounting for Externalities through Natural Capital accounting methods. Supporting topics: What business tools can one use to take ideas and make them into sustainable programs? Overview of LEED building practices; recycling; alternative transportation programs, how to account for carbon emissions; employment trends in the green economy. Senior Status. 3 semester credit hours. *Department Consent Required.*

MGT 3331 Labor and Industrial Relations. (Formerly 331) Analysis of the structure and behavior of labor and business enterprises and implications of this behavior for resource allocation and individual welfare. Prerequisite: ECON 2101, ECON 2202. 3 semester credit hours. Writing Intensive Course.

MGT 3334 Training and Development. (Formerly 334) This course covers corporate training and development including assessment, training design, training evaluation, management and executive training. Prerequisite: MGT 4330. 3 semester credit hours. Typically offered: Fall Term.

MGT 3335 Compensation and Performance Management. (Formerly 335) A study of the historical development of compensation theory and its applications to the design and implementation of benefit/reward structures in modern organizations. Prerequisite: MGT 4330. 3 semester credit hours. Typically offered: Spring Term.

MGT 3336 Employee Recruiting, Interviewing and Selection. Formerly 336) Covers a strategic approach to identification, attraction, selection, and retention of talent. Includes a comprehensive staffing model, staffing support systems, core staffing systems, cases and exercises for student skill building. 3 semester credit hours.

MGT 3347 Project Management. (Formerly 347) 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. Prerequisite: Junior or Senior Standing. 3 semester credit hours. Typically offered: Spring Term.

MGT 3370 Industrial Organization & Policy. (Formerly 370) 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 3202. 3 semester credit hours.

MGT 3389 Senior Seminar. (Formerly 389) 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 credit hours.

MGT 4320 Organizational Behavior. Overview of organizational structures and group dynamics. Examines job satisfaction, motivation, performance evaluation, decision-making and goal setting. 3 semester credit hours. Typically offered: Fall and Spring Terms.

MGT 4330 Human Resource Management. (Formerly 330) Relationship of internal and external labor market concepts to organizational manpower planning. Prerequisite: MGT 3300. 3 semester credit hours. Typically offered: Fall and Spring Terms.

MGT 4333 Operations Management. (Formerly 333) A study of theory, principles and computational procedures as applied to such areas as strategic planning, forecasting, capacity planning, productivity and quality control. Prerequisite: MGT 3300. 3 semester credit hours. Typically offered: Fall and Spring Terms.

MGT 4380 Strategic Management. (Formerly 380) 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. Prerequisite: Senior standing, FINA 2300, MGT 3300 MKTG 2300. 3 semester credit hours. Writing Int and Engaged Learn. Typically offered: Fall and Spring Terms.

MGT 4387 Management Capstone. (Formerly 387) 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: MGT 2275, 3302, 4330, 3347 and admission to the adult B.A. in Management Program. 3 semester credit hours. Writing Int and Engaged Learn.

MGT 4391 Topics. (Formerly 391) Specially designed courses in various business topics to supplement the business curriculum. Prerequisite: Varies based upon the specific topic being explored. 1-3 semester credit hours. *Course Repeatable. Maximum number of units allowed 12.*

MGT 4397 Internship. (Formerly 397) Practical experiences in business related fields under the supervision of the program coordinator. 2-6 semester credit hours. Engaged Learning. *Department Consent Required. Course Repeatable. Maximum number of units allowed 12.*

Marketing

MKTG 2241 Introduction to Social Media Marketing. (Formerly 241) Introduction to social media marketing including Facebook, Twitter, and LinkedIn. Students learn how to develop a social media presence and work towards fulfilling requirements for a social media certification (e.g. Hootsuite). To help develop critical thinking

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and strategic ability, students are exposed to current trends and diverse viewpoints in social media marketing, including evolving best practices. Credit cannot be earned in both MKTG 2241 and MKTG 3347. 3 semester credit hours.

MKTG 2242 Introduction to Search Engine Optimization (SEO). (Formerly 242) Students learn the fundamentals about how content development relates to SEO including applying SEO techniques to a blog. As part of the course, students work towards fulfilling requirements for an SEO certification (e.g. Huspot). Students are exposed to sources for gaining an up to date perspective on the constantly evolving field of SEO, as well as getting exposure to the ethics of "white hat" and "black hat" SEO techniques. Credit cannot be earned in both MKTG 2242 and MKTG 3348. 3 semester credit hours.

MKTG 2243 Introduction to Search Engine Marketing. (Formerly 243) Students learn fundamentals of SEM (search engine marketing) through hands-on exposure to the Google Adwords platform. Concepts and skills include creating ads, choosing keywords, monitoring performance. Students take the Google Adwords Fundamentals exam, which is 1 of the 2 exams required for Google Adwords certification. To help develop critical thinking and strategic ability, students are exposed to real world scenarios and live Adwords campaigns, to help them learn how to discriminate between various potential strategies and their relative effectiveness. Credit cannot be earned in both MKTG 2243 and MKTG 3349. 3 semester credit hours.

MKTG 2244 Intro to Web Analytics (Google Analytics). (Formerly 244) Students learn fundamentals of Web Analytics through hands-on exposure to the Google Analytics platform. Concepts and skills include learning how Web Analytics can provide insight on Website visitors and their behavior, and the importance of monitoring ROI (return on investment). To help develop critical thinking and strategic ability, students are exposed to current trends and viewpoints in Web Analytics, to understand the importance of the insights that analytics can provide, and how it can inform clients' strategic marketing plans. Credit cannot be earned in both MKTG 2244 and MKTG 3345. 3 semester credit hours.

MKTG 2291 Topics. (Formerly 291) Specially designed courses in various business topics to supplement the business curriculum. Prerequisite: Varies based upon the specific topic being explored. 3 semester credit hours.

MKTG 2300 Marketing. (Formerly 300) This course is 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. It focuses on how companies develop marketing strategies based on the decisions they make about the types of products they will offer and how those products will be distributed, promoted, and priced. The impact the external market environment can have on those strategies is also examined. Prerequisite: Sophomore standing. 3 semester credit hours. Individ/Org/Societies MOI. Typically offered: Fall and Spring Terms.

MKTG 3297 Internship. (Formerly 297) Practical experiences in business related fields under the supervision of the program coordinator. 2-6 semester credit hours. Engaged Learning. *Department Consent Required. Course Repeatable. Maximum number of units allowed 12.*

MKTG 3305 Sports Marketing. (Formerly 305) A case study approach will be used to explore and analyze situations that pertain to sports marketing. Prerequisite: MKTG 2300. 3 semester credit hours. Typically offered: Spring Term.

MKTG 3310 Consumer Behavior. (Formerly 310) This course is an in-depth examination of the internal and external factors that influence consumers in their selection, use, and disposition of products and services. In

examining consumer needs, wants, and behavior as a foundation for the formulation of effective marketing strategies, the course emphasizes the importance that organizations must place on understanding not only the demographic and economic factors that drive consumers to behave in certain ways, but the psychological, cultural, and social factors as well. This course examines consumers' needs, wants, and market behavior as a foundation for the formulation of effective marketing strategies by organizations. The course also provides an understanding of consumer behavior that can be used by all students to enhance their ability to consume wisely and to enable them to appreciate the critical role consumers play in our economic system. Prerequisite: MKTG 2300. 3 semester credit hours. Typically offered: Spring Term.

MKTG 3325 CRM Business Concepts and Software Applications. (Formerly 325) CRM Business Concepts and Software Applications. Successful businesses rely on a CRM software system to provide a 360 degree view of their customers and important insights into their own business. This course provides students with the understanding of customer relationships, including strategic, operational, and analytical views and their applications to business. Students will also gain hands-on experience in and outside the classroom using Salesforce.com, one of the premier CRM software programs that is widely used in business today. Salesforce.com experience is in high demand in the market place. Students will earn badges which will lay the groundwork for students to become certified. Understanding of CRM along with Salesforce.com badges are coveted credentials that can help students accelerate a successful job search and career. Prerequisite: MKTG 2300. 3 semester credit hours. Typically offered: Spring Term.

MKTG 3331 Internet Marketing Communications. (Formerly 331) 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. Prerequisite: MKTG 2300. 3 semester credit hours.

MKTG 3333 Personal Selling and Sales Management. (Formerly 333) 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. Prerequisite: MKTG 2300. 3 semester credit hours. Typically offered: Spring Term.

MKTG 3334 E-Commerce. (Formerly 334) This course presents the state-of-the-art in electronic commerce. Its focus is on the current and future impact of e-commerce. Students will learn how to create new business opportunities; identify new customers and additional value in existing customers; realign the organization for this new environment; address contemporary uncertainties such as government regulation, taxation, security, privacy, and intellectual rights; create a market presence; measure success, return on investment and profitability; and sustaining the pace of change through appropriate staffing, hiring, outsourcing and partnering. Students examine recent successes and failures in e-commerce through case studies and other readings and will develop an e-commerce business plan for an organization. Cross-listed with MIS/MBA 6657. Prerequisite: MIS 5546 or MBA 6641. 3 semester credit hours. Typically offered: Annually.

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MKTG 3336 Advanced Social Media Marketing. Formerly 336) Advanced coverage of social media marketing, including creating and monitoring social media ad campaigns, as well as social media monitoring. To help develop critical thinking and strategic ability, students gain additional exposure to applications, evaluation of best practices, and advanced skill development in various situations. Credit cannot be earned in both MKTG 3336 and MKTG 3347. 3 semester credit hours.

MKTG 3337 Advanced Search Engine Optimization (SEO). (Formerly 337) Advanced coverage of SEO (search engine optimization), including developing skills through creating a website, and using related tools to monitor performance and analyze keywords. As part of the course students work towards fulfilling requirements for an SEO certification. (ex: Search Engine News; subject to change) To help develop critical thinking and strategic ability, students gain additional exposure to applications, evaluation of best practices, and advanced skill development in various situations. Credit cannot be earned in both MKTG 3337 and MKTG 3348. 3 semester credit hours.

MKTG 3338 Advanced Search Engine Marketing. (Formerly 338) Students continue learning and applying SEM (search engine marketing) techniques, working on live campaigns, and advancing to more sophisticated optimization, including learning how to increase CTR (click through rate) and working with bidding strategies. Students take the Google Adwords Advanced exam, which is 1 of the 2 exams required for Google Adwords certification. To help develop critical thinking and strategic ability, students gain additional exposure to applications, evaluation of best practices, and advanced skill development in various situations. Credit cannot be earned in both MKTG 3338 and MKTG 3349. 3 semester credit hours.

MKTG 3339 Advanced Web Analytics (Google Analytics). (Formerly 339) Students continue learning Web Analytics through developing hands-on skills, including developing actionable insights for a business or organization, and becoming familiar with more metrics (measurements) and related best practices. Students take the Google Analytics Certification exam. To help develop critical thinking and strategic ability, students gain additional exposure to applications, evaluation of best practices, and advanced skill development in various situations. Credit cannot be earned in both MKTG 3339 and MKTG 3345. 3 semester credit hours.

MKTG 3342 Web Intelligence and Analytics. (Formerly 342) This course will focus on developing an understanding of web analytics and web intelligence. Students will learn how to: leverage Web site effectiveness and marketing; and measure, identify, and interpret key Web metrics and KPIs. Additionally, students will gain an understanding of main data collection techniques, their impact on metrics, and their limitations. Insight into the potential of data mining and predictive analytics in the context of the Web will be explored as well as web spiders, web bots, and social listening software. Prerequisite: MKTG 4320. 3 semester credit hours. Typically offered: Periodically.

MKTG 3345 Introduction to Web Analytics. (Formerly 345) Web Analytics, one of the core skills for online marketing, is becoming increasingly important to companies, as they seek to evaluate the performance of their websites and advertising campaigns, with the ultimate goal of tracking the return on investment. Students will learn about Google Analytics, one of the top tools, starting with creating a blog and then monitoring the number of people who see the blog posts and where they come from. The student doesn't need any required skills and doesn't need to be "numbers person" – the course is for anyone who wants to get a job in online marketing or who wants to learn how the performance of websites fits into business. Skills that will be learned in this course connect to other areas, such as search engine marketing and social media marketing, and provide a "network effect" to help students become more effective online marketers and more employable. The course also includes working towards a Google Analytics "Individual Qualification," which is like a certification, and is a great

thing for students to have on their resumes. Web Analytics can be a competitive differentiator in the job market, either as a skill set or as a dedicated role. Credit cannot be earned in both MKTG 3339 and MKTG 3345. 3 semester credit hours. Typically offered: Fall Term.

MKTG 3347 Social Media Marketing. (Formerly 347) LinkedIn listed Social Media Marketing as the #1 skill that got people hired in 2013. Social Media Marketing continues to grow and be an important area, as a dedicated role or skill set. In this course, students will learn how to create and monitor the performance of social media marketing campaigns, with a focus on the three main platforms - Facebook, Twitter, and YouTube. Coverage also includes establishing and maintaining an organization's presence on LinkedIn, and using tools such as Hoot suite, to post content to multiple networks (e.g., Facebook, Twitter, and LinkedIn). Other topics include social media monitoring, and looking at the performance of social media campaigns with built-in tools such as Facebook Insights and You Tube Analytics. Students will gain an understanding of not just how to manage social media, but how to look at return on investment (ROI). This emphasis on ROI provides a competitive edge, and students can also participate in an experiment that may eventually become a social media certification. Credit cannot be earned in both MKTG 3336 and MKTG 3347. 3 semester credit hours. Typically offered: Fall Term.

MKTG 3348 Content Development & Search Engine Optimization. (Formerly 348) An interdisciplinary course focusing on helping students capture, preserve, and share digital stories. Students will learn how to develop content telling the story of an organization to boost the relevance of a website and support the overall marketing efforts of the organization. Credit cannot be earned in both MKTG 3337 and MKTG 3348. 3 semester credit hours. Typically offered: Spring Term.

MKTG 3349 Search Engine Marketing. (Formerly 349) This course introduces search engine marketing, the process of creating and managing ads on Google, which is a core skill in digital marketing that can also be a dedicated role. Students work on live campaigns and work towards Adwords certification. Credit cannot be earned in both MKTG 3338 and MKTG 3349. 3 semester credit hours. Typically offered: Spring Term.

MKTG 3360 Marketing Research. (Formerly 360) 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. Prerequisite: MKTG 2300, MGT 1150, Junior standing. 3 semester credit hours. Typically offered: Fall Term.

MKTG 3391 Topics. (Formerly 391) Specially designed courses in various business topics to supplement the business curriculum. Prerequisite: Varies based upon the specific topic being explored. 3 semester credit hours. *Course Repeatable. Maximum number of units allowed 12.*

MKTG 4320 Data and Text Mining. (Formerly 320) Knowledge discovery and business analytics are core tools used by organizations to direct business decisions, improve strategies, reduce risk and create new business opportunities. This course focuses on algorithm techniques that can be used for knowledge discovery such as classification, association rule mining, clustering, and heuristics. Successful applications of this methodology have been reported in areas such as credit rating, fraud detection, database marketing, customer relationship management, and stock market investments. This course will cover data mining for business intelligence and will cover applications to both data and text. The focus is on several techniques that aim at discovering patterns that can bring value or "business intelligence" to organizations. Examples of such patterns include fraud detection, consumer behavior, and credit approval. The course will cover the most important data mining techniques

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including: classification, clustering, association rule mining, prediction—through a hands-on approach using specialty software. Cross-listed with BALT 4320. Prerequisite: MGT 2251 or BALT 3301. 3 semester credit hours. Typically offered: Fall and Spring Terms.

MKTG 4330 Promotional Strategy. (Formerly 330) To maximize their impact on both end consumers and other businesses, companies must coordinate and integrate all of their marketing functions. Using an integrated marketing communications (IMC) approach, this course goes beyond the traditional study of advertising, sales, promotion, personal selling, direct marketing, and public relations, to show how all of these components of promotion, as well as the other three elements of the marketing mix, must blend together to present a unified message to consumers. 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. Prerequisite: MKTG 2300. 3 semester credit hours. Typically offered: Fall Term.

MKTG 4380 Marketing Strategy. (Formerly 380) 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. Prerequisite: MKTG 3300, Senior standing. 3 semester credit hours. Typically offered: Spring Term.

MKTG 4397 Internship. (Formerly 397) Practical experiences in business related fields under the supervision of the program coordinator. 2-6 semester credit hours. Engaged Learning. *Department Consent Required.*

Mathematics

MATH 1104 Advanced Business Mathematics. (Formerly 104) 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. Prerequisite: Admission to the Adult Learning Team or Online Program. 3 semester credit hours.

MATH 1105 Finite Mathematics. (Formerly 105) 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-1105 and Math-1110 when both courses are taken at Benedictine University. Prerequisite: Placement exam or a “C” or better in MATH 0095. 3 semester credit hours. Typically offered: Fall and Spring Terms.

MATH 1108 Quantitative Reasoning. (Formerly 108) 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; 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. Prerequisite: Placement exam or a “C” or better in MATH 0095. 3 semester credit hours. Typically offered: Fall and Spring Terms.

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MATH 1110 College Algebra. (Formerly 110) This course will focus on using functions and equations to model real-world phenomena. Topics include equations, inequalities, functions, graphs, polynomial and rational functions, exponential and logarithmic functions, conics, systems of equations and inequalities, and finding regression curves using technology. Credit will not be granted for both MATH 1105 and MATH 1110 when both courses are taken at Benedictine University. Prerequisite: Placement exam or a "C" or better in MATH 95. 3 semester credit hours. Typically offered: Fall, Spring and Summer Terms.

MATH 1111 College Trigonometry. (Formerly 111) 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. Prerequisite: Placement exam or a "C" or better in MATH 1105 or MATH 1110. 3 semester credit hours. Comp Math Analytical MOI. Typically offered: Fall and Spring Terms.

MATH 1112 Mathematics for Elementary Teachers I. (Formerly 112) This course deeply explores the mathematical content of elementary school mathematics. Topics include mathematical thinking and processes, problem solving, numeration, arithmetic operations, estimation, number theory, integers, fractions, rational numbers, decimals, real numbers, proportions, and percentages. This course is the first of two mathematics courses required of all Elementary Education majors. Prerequisite: Placement exam or "C" or better in MATH 0095. 3 semester credit hours. Typically offered: Fall Term.

MATH 1115 Business Calculus. (Formerly 115) 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. Prerequisite: Placement exam or a "C" or better in MATH 1105 or MATH 1110. 3 semester credit hours. Comp Math Analytical MOI. Typically offered: Periodically.

MATH 1131 The Mathematical Universe. (Formerly 131) This course allows the student to discover the beauty and elegance of mathematics, its strength and value to everyday life. Includes topics such as zero, infinity, fractals, the golden ratio, clock arithmetic, matrices, cryptology, etc., that have helped shape the modern world. Students would be required to understand the techniques discussed to levels that would enable them to think abstractly beyond specific examples covered. Prerequisite: "C" or better in MATH 1105, 1108, 1110 or 1112 or math placement higher than basic skills. 3 semester credit hours. Comp Math Analytical MOI. Typically offered: Periodically.

MATH 1150 Introduction to Statistics. (Formerly 150) Basic course in statistical techniques which includes representations of data, measures of central tendency, methods of counting, probability, sampling, estimation, hypothesis testing, correlation, and regression. For non-business majors. Prerequisite: "C" or better in MATH 1105 or MATH 1110 or credit or proficiency in a course above Basic Skills. Credit will not be given for both MATH 1150 and MGT 1150. 3 semester credit hours. Typically offered: Fall and Spring Terms.

MATH 1152 Calculus II. (Formerly 152) Offered through IIT. 5 semester credit hours.

MATH 1170 Introduction to Calculus I. (Formerly 170) 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. Prerequisite: Placement exam or a "C" or better in MATH 1111. 5 semester credit hours. Comp Math Analytical MOI. Typically offered: Fall Term.

MATH 2200 Applications of Calculus I. (Formerly 200) A continuation of MATH 1170. Topics include curve sketching, plane analytic geometry, maxima and minima, related rates, and other applications of the derivative.

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Study concludes with definite and indefinite integrals, numeric integration, elementary differential equations, parametric functions, mean value theorem and the Fundamental Theorems of Integral Calculus. The computer algebra system Maple will be employed. Credit will not be granted for both MATH 2200, or MATH 2210. Prerequisite: "C" or better in MATH 1170. 4 semester credit hours. Comp Math Analytical MOI. Typically offered: Spring Term.

MATH 2210 Calculus I. (Formerly 210) Topics include differentiation, and anti-differentiation of algebraic, trigonometric and transcendental functions, the fundamental theorem of calculus, mean value theorem, 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 all MATH 2210 or MATH 2220. Prerequisite: Placement exam or "B" or better in MATH 1111. 5 semester credit hours. Comp Math Analytical MOI. Typically offered: Fall, Spring and Summer Terms.

MATH 2211 Calculus II. (Formerly 211) Topics include applications of the definite integral, methods of integration, L'Hopital's rule, sequences and series, vectors, and numerical integration. The computer algebra system Maple will be used to illustrate calculus concepts. Prerequisite: "C" or better in MATH 2210, or MATH 2220. 4 semester credit hours. Typically offered: Fall, Spring and Summer Terms.

MATH 2212 Calculus III. (Formerly 212) 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. Prerequisite: "C" or better in MATH 2211. 4 semester credit hours. Typically offered: Fall and Spring Terms.

MATH 2222 Mathematics for Elementary Teachers II. (Formerly 222) This course deeply explores the mathematical content of elementary school mathematics. Topics include basic concepts of geometry, two- and three-dimensional geometric figures, transformational geometry, coordinate geometry, symmetry, tessellations, similarity, and measurement. This course is the second of a sequence of mathematics courses required of all Elementary Education majors. Math 1112 and Math 2222 together satisfy IAI M1903. Prerequisite: "C" or better in MATH 1112. 3 semester credit hours. Typically offered: Spring Term.

MATH 2240 Discrete Mathematics. (Formerly 240) 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. Prerequisite: "C" or better in Math 1111, Math 1115, or Math 1170, or placement into Math 2210. 4 semester credit hours. Typically offered: Fall and Spring Terms.

MATH 2260 Differential Equations. (Formerly 260) An introduction to first and second order ordinary differential equations (ODEs) with an emphasis on linear ODEs and the methods used to solve them; integrating factor method; various applications of ODEs; slope fields; phase plane analysis; stability of equilibrium solutions; separation of variables; exact ODEs; the Wronskian; existence and uniqueness of solutions; reduction of order; undetermined coefficients; variation of parameters; systems of first order linear ODEs and the eigenvalue/eigenvector method; nonlinear systems; locally linear systems and stability analysis; and the Laplace transform. Prerequisite: "C" or better or co-registration in Math 2212. 4 semester credit hours. Writing Intensive Course. Typically offered: Spring Term.

MATH 2297 Introduction to Mathematical Research. (Formerly 297) An introduction to original mathematics research conducted under the supervision of a faculty member. *Department Consent Required.* Typically offered: Periodically. *Department Consent Required. Course Repeatable. Maximum number of units allowed 0.*

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MATH 2298 Introduction to Mathematical Research. (Formerly 298) An introduction to original mathematics research conducted under the supervision of a faculty member. 1-2 semester credit hours. Typically offered: Periodically. *Department Consent Required. Course Repeatable. Maximum number of units allowed 5.*

MATH 3300 Linear Algebra. (Formerly 300) This course serves as an introduction to more abstract mathematics courses. In addition to the theory of Linear Algebra students will learn methods of proof. 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. Prerequisite: "C" or better in Math 2240 or credit or co-registration in Math 2212. 3 semester credit hours. Typically offered: Spring Term.

MATH 3310 Modern Geometry. (Formerly 310) Euclidean and non-Euclidean geometries, geodesics, triangle congruence theorems, area and holonomy, parallelism, symmetry, and isometries. Prerequisite: "C" or better in MATH 2211. 3 semester credit hours. Writing Intensive Course. Typically offered: Spring Term, Even Years.

MATH 3312 Mathematics for Middle and Secondary Teachers. (Formerly 312) 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. Prerequisite: "C" or better in MATH 2212 and MATH 2240. 3 semester credit hours. Typically offered: Fall Term, Odd Years.

MATH 3350 Complex Variables. (Formerly 350) 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. Prerequisite: "C" or better in MATH 2212. 3 semester credit hours. Typically offered: Fall Term, Odd Years.

MATH 3361 Fourier Analysis & Boundary Value Problems. (Formerly 361) Fourier series and their applications; Fourier Integral Representation; Sturm-Liouville Problems; techniques for solving partial differential equations (PDE's); heat equation, wave equation, and potential equation in Cartesian, polar, and cylindrical coordinates; Laplacian operator; and Bessel functions and their applications. Prerequisite: "C" or better in MATH 2260. 3 semester credit hours. Engaged Learning. Typically offered: Fall Term, Even Years.

MATH 3370 Theory of Interest. (Formerly 370) Topics include measurement of interest, various types of annuities, yield rates, amortization schedules, sinking funds, bonds and securities. Prerequisite: "C" or better in MATH 2211. 3 semester credit hours. Typically offered: Spring Term, Even Years.

MATH 3371 Probability and Statistics I. (Formerly 371) Discrete and continuous probability distributions, moments and mathematical expectation, moment generating functions, conditional probability and expectation, and multivariate distributions. Prerequisite: Credit or co-registration in MATH 2212. 3 semester credit hours. Typically offered: Fall Term.

MATH 3385 Introduction to Modern Cryptology. (Formerly 385) 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 asymmetric (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". Prerequisite "C" or better in MATH 2212 or MATH 2240. 3 semester credit hours. Engaged Learning. Typically offered: Spring Term, Even Years.

MATH 3390 Selected Topics. (Formerly 390) 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. 3 semester credit hours. *Department Consent Required. Course Repeatable. Maximum number of units allowed 6.*

MATH 3395 Independent Study. (Formerly 395) Designed to encourage superior students to continue the study of mathematics beyond the scope of undergraduate course offerings, through guided independent study. 1-3 semester credit hours. *Department Consent Required. Course Repeatable. Maximum number of units allowed 6.*

MATH 3397 Mathematical Research. (Formerly 397) Original research in mathematics or mathematics education conducted under the supervision of a faculty member. Prerequisite: "C" or better in MATH 2211 or MATH 224. 1-3 semester credit hours. Engaged Learning. Typically offered: Periodically. *Department Consent Required. Course Repeatable. Maximum number of units allowed 5.*

MATH 4331 Abstract Algebra I. (Formerly 331) Rings and elementary theory of rings: internal domains, fields, homomorphism, isomorphism, polynomial rings, quotient rings and ideals. We will also include an introduction to other algebraic groups and the elementary theory of groups: subgroups, isomorphism, Lagrange's theorem, normal subgroups and quotient groups. Prerequisite: "C" or better in Math 2212 and Math 2240 or Math 3300. 3 semester credit hours. Typically offered: Fall Term, Odd Years.

MATH 4332 Abstract Algebra II. (Formerly 332) Euclidean Domains, Principal Ideal Domains, Unique Factorization domains, Field Extensions, Galois Theory, and Sylow Theorems. Other topics on application of abstract algebra will also be included. Prerequisite: "C" or better in MATH 4331. 3 semester credit hours. Writing Int and Engaged Learn. Typically offered: Spring Term, Even Years.

MATH 4341 Real Analysis I. (Formerly 341) Topological properties of Euclidean spaces, limits of sequences and functions and continuity and differentiability for functions of one variable. Prerequisite: "C" or better in MATH 2212, and "C" or better in MATH 2240 or MATH 3300. 3 semester credit hours. Typically offered: Fall Term, Even Years.

MATH 4342 Real Analysis II. (Formerly 342) Integrability, sequences of functions and infinite series. Prerequisite: "C" or better in MATH 4341. 3 semester credit hours. Engaged Learning. Typically offered: Spring Term, Odd Years.

MATH 4373 Probability and Statistics II. (Formerly 373) Sampling distributions, estimation, tests of hypotheses, least squares regression, correlation, introduction to Bayesian analysis and analysis of variance. Prerequisite "C" or better in Math 3371. 3 semester credit hours. Writing Int and Engaged Learn. Typically offered: Spring Term, Odd Years.

MATH 4390 Selected Topics. Lectures on miscellaneous 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 is from a completely new area. Prerequisites will include Math 3300 3 semester credit hours. Typically offered: Periodically. *Course Repeatable. Maximum number of units allowed 6.*

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MATH 4395 Independent Study. Designed to encourage superior students to continue the study of mathematics beyond the scope of undergraduate course offerings, through guided independent study. 1-3 semester credit hours. Typically offered: Periodically. *Course Repeatable. Maximum number of units allowed 6.*

MATH 95 Intermediate Algebra. Topics include real numbers, linear equations, exponent, polynomials, rational expressions, radicals, and quadratic equations. Prerequisite: Placement exam (Traditional Students Only). Maximum number of units allowed 5.3 semester credit hours. Typically offered: Fall and Spring Terms.

Mechanical, Materials & Aerospace Engineering

MMAE 3302 Adv Mechanics of Solids. (Formerly 302) IIT course. 3 semester credit hours. *Department Consent Required.*

MMAE 3304 Mechanics of Aerostructures. (Formerly 304) Offered through IIT. 3 semester credit hours.

MMAE 3332 Design Of Machine Elements. (Formerly 332) IIT course. 3 semester credit hours.

MMAE 3352 Aerospace Propulsion. (Formerly 352) Offered through IIT. 3 semester credit hours.

MMAE 3372 Aerospace Materials. (Formerly 372) IIT Course. 3 semester credit hours. *Department Consent Required.*

MMAE 4410 Aircraft Flight Mechanics. (Formerly 410) IIT course. 3 semester credit hours. *Department Consent Required.*

MMAE 4411 Spacecraft Dynamics. (Formerly 411) IIT course. 3 semester credit hours. *Department Consent Required.*

MMAE 4412 Spacecraft Design I. (Formerly 412) IIT Course. 3 semester credit hours. *Department Consent Required.*

MMAE 4414 Aircraft Design I. (Formerly 414) IIT Course. 3 semester credit hours. *Department Consent Required.*

MMAE 4415 Aerospace Laboratory. (Formerly 415) Offered through IIT. 4 semester credit hours.

MMAE 4445 Computer-Aided Design. (Formerly 445) IIT course. 3 semester credit hours.

MMAE 4491 Undergraduate Research. (Formerly 491) IIT course. 1-4 semester credit hours.

Medical Humanities

MDHM 2200 Introduction to Medical Humanities. (Formerly 200) Provides an introduction to the interdisciplinary fields of study that characterize the discipline, as well as to the Benedictine major program. May be cross-listed with another class. Required for all Medical Humanities majors. Counts as Learning Community (LC). 3 semester credit hours. Typically offered: Spring Term.

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MDHM 4399 Medical Humanities. (Formerly 399) Group or independent research and coursework to culminate in a senior project with a hands-on experiential or service component. Required for all Medical Humanities majors. Requires senior Medical Humanities majors to work with and mentor students in MDHM 2200. 3 semester credit hours. Writing Int and Engaged Learn. Typically offered: Periodically.

Military Science

MSCI 1101 Foundations of Officership. (Formerly 101) 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 credit hours.

MSCI 1102 Basic Leadership. (Formerly 102) 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 credit hours. Typically offered: Annually.

MSCI 1123 Military Science Leadership Lab. (Formerly 123) 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. Engaged Learning.

MSCI 2201 Individual Leadership Studies. (Formerly 201) 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 principles of leadership, and be prepared to intensify the practical application of their studies during the Advanced Course. 2 semester credit hours. *Department Consent Required.*

MSCI 2202 Leadership and Teamwork. (Formerly 202) 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 credit hours. *Department Consent Required.*

MSCI 2211 American Military History. (Formerly 211) 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 credit hours. *Department Consent Required.*

MSCI 2225 Leader's Training Course (LTC). (Formerly 225) 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 credit hours. Engaged Learning. *Department Consent Required.*

MSCI 3301 Leadership and Problem Solving. (Formerly 301) 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 credit hours. *Department Consent Required.*

MSCI 3302 Leadership and Ethics. (Formerly 302) A continuation of MSCI 3331 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 credit hours. *Department Consent Required.*

MSCI 3335 National Advanced Leadership Camp (NALC). (Formerly 335) 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 3302. (Optional four hours credit incurs special tuition charge.) 4 semester credit hours. *Department Consent Required.*

MSCI 4401 Leadership and Management. (Formerly 401) Focusing on leadership, management, and ethics, MSCI 4401 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

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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 credit hours. *Department Consent Required.*

MSCI 4402 Officership. (Formerly 402) A continuation of MSCI 3303, MSCI 3304 completes the transition from cadet to lieutenant. As a follow-on to the Ethics instruction in MSCI 3303, 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 credit hours. *Department Consent Required.*

Music

MUSI 1100 Introduction to Music Theory, Composition and Performance. (Formerly 100) 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 or ensemble music courses. 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 credit hours. Artistic/Creative MOI.

MUSI 1101 Music Theory I. (Formerly 101) 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 1112 and MUSI 1194 required for music majors. Co-registration MUSI 1112 required for music minors. 3 semester credit hours. Typically offered: Fall Term. *Department Consent Required.*

MUSI 1102 Music Theory II. (Formerly 102) Works with basic theoretical elements applying them to harmonization and simple modulations. Introduces simple forms including binary and ternary. Co-registration with MUSI 1113 and MUSI 1195 are required. 3 semester credit hours. Typically offered: Spring Term. *Department Consent Required.*

MUSI 1103 Jazz Appreciation. (Formerly 103) 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 musical development from pre-Civil War through the 20th century. The basic elements of music that distinguish jazz from other musical genres will be explored. The course will also cultivate an appreciation of the major figures within jazz (such as Armstrong, Parker, Ellington, Monk, Davis and Coltrane) and their stylistic innovations as well as their contributions to American culture. 3 semester credit hours. Artistic/Creative MOI.

MUSI 1104 Music Appreciation: Medieval to Contemporary. (Formerly 104/200) 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

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demonstrations of the basic musical elements and performing media. 3 semester credit hours. Artistic/Creative MOI. Typically offered: Periodically.

MUSI 1105 Music Appreciation: Medieval to Baroque. (Formerly 105) Eight-week modular course. 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. Student cannot receive credit for MUSI 1105 or 1106 if MUSI 1104 has been completed. 2 semester credit hours. Artistic/Creative MOI. 2 semester credit hours. Artistic/Creative MOI.

MUSI 1106 Music Appreciation: Classical to Contemporary. (Formerly 106) Eight-week modular course. 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. Student cannot receive credit for MUSI 1105 or 1106 if MUSI 1104 has been completed. 2 semester credit hours. Artistic/Creative MOI. 2 semester credit hours. Artistic/Creative MOI.

MUSI 1107 Music Appreciation for Educators. (Formerly 107) This course is designed to provide candidates with opportunities for focused study regarding the educational, communicative, and aesthetic value of dance, drama, music, and visual art, and the role fine arts play in reflecting history and culture. Through an exploration of the history of Western Music and the intersection of dance, drama, and visual art with each of its eras, the course fosters a candidate's agency in promoting all students' ability to express themselves creatively using salient concepts, techniques, and materials in the arts. It also offers access to a variety of ways of taking full advantage of fine arts participation, including detailed explanations, demonstrations, and activities in several types of performing media. 3 semester credit hours. Artistic/Creative MOI. Typically offered: Periodically. *Department Consent Required.*

MUSI 1112 Aural Skills I. (Formerly 112) 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. Co-registration with MUSI 1101 and MUSI 1194. 1 semester credit hour. Typically offered: Fall Term. *Department Consent Required.*

MUSI 1113 Aural Skills II. (Formerly 113) 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 1101/1112 or proficiency. Co-registration with MUSI 1102 required. 1 semester credit hour. *Department Consent Required.*

MUSI 1120 Wind Ensemble. (Formerly 120) Wind Ensemble is a music ensemble dedicated to the study and performance of advanced music literature. Students will perform masterworks from the great composers, spanning medieval to contemporary style periods. The course will emphasize the application of advanced performance techniques, including those learned in applied lessons, music theory, history, ear training, and other large ensemble courses. 1 semester credit hour. Typically offered: Periodically. *Department Consent Required.* Typically offered: Periodically. *Department Consent Required. Course Repeatable. Maximum number of units allowed 14.*

MUSI 1121 Concert Band. (Formerly 121) 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.

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Engaged Learning, QCA. Typically offered: Fall and Spring Terms. *Department Consent Required. Course Repeatable. Maximum number of units allowed 14.*

MUSI 1122 Concert Choir. (Formerly 122) A performing ensemble utilizing practical work and study of choral literature of all periods of music in concerts each semester. Engaged Learning, QCA. Typically offered: Fall and Spring Terms. *Department Consent Required. Course Repeatable. Maximum number of units allowed 14.*

MUSI 1123 University Chorale: Popular and Traditional Choir Literature. (Formerly 123) A performing ensemble utilizing practical work and study of choral literature of all periods and styles of music in concerts each semester. Engaged Learning, QCA. Typically offered: Fall and Spring Terms. *Department Consent Required. Course Repeatable. Maximum number of units allowed 14.*

MUSI 1125 Chamber Music Ensemble. (Formerly 125) 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 2000 or 3000 level applied music. 1 semester credit hour. *Course Repeatable. Maximum number of units allowed 14.*

MUSI 1128 Jazz Ensemble. (Formerly 128) A performing ensemble dedicated to the standards of the jazz repertoire, improvisation, and ensemble skills. Prerequisite: Audition required. Concurrent registration in applied instruction with an emphasis in jazz techniques. Engaged Learning, QCA. *Department Consent Required. Course Repeatable. Maximum number of units allowed 14.*

MUSI 1129 Chamber Orchestra. (Formerly 129) A performing ensemble utilizing practical work and study of the orchestral literature of all periods of music in concerts each semester. Artistic and Creative Mode of Inquiry (QCA). Engaged Learning, QCA. Typically offered: Fall and Spring Terms. *Department Consent Required. Course Repeatable. Maximum number of units allowed 14.*

MUSI 1130 Woodwind Methods. (Formerly 130) 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, middle, and high schools levels. Students are required to perform basic pieces to show their competency in each of the instruments. 2 semester credit hours. *Department Consent Required.*

MUSI 1131 Brass and Percussion Methods. (Formerly 131) 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 school levels. Students are required to perform basic pieces to show their competency in each of the instruments. 2 semester credit hours. *Department Consent Required.*

MUSI 1132 String Methods. (Formerly 132) 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, middle, and high school levels. Students are required to perform basic pieces to show their competency in each of the instruments. 2 semester credit hours. *Department Consent Required.*

MUSI 1133 Vocal Methods. (Formerly 133) 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, middle, and high school levels. Students are required to perform basic pieces to show their competency in each of the instruments. 2 semester credit hours. *Department Consent Required.*

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MUSI 1140 Applied Instrumental: Non-Keyboard. (Formerly 140) 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 may enroll in 1000-level applied instruction. Advancement into 2000- and 3000-level applied instruction occurs through placement and proficiency testing. Music majors will enter at the 2000-level applied instruction. Advancement into the 3000-level will occur through placement and proficiency testing. 1 semester credit hour. *Course Repeatable. Maximum number of units allowed 4.*

MUSI 1144 Applied Keyboard. (Formerly 144) 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 may enroll in 1000-level applied instruction. Advancement into 2000- and 3000-level applied instruction occurs through placement and proficiency testing. Music majors will enter at the 2000-level applied instruction. Advancement into the 3000-level will occur through placement and proficiency testing. 1 semester credit hour. *Course Repeatable. Maximum number of units allowed 4.*

MUSI 1148 Applied Voice. (Formerly 148) 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 may majors enroll in 1000-level applied instruction. Advancement into 2000- and 3000-level applied instruction occurs through placement and proficiency testing. Music majors will enter at the 2000-level applied instruction. Advancement into the 3000-level will occur through placement and proficiency testing. 1 semester credit hour. *Course Repeatable. Maximum number of units allowed 4.*

MUSI 1194 Keyboard Skills I. (Formerly 194) Class instruction in Piano: For music majors or minors who need to fulfill their keyboard requirements as part of their degree programs. 1 semester credit hour. *Department Consent Required. Course Repeatable. Maximum number of units allowed 14.*

MUSI 1195 Keyboard Skills II. (Formerly 195) To be taken after the completion of MUSI 1194. Prerequisite: MUSI 1194. 1 semester credit hour. Typically offered: Spring Term. *Department Consent Required.*

MUSI 1207 World Music. (Formerly 207) 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. 3 semester credit hours. Typically offered: Fall Term.

MUSI 1209 The Psalms. (Formerly 209) 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 credit hours.

MUSI 2201 Theory III. (Formerly 201) An advanced theory course designed to cover chordal structures, formal analyses, development of aural skills, inversions, non-diatonic harmony, and sight-singing. Prerequisite: MUSI 1102. Co-registration with MUSI 2212 required. 3 semester credit hours. Typically offered: Fall Term. *Department Consent Required.*

MUSI 2202 Music Theory IV. (Formerly 202) A continuation of MUSI 2201 with emphasis on twentieth century procedures and theoretical concepts. Co-registration with MUSI 2213 required. 3 semester credit hours. Typically offered: Spring Term. *Department Consent Required.*

MUSI 2204 Music Literature. (Formerly 204) 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

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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. 1 semester credit hour. Typically offered: Spring Term. *Department Consent Required.*

MUSI 2212 Aural Skills III. (Formerly 212) 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 1101/1112 and 1102/1113 or proficiency. Co-registration with MUSI 2201 recommended. 1 semester credit hour. Typically offered: Fall Term. *Department Consent Required.*

MUSI 2213 Aural Skill IV. (Formerly 213) 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. Prerequisites: MUSI 1101/1112, 1102/1113, and 2201/2212 or proficiency testing. Co-registration with MUSI 2202 required. 1 semester credit hour. Typically offered: Spring Term.

MUSI 2218 Music and the Mind. (Formerly 218) This course combines popular and academic sources in an overview of writers, thinkers and researchers and their viewpoints regarding what it means to be musical. Special focus will be given to how people think and act musically. 3 semester credit hours. Typically offered: Fall Term, Odd Years.

MUSI 2241 Sophomore Year Observation Experience. (Formerly 241) 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 Middle 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.

MUSI 2244 Applied Keyboard. (Formerly 244) 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 1000-level applied instruction. Advancement into 2000- and 3000-level applied instruction occurs through placement and proficiency testing. Music majors will enter at the 2000-level applied instruction. Advancement into the 3000-level will occur through placement and proficiency testing. 2 semester credit hours. *Department Consent Required. Course Repeatable. Maximum number of units allowed 4.*

MUSI 2248 Applied Voice. (Formerly 248) 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 1000-level applied instruction. Advancement into 2000- and 3000-level applied instruction occurs through placement and proficiency testing. Music majors will enter at the 2000-level applied instruction. Advancement into the 3000-level will occur through placement and proficiency testing. 2 semester credit hours. *Department Consent Required. Course Repeatable. Maximum number of units allowed 8.*

MUSI 2291 Topics. (Formerly 291) Special course focusing on topics related to the needs and interests of the student. Topics to include areas of music literature, theory, and pedagogy. 1-3 semester credit hours. Typically offered: Periodically.

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MUSI 3205 Music History I. (Formerly 205) 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. Prerequisite: MUSI 1101. 3 semester credit hours. Typically offered: Fall Term. *Department Consent Required.*

MUSI 3206 Music History II. (Formerly 206) 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. Prerequisite: MUSI 1102, MUSI 3205. 3 semester credit hours. Typically offered: Spring Term. *Department Consent Required.*

MUSI 3240 Applied Instrumental: Non-Keyboard. (Formerly 240) 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 1000-level applied instruction. Advancement into 2000- and 3000-level applied instruction occurs through placement and proficiency testing. Music majors will enter at the 2000-level applied instruction. Advancement into the 3000-level will occur through placement and proficiency testing. 2 semester credit hours. *Department Consent Required. Course Repeatable. Maximum number of units allowed 4.*

MUSI 3242 Junior Year Observation Experience. (Formerly 242) 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 Middle school 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.

MUSI 3303 Technology for Music Teachers. (Formerly 303) 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 credit hours. *Department Consent Required.*

MUSI 3340 Applied Instrumental: Non-Keyboard. (Formerly 340) 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 1000-level applied instruction. Advancement into 2000- and 3000-level applied instruction occurs through placement and proficiency testing. Music majors will enter at the 2000-level applied instruction. Advancement into the 3000-level will occur through placement and proficiency testing. 2 semester credit hours. *Department Consent Required. Course Repeatable. Maximum number of units allowed 4.*

MUSI 3342 Senior Year Observation Experience. (Formerly 342) 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.

MUSI 3344 Applied Keyboard. (Formerly 344) 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 1000-level applied instruction. Advancement into 2000- and 3000-level applied instruction occurs through placement and proficiency testing. Music majors will enter at the 2000-level applied instruction. Advancement

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into the 3000-level will occur through placement and proficiency testing. 2 semester credit hours. *Department Consent Required. Course Repeatable. Maximum number of units allowed 4.*

MUSI 3348 Applied Voice. (Formerly 348) 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 1000-level applied instruction. Advancement into 2000- and 3000-level applied instruction occurs through placement and proficiency testing. Music majors will enter at the 2000-level applied instruction. Advancement into the 3000-level will occur through placement and proficiency testing. 2 semester credit hours. *Department Consent Required. Course Repeatable. Maximum number of units allowed 8.*

MUSI 3351 Principles and Procedures in Music Education. (Formerly 351) 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 credit hours.

MUSI 3352 Instrumental and Choral Conducting. (Formerly 352) 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 credit hours.

MUSI 3353 Instrumental and Choral Ensemble Literature. (Formerly 353) 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 2202 3 semester credit hours.

MUSI 3354 Teaching K-12 Classroom. (Formerly 354) 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 credit hours.

MUSI 4250 Junior Recital. (Formerly 250) 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 2000 level and consent of department. 1 semester credit hour. *Department Consent Required.*

MUSI 4350 Senior Recital. (Formerly 350) 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. Prerequisite: MUSI 4250. Co-registration with Applied Music at the 3000 level. 2 semester credit hours. *Department Consent Required.*

MUSI 4360 Senior Seminar: Professional Portfolio. (Formerly 360) 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. Prerequisite: Junior Standing 3 semester credit hours. Writing Intensive Course. Typically offered: Spring Term.

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MUSI 4365 Senior Seminar: The Portfolio Experience. (Formerly 365) 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. Prerequisite: Junior Standing. Engaged Learning. Typically offered: Spring Term. *Department Consent Required.*

MUSI 4391 Topics. (Formerly 391) 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. Typically offered: Fall and Spring Terms. *Department Consent Required. Course Repeatable. Maximum number of units allowed 6.*

MUSI 4397 Internship. (Formerly 397) 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. 2-6 semester credit hours. Engaged Learning. Typically offered: Fall, Spring and Summer Terms. *Department Consent Required.*

MUSI 4398 Student Teaching. (Formerly 398) 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 credit hours. Engaged Learning. *Department Consent Required.*

Natural Sciences

NTSC 1111 Contemporary Biology. (Formerly 111) 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 1110 or equivalent. 3 semester credit hours. Life-Scientific MOI. Typically offered: Fall Term.

NTSC 1112 Contemporary Physical Science. (Formerly 112) 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. Prerequisite: MATH 1110 or equivalent. 3 semester credit hours. Physical-Scientific MOI. Typically offered: Spring Term.

NTSC 2200 Learning Assistant Pedagogy Seminar. (Formerly 200) Learning Assistant Pedagogy Seminar. This course helps Learning Assistants integrate educational theory, pedagogy, content and practice. Co-registration

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in LCOM 2251. Engaged Learning. Typically offered: Fall, Spring and Summer Terms. *Department Consent Required.*

NTSC 3397 College of Science Research Techniques. (Formerly 397) This is a zero credit research course training students in the skills needed for research or museum projects in the natural sciences. Typically offered: Fall, Spring and Summer Terms. *Department Consent Required. Course Repeatable. Maximum number of units allowed 0.*

NTSC 4398 College of Science Research. (Formerly 398) This is a zero credit hour class which outlines the duties of the students who participate in the College of Science Research Program. Only a Pass/Fail grade will be given. Students who successfully complete the requirements will receive a passing grade. Students will sign up for the class at the beginning of summer and the grade will be posted when all requirements are completed. The latest assignments of grades will be in the spring semester of the following year. Engaged Learning. Typically offered: Summer Term. *Department Consent Required. Course Repeatable. Maximum number of units allowed 0.*

NTSC 99 College of Science Success Seminar. Mandatory seminar for all majors who earn two W/D/F grades in CHEM 1108, CHEM1113, CHEM1123, BIOL1197, BIOL1198, or transfer students who earn one or more W/D/F in science lectures. Students will examine classroom success strategies, explore campus resources and practice effective study techniques. Specific instruction in chemistry, mathematics, and reading biology texts for comprehension will be given. A framework will be built for future success not only as a student, but as a member of the Benedictine Community. Typically offered: Spring Term. *Department Consent Required.*

Nuclear Medicine Technology

NMTC 4331 Management and Methods of Patient Care I. (Formerly 331) 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: Must be accepted into the Nuclear Medicine Technology Program. 3 semester credit hours. *Department Consent Required.*

NMTC 4332 Radiation Safety & Protection. (Formerly 332) 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 credit hours.

NMTC 4333 Radiation Physics and Instrumentation. (Formerly 333) 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). Prerequisite: Must be accepted into the Nuclear Medicine Technology Program. 3 semester credit hours. *Department Consent Required.*

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NMTC 4334 Diagnostic Nuclear Imaging Clinical Practicum I. (Formerly 334) 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. Prerequisite: Must be accepted into the Nuclear Medicine Technology Program. 4 semester credit hours. Engaged Learning. *Department Consent Required.*

NMTC 4335 Clinical Nuclear Medicine Procedures I. (Formerly 335) 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. Prerequisite: Must be accepted into the Nuclear Medicine Technology Program. 3 semester credit hours. *Department Consent Required.*

NMTC 4336 Radionuclide Chemistry and Radiopharmacy. (Formerly 336) 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 credit hours.

NMTC 4337 Radiation Biology. (Formerly 337) 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. Prerequisite: Must be accepted into the Nuclear Medicine Technology Program. 1 semester credit hour. *Department Consent Required.*

NMTC 4339 Clinical Correlation-Pathology. (Formerly 339) 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. Prerequisite: Must be accepted into the Nuclear Medicine Technology Program. 2 semester credit hours. Typically offered: Annually. *Department Consent Required.*

NMTC 4340 Radiation Detection & Instrumentation. (Formerly 340) 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. Prerequisite: Must be accepted into the Nuclear Medicine Technology Program. 3 semester credit hours. *Department Consent Required.*

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NMTC 4342 Management and Methods of Patient Care II. (Formerly 342) Prerequisite: Must be accepted into the Nuclear Medicine Technology Program. 1 semester credit hour. Typically offered: Annually. *Department Consent Required.*

NMTC 4344 Diagnostic Nuclear Imaging Clinical Practicum II. (Formerly 344) Prerequisite: Must be accepted into the Nuclear Medicine Technology Program. 4 semester credit hours. Engaged Learning. *Department Consent Required.*

NMTC 4345 Clinical Nuclear Medicine Procedures II. (Formerly 345) Prerequisite: Must be accepted into the Nuclear Medicine Technology Program. 3 semester credit hours. Typically offered: Annually. *Department Consent Required.*

NMTC 4348 Computed Tomography and Cross-Sectional Anatomy. (Formerly 348) Prerequisite: Must be accepted into the Nuclear Medicine Technology Program. 2 semester credit hours. Typically offered: Annually. *Department Consent Required.*

NMTC 4349 Medical Terminology. (Formerly 349) Prerequisite: Must be accepted into the Nuclear Medicine Technology Program. 1 semester credit hour. Typically offered: Annually. *Department Consent Required.*

Nursing and Health

NRHL 2250 Statistics. (Formerly 250) Basic course in statistical techniques which includes measures of central tendency, probability, sampling, estimation and hypothesis testing. For nursing majors. 3 semester credit hours. Typically offered: Fall, Spring and Summer Terms.

NRHL 3315 Perspectives of Professional Nursing Practice. (Formerly 315) Explores the conceptual foundations of baccalaureate nursing practice including historical and societal influences, professional identity and accountability, critical inquiry, nursing theory, evidence-based practice, and quality and safety within the context of national policy documents and professional standards of care. Coursework is designed to assess, develop, and advance scholarly writing. Prerequisite: Eligibility for enrollment into RN to BSN NRHL Cohort Course Sequence. 4 semester credit hours. Writing Intensive Course. Typically offered: Fall and Spring Terms.

NRHL 3330 Nursing Scholarship: Role of Research in Evidence Based Practice. (Formerly 330) Explores the research process as it applies to evidence-based nursing practice and health care. Topics include ethics in research; steps in appraisal of evidence; design, sampling, data collection, data quality, and analysis; and interpretation of quantitative and qualitative research. Emphasis is placed on analysis and critique of research studies and the preparation of a proposal. Prerequisite: NRHL 3315. 3 semester credit hours. Typically offered: Fall, Spring and Summer Terms.

NRHL 3335 Concepts in Collaborative Health Promotion and Disease Prevention for the Older Adult. (Formerly 335) Focuses on an interdisciplinary comprehensive approach to understanding the aging process and promoting optimal health and independence of older adults. Contemporary issues facing the elderly including safety, abuse, polypharmacy, housing, loss, need for support services, end-of-life care, and the impact of health care policy and legislation as they relate to the elderly are explored. Includes clinical learning experiences with an elder and elder-serving agency selected by the student. Prerequisite: NRHL 3315. 3 semester credit hours. Engaged Learning. Typically offered: Fall, Spring and Summer Terms.

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NRHL 3340 Comprehensive Health and Physical Assessment. (Formerly 340) Designed for the registered nurse, this course provides the framework for the RN to expand existing skills. The course focuses on the physical, psychosocial, sociocultural, environmental, and developmental elements of comprehensive assessment and on principles of health promotion and disease prevention. Includes a clinical learning experience, which focuses on the practice and validation of interviewing and physical assessment skills. At the end of the course, students will be expected to perform a comprehensive physical exam and effectively communicate findings. A student selected holistic health assessment experience is also included. Prerequisite: NRHL 3315. 3 semester credit hours. Engaged Learning. Typically offered: Fall, Spring and Summer Terms.

NRHL 3345 Applications of Pathophysiology and Pharmacotherapeutics to Clinical Reasoning. (Formerly 345) Designed for the registered nurse to build upon existing knowledge and experience, this course provides an analysis of physiology and pathophysiological concepts related to complex, multisystem health alterations across the lifespan. Emphasis is placed on enhancement of critical thinking skills. Clinical application emphasizes the relationship of assessment findings to diagnosis, safe selection, and administration of pharmacotherapeutic agents; and assessment of outcomes using an evidence-based approach. This course also includes a clinical learning experience that is based on case study analyses of patients with multiple chronic diseases and complex pharmacotherapeutic management in various settings. Prerequisite: NRHL 3315. 3 semester credit hours. Engaged Learning. Typically offered: Fall, Spring and Summer Terms.

NRHL 4365 Health Promotion for Families, Communities, and Populations. (Formerly 365) Explores the concept of patient-centered health care promotion from the perspective of the individual, family, and community within a global context. Provides an in-depth review of approaches to health promotion as well as effective collaboration among members of the health care community. Focuses on potential barriers that place individuals, families, and vulnerable populations at risk for major health problems. Students explore the problems and issues in using behavioral and social science theories, concepts, and data to inform health promotion and health education research and interventions. Prerequisite: NRHL 3330, NRHL 3335, NRHL 3340 and NRHL 3345. Completion of this course; in addition to NRHL 4392 with a grade of "B" or better is required to waive enrollment in NRHL 5501 for students admitted into the Benedictine University MSN Program. 3 semester credit hours. Global Course. Typically offered: Fall, Spring and Summer Terms.

NRHL 4366 Professional Practice in Health Promotion. (Formerly 366) Emphasis is based on community as a partner, through community assessment, evolving cultural competency, enhanced understanding of health disparities, and use of community resources and evidence based practice to promote and maintain optimal health. This course includes 35 hours of clinical practice experiences in the community. Prerequisite or co-requisite: NRHL 4365. 3 semester credit hours. Engaged Learning. Typically offered: Fall, Spring and Summer Terms.

NRHL 4375 Healthcare Policy, Regulation and Advocacy. (Formerly 375) Provides an overview of health care policy, organization, and financing with emphasis on industry trends. Current policy initiatives involving health care delivery as well as the role of the nurse leader and other stakeholders in shaping legislative change are analyzed. The impact of information and patient care technology and its effects on healthcare will be evaluated. Students will explore and define the role of the professional nurse in influencing and advocating for continuous quality improvement in healthcare delivery and healthcare policy formation. Prerequisite: NRHL 3330, 3335, 3340 and 3345. Completion of this course with a grade of "B" or better is required to waive enrollment in NRHL 5505 for students admitted into the Benedictine University MSN Program. 3 semester credit hours. Typically offered: Fall, Spring and Summer Terms.

NRHL 4392 Nurse Leadership and Interprofessional Collaboration. (Formerly 392) Provides the registered nurse with the opportunity to synthesize theory and concepts required to advance leadership and collaboration skills. A systems approach to deliver nursing care, manage and lead change, ensure quality and safety, and facilitate health promotion will be explored. Focus is placed on developing appreciation for the diversity of expertise in interprofessional collaborative teams as well as establishing basic concepts of effective teamwork. Prerequisite: IDS 2201-2204, IDS 3301-3304, NRHL 4365, 4366 and 4375. Completion of this course; in addition to NRHL 4365 with a grade of "B" or better is required to waive enrollment in NRHL 5501 for students admitted into the Benedictine University MSN Program. 3 semester credit hours. Typically offered: Fall, Spring and Summer Terms.

NRHL 4394 Professional Practice in Leadership and Interprofessional Collaboration. (Formerly 394) Emphasis is placed on development of creative and innovative strategies and education to promote healthcare system change. Students demonstrate application of leadership skills and interprofessional collaboration through the completion of an immersion experience. This course includes 35 hours of clinical practice experience in a nursing leadership role. Prerequisite or co-requisite: NRHL 4392. 3 semester credit hours. Engaged Learning. Typically offered: Fall, Spring and Summer Terms.

NRHL 4395 Nursing Elective. (Formerly 395) Guides and recognizes study in theoretical or clinical aspects of nursing for independent study or work/life credit. Prerequisite: NRHL 3330 for independent study credit. Admission into the RN to BSN program for work/life credit. 1-3 semester credit hours. Typically offered: Fall, Spring and Summer Terms. *Department Consent Required. Course Repeatable. Maximum number of units allowed 3.*

Nutrition

NUTR 1150 Food Service Sanitation. (Formerly 150) 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, and safety related to food, personnel, and consumers. At the completion of the course, students take the sanitation certificate exam. Prerequisites: Must be NTRDIETMAJ or UNPDMAJ or NUTR or FDNTMGTMMAJ. 1 semester credit hour. Typically offered: Fall Term.

NUTR 1191 Topics. Coverage of topics in nutritional sciences, with a focus on personal applications of principles for optimal health. Topics may change so the course can be repeated for credit. 3 semester credit hours. Life-Scientific MOI. Typically offered: Periodically. *Course Repeatable. Maximum number of units allowed 12.*

NUTR 2200 Nutritional Science. (Formerly 200) An integrated approach to the study of the requirements and functions of nutrients that are determinants of health and disease in human populations. 3 semester credit hours. Life-Scientific MOI. Typically offered: Fall, Spring and Summer Terms.

NUTR 2201 Nutrition in Health and Exercise. (Formerly 201) An integrated approach to the study of the requirements and functions of nutrients, with particular attention to applications in sports. Prerequisite on Lisle Campus: Physical Education or ESS major with at least Sophomore standing by credit hours. 3 semester credit hours. Life-Scientific MOI. Typically offered: Fall Term.

NUTR 2220 Mediterranean Diet: Relationship to Health and Culture. (Formerly 220) This course involves online coursework prior to the trip, and experience on ground in Florence, Italy. We will investigate the

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evolution, characteristics, and health benefits of the Mediterranean Diet using Italian cuisine as a case study. The course will explore the scientific link between the dietary pattern and health outcomes, as well as how constituent foods historically and currently are produced and prepared. The course will also explore the culture's role in dietary habits and culinary practices. Class methods will employ lecture, discussions, tastings, cooking classes, and tours and excursions to food production/processing and cultural sites in Florence, Rome, and the region of Tuscany. This course is applying for the co-curricular designation as a QLS, global, sustainability, engaged learning and learning communities course. 4 semester credit hours. G, Su, LC, EL, QLS. Typically offered: Spring Term.

NUTR 2242 Introduction to the Health and Nutrition Professions. (Formerly 242) An overview of the profession that will cover scope of practice, code of ethics, resources for evidence-based practice, professional organizations, career options, professional development, and professional trends for dietetics, nutrition, and health education professionals. 1 semester credit hour. Typically offered: Fall Term.

NUTR 2245 Food Science Laboratory. (Formerly 245) Techniques of food preparation. Applied sensory and physiochemical examination of study of the composition, structure, and functional properties of carbohydrates, proteins, and fats. Prerequisite: Major in UNPDMAJ, NUTR, NTRDIETMAJ, or FDNTRMGTMMAJ. Lab fee: \$170.00 1 semester credit hour. Typically offered: Fall and Spring Terms.

NUTR 2250 Foodservice Operations. (Formerly 250) This course presents the following foodservice principles and processes to deliver quality services: menu planning, purchasing, procurement, production, distribution and service, quality improvement, and layout and design. Prerequisite: Credit or co-registration in NUTR 1150; and credit or co-registration in NUTR 3241 or 3244. Lisle campus only. 3 semester credit hours. Typically offered: Fall Term.

NUTR 2291 Topics. Coverage of topics in nutritional sciences and its relationship to health maintenance and disease prevention. Topics may change so the course can be repeated for credit. 1-3 semester credit hours. Life-Scientific MOI. Typically offered: Periodically. *Course Repeatable. Maximum number of units allowed 12.*

NUTR 2298 Cultural Foods. (Formerly 298) 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, health and behaviors, social conventions, religious practices, and individual and group ways of living. Laboratory component provides exposure to traditional foods and food preparation techniques. Lab fee: \$170.00. Prerequisite: NUTR 3244 and 2245. 3 semester credit hours. Global Course. Typically offered: Fall Term.

NUTR 2364 Food Systems and Policy. (Formerly 364) An evidence-based exploration of the food system's interrelationships with public health, nutrition, the environment, equity, and society. Topics concerning food production, global markets, labor practices, policy and politics, food manufacturing practices and marketing techniques will be examined. This course includes identification of areas of concern and challenges, discussion of policies, advocacy, and action opportunities, identification of personal opportunities for stewardship, and development of intervention strategies. Prerequisite: WRIT 1101 and 1102; 3 semester credit hours. Sustainability. Typically offered: Fall and Spring Terms.

NUTR 3244 Food Science. (Formerly 244) 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. Prerequisite: CHEM 1101 or CHEM 1123 or NUTR2245. 3 semester credit hours. Typically offered: Fall Term.

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NUTR 3246 Experimental Foods Laboratory. (Formerly 246) Experimental application of physiochemical behavior of food. Techniques of recipe development and recipe development research to meet special dietary requirements, including evaluation techniques. Prerequisite: NUTR 3244 and 2245. Lab fee: \$170. 1 semester credit hour. Typically offered: Fall Term.

NUTR 3280 Community Health and Nutrition Programs. (Formerly 280) Introduction to the role of the Public and Community Nutrition professional. Over view of health care policy, health care systems, and legislation, discussion of the legislative and regulatory basis of nutrition and dietetics practice, and advocacy. Discussion of current public health and nutrition problems, existing programs and other resources, health literacy, role of environment, and marketing for improving the health of the population, as well as application through development of an educational intervention for the community. Transportation may be required. Prerequisite: NUTR 2200, 2231 or 3241; or junior standing by credits with co-registration in NUTR 2200, 2231 or 3241, and consent. Cross-listed HLED 3280 and NUTR 2280. 3 semester credit hours. Typically offered: Spring Term.

NUTR 3290 Selected Topics in Nutrition. (Formerly 290) Special topics adjusted to the needs of the students. Topics may be changed so that the course may be repeated for credit. 1-3 semester credit hours. Typically offered: Periodically. *Course Repeatable. Maximum number of units allowed 18.*

NUTR 3295 Nutrition Teaching. (Formerly 295) Supervised teaching of nutrition in laboratories. Prerequisite: NUTR 3244, 2245, and 3246, or 2298; Nutrition majors only. 1 semester credit hour. Typically offered: Fall and Spring Terms. *Department Consent Required. Course Repeatable. Maximum number of units allowed 9.*

NUTR 3296 Community Health Practicum. (Formerly 296) Experience designed to meet interest of an individual student and serve a community need. Off-campus site. Transportation required. Prerequisite: Major in NTRDIETMAJ or HLEDPRMAJ or FDNTMGTMMAJ or UNPDMAJ. Additional coursework, credit, and GPA prerequisite are determined by nature of experience. May be repeated for credit. Liability fee: \$27.50. 1-3 semester credit hours. Typically offered: Periodically. *Department Consent Required. Course Repeatable. Maximum number of units allowed 18.*

NUTR 3300 Nutrition and Health Aspects of Disease. (Formerly 300) Pathophysiology and symptoms of chronic disease, with a focus on associations with inadequate/excess nutrition. Topics include cardiovascular disease, hypertension, diabetes, obesity, disordered eating, and malnutrition. Applications to clinical and community settings, as well as the pre-planning phase of health education program planning. Not for students accepted in the Nutrition and Dietetics major. (NOTE: cannot receive credit for both NUTR 3300 and 4371). Prerequisite: Grade of C or better in BIOL 1155, BIOL 3258, or BIOL 1157 and 1158. Grade of C or better in NUTR 2200, 2201, 2231 or 3241. 4 semester credit hours. Typically offered: Spring Term.

NUTR 3315 Nutritional Biochemistry and Metabolism. (Formerly 315) A study of the basic concepts of biochemistry applied to cellular metabolism of carbohydrates, lipids, amino acids, vitamins and co-factors. Emphasis is placed on metabolic pathways, the interrelationships of major nutrients and the relation of the metabolic processes to the overall nutritional health of an individual. Prerequisite: Grade of C or better in CHEM 1109; Grade of C or better in NUTR 3241; and Grade of C or better in BIOL 1158, 1198 or 3258. 3 semester credit hours. Typically offered: Fall Term.

NUTR 3391 Health Risk Assessment. (Formerly 391) 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. Transportation may be required. Prerequisite: Grade of C or better in BIOL 3258, or BIOL

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1157 and 1158, or BIOL 1155; NUTR 3241 and NUTR/HLED2280 or credit or co-registration in NUTR4371. Lab fee of \$170. 2 semester credit hours. Typically offered: Fall and Spring Terms.

NUTR 3395 Nutrition Counseling. (Formerly 395) Students learn principles and demonstrate techniques of effective interviewing, and counseling to facilitate behavior change. The course includes an introduction to coding and billing to obtain reimbursement for services. Prerequisite: Grade of C or better in HLED 3271. Grade of C or better in NUTR 3241. Credit or co-registration in NUTR 4371 or 4374. 2 semester credit hours. Typically offered: Spring Term.

NUTR 4297 Quantity Foods Practicum. (Formerly 297) 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. Prerequisite: Senior standing by credit hours earned; FDNTRMGTMAJ major; Grade of C or better all of the following courses: NUTR 1150, 3241, 2245, 2250, and HLED 3271; Credit or co-registration in NUTR 4350; and GPA of 2.500/4.0 or higher. Liability fee: \$27.50. *Department Consent Required.* Lisle campus only. 4 semester credit hours. Engaged Learning. Typically offered: Summer Term. *Department Consent Required.*

NUTR 4345 Science of Nutrition and Fitness. (Formerly 345) The course examines the metabolic and physiologic basis for macronutrient and micronutrient recommendations during training, competition/performance, and recovery. Includes disease applications, recommendations for targeted educational interventions, and case studies. Prerequisite: Grade of C or better in BIOL 3258, or BIOL 1157 and 1158. Grade of C or better in NUTR 2201, 2231 or 3241. Credit or co-registration in NUTR 3251 or NUTR 3315. Consent of Department Chairperson is required. Cross-listed as NTR/NUTR 5530. Online 3 semester credit hours. Typically offered: Periodically. *Department Consent Required.*

NUTR 4350 Food and Nutrition Services Management. (Formerly 350) This course presents the students with key concepts and applications of organization structure, and management theories and operational principles, including: fiscal control, budgeting and interpretation of financial data, performance measurements and continuous quality improvement, human resource and information management, and marketing. Prerequisite: NUTR 1150 and 2250. 3 semester credit hours. Typically offered: Spring Term.

NUTR 4371 Medical Nutrition Therapy I. (Formerly 371) Pathology, treatment and medical nutrition therapy of chronic and acute diseases and conditions, including those of the Gastrointestinal, Cardiovascular, Pulmonary, Respiratory, Urinary Systems, Diabetes, Trauma and Stress, Allergies, AIDS, and Cancer. Nutrition Support, along with related legal and ethical issues, is discussed. Includes nutrition assessment and diet prescription plans. (NOTE: cannot receive credit for both NUTR 3300 and 4371). Prerequisite: Grade of C or better in BIOL 3258, or BIOL 1157 and 1158. Grade of C or better in NUTR 3241. Credit or co-registration in NUTR 3315 or CHEM 3261. 4 semester credit hours. Typically offered: Fall Term.

NUTR 4372 Clinical Nutrition Case Studies. (Formerly 372) 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 and applies the Nutrition Care Process, including identification of nutrition-related problems, food and lifestyle health behaviors, development of clinical and education plan of care, and documentation techniques. Part of the course is supervised at an off-campus site. Transportation is required. Required at start of course: documentation of all vaccinations completed, TB test, background check, and drug screen (information available to registered students at end of prior term). Prerequisites: Grade of C or better in BIOL 3258, or BIOL 1157 and 1158. Grade of C or better in NUTR 3241. Prerequisites: Grade of "C" or better in

SPCH 110. Credit or co-registration in NUTR 3315. Credit or co-registration in NUTR 4371. Liability Fee \$45.00. 3 semester credit hours. Engaged Learning. Typically offered: Fall Term.

NUTR 4374 Medical Nutrition Therapy II. (Formerly 374) Physiological and biochemical aspects of nutrient metabolism; interrelationships between cellular reactions, nutrition, and health; nutrigenomics; biochemical and physiological principles of medical nutrition therapy for obesity, eating disorders, anemia, bone diseases, alcohol metabolism, inborn errors, and the nervous system. Prerequisite: Grade of C or better in BIOL 1198; Grade of C or better in BIOL 3258, or BIOL 1157 and 1158. Grade of C or better in NUTR 3241. Grade of C or better in NUTR 3315. 4 semester credit hours. Typically offered: Spring Term.

NUTR 4375 Mentoring in Dietetics. (Formerly 375) Exploration of roles and qualities of preceptors and mentors in dietetics. Collaboration with graduate interns providing experience as mentee in the practice of dietetics. Transportation required; off-campus sites. Prerequisite: Senior standing by credits earned. 3.00 GPA. Grade of C or better in NUTR 3241. Grade of C or better in HLED 3271. Credit or co-registration in NUTR 4371 or 4374. 1 semester credit hour. Typically offered: Fall and Spring Terms.

NUTR 4390 Selected Topics. (Formerly 390) Special topics in nutrition adjusted to the needs of the students. Topics may be changed so that the course may be repeated for credit. Prerequisite: Senior standing by credits, 3.0 GPA, Nutrition Major, and refer to the course schedule (usually NUTR 2231 or 3241; BIOL 1155 or 3258 or BIOL 1157 and 1158). 1-3 semester credit hours. Typically offered: Periodically. *Department Consent Required. Course Repeatable. Maximum number of units allowed 18.*

NUTR 4392 Nutrition Research and Professional Writing. (Formerly 392) This course provides an overview of research methodology. Locate using current information technologies, interpret, and evaluate professional health literature as a foundation to develop a professional manuscript and complete a journal critique. Prerequisite: Grade of C or better in WRIT 1102 and credit or co-registration in MGT/MATH 1150 or BIOL 2229 or PSYC 2250, and credit or co-registration in NUTR 3246, 3300, or 4371, or 4374 or HLED 360. 2 semester credit hours. Writing Intensive Course. Typically offered: Fall Term.

NUTR 4396 Specialized Nutrition and Health Practicum. (Formerly 396) Supervised experience designed to meet the interest of an individual student. May be at off-campus sites. Transportation may be required. Prerequisite: 3.0 GPA, Nutrition majors only; additional course prerequisites are determined by nature of experience. Liability fee: \$27.50. 2-3 semester credit hours. Typically offered: Summer Term. *Department Consent Required. Course Repeatable. Maximum number of units allowed 18.*

NUTR 4399 Nutrition Research. (Formerly 399) A supervised research project that is conducted on or off campus. Transportation may be required. Independent Study. Prerequisite: GPA of 3.20 or higher. Grade of C or better in WRIT 1102. Grade of C or better in MATH 1150 or BIOL 2229 or PSYC 2250. Credit or co-registration in NUTR or HLED 4392. Instructor consent. Fee: \$170. 1-3 semester credit hours. Engaged Learning. Typically offered: Periodically. *Department Consent Required. Course Repeatable. Maximum number of units allowed 18.*

Philosophy

PHIL 1101 Introduction to Philosophy. (Formerly 101) An introduction to the philosophical enterprise by way of a condensed survey of its various branches. 3 semester credit hours. Philosophical MOI. Typically offered: Fall Term.

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PHIL 1120 Greek Philosophy. (Formerly 120) Introduces ancient Greek philosophical thought through the study of writings by Plato, Aristotle, and select Presocratic thinkers on a range of subjects (e.g., cosmology, physics, metaphysics, epistemology, rhetoric, and ethics). 3 semester credit hours. Philosophical MOI. Typically offered: Spring Term.

PHIL 2200 Introduction to Logic. (Formerly 200) 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. 3 semester credit hours. Philosophical MOI. Typically offered: Fall and Spring Terms.

PHIL 2205 Philosophy of Human Nature. (Formerly 205) Investigation of the classic questions regarding the human person: unity, freedom, death and immortality, mind-body relation, and community. 3 semester credit hours. Philosophical MOI. Typically offered: Spring Term.

PHIL 2207 Feminist Philosophy. (Formerly 207) PHIL 2207/3307 is a study of the contemporary philosophical theories on sex, gender, and sexuality. We will focus on determining the nature of the core concepts of feminism, whether traditional gendered categories are real or socially constructed, how cultural norms concerning these notions shape personal identity, and the moral implications of these reflections for public policy. Students will also assess recent trends of misogyny and patriarchy in American culture stemming from philosophical and scientific misconceptions. The intellectual debates and key arguments of feminist thought are among the most important and urgent of contemporary philosophy. Students may not earn credit in both PHIL 2207 and PHIL 3307. 3 semester credit hours. Philosophical MOI. Typically offered: Fall Term, Even Years.

PHIL 2210 Philosophy of Being. (Formerly 210) 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. 3 semester credit hours. Philosophical MOI. Typically offered: Spring Term, Even Years.

PHIL 2215 Theory of Knowledge. (Formerly 215) Analysis of the nature, possibility, foundations, and extent of human knowledge. Students may not earn credit in both PHIL 2215 and PHIL 3315. 3 semester credit hours. Philosophical MOI. Typically offered: Fall Term, Even Years.

PHIL 2225 Medieval Philosophy. (Formerly 225) Survey of philosophy from Augustine to the 14th Century. Philosophical Mode of Inquiry (QPL). Students may not earn credit in both PHIL 2225 and PHIL 3325. 3 semester credit hours. Philosophical MOI. Typically offered: Spring Term, Odd Years.

PHIL 2230 Analytic Philosophy. (Formerly 230) Surveys 19th- and 20th-century philosophical movements in America and Britain. Students may not earn credit in both PHIL 2230 and PHIL 3330. 3 semester credit hours. Typically offered: Fall Term, Odd Years.

PHIL 2235 Modern Philosophy. (Formerly 235) Survey of philosophy from the 15th-century to the early 19th-century. Students may not earn credit in both PHIL 2235 and PHIL 3335. 3 semester credit hours. Philosophical MOI. Typically offered: Spring Term, Even Years.

PHIL 2245 General Ethics. (Formerly 245) Investigation of ethical concepts and theories and an analysis of the norms of ethical decision. Philosophical Mode of Inquiry (QPL). Writing Intensive. 3 semester credit hours. Philosophical MOI. Typically offered: Fall and Spring Terms.

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PHIL 2246 Biomedical Ethics. (Formerly 246) Course covers major schools of thought on ethics within the biomedical arena. Students may not earn credit in both PHIL 2246 and PHIL 3346. 3 semester credit hours. Philosophical MOI. Typically offered: Spring Term.

PHIL 2247 Business Ethics. (Formerly 247) Course covers major schools of thought on ethics within the business arena. Students may not earn credit in both PHIL 2247 and PHIL 3347. 3 semester credit hours. Philosophical MOI. Typically offered: Fall Term, Odd Years.

PHIL 2248 Environmental Ethics. (Formerly 248) Surveys recent philosophical discourse on the rights and responsibilities of human beings in respect of animals, plants, ecosystems, and natural resources, devoting special attention to subjects such as climate change, species extinction, wilderness preservation, sustainability, consumerism, pollution, human population, and poverty. Students may not earn credit in both PHIL 2248 and PHIL 3348. 3 semester credit hours. Sustainable, QPL. Typically offered: Fall Term, Even Years.

PHIL 2255 Existentialism. (Formerly 255) Studies the views of 19th- and 20th-century philosophers from continental Europe (e.g., Nietzsche, Kierkegaard, Husserl, Heidegger, Sartre) regarding topics such as individual existence, death, freedom, authenticity, time, language, understanding, and the relation of the individual to the community. 3 semester credit hours. Philosophical MOI. Typically offered: Spring Term, Odd Years.

PHIL 2260 Social & Political Philosophy. (Formerly 260) Which forms of political organization are best? What makes a state or government legitimate? How are political goods such as peace, prosperity and liberty best understood and promoted? Course approaches these questions through the study of classic and contemporary works of political philosophy (e.g., by Plato, Thomas Aquinas, John Locke, etc.). Students may not earn credit in both PHIL 2260 and PHIL 3360. 3 semester credit hours. Philosophical MOI. Typically offered: Fall Term, Odd Years.

PHIL 2285 Philosophy of Religion. (Formerly 285) 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. Cross-listed with PHIL 3385. 3 semester credit hours. Typically offered: Periodically.

PHIL 2290 History and Philosophy of Science. (Formerly 290) Course covers the historical, philosophical and ethical questions of the scientific revolution through the present. Students may not earn credit in both PHIL 2290 and PHIL 3390. 3 semester credit hours. Philosophical MOI. Typically offered: Fall Term.

PHIL 2291 Selected Topics. (Formerly 291) Special philosophical issues offered at the intermediate level according to the interest of faculty and students. 3 semester credit hours. Philosophical MOI. Typically offered: Fall Term. *Course Repeatable. Maximum number of units allowed 12.*

PHIL 3307 Feminist Philosophy. (Formerly 307) PHIL 2207/3307 is a study of the contemporary philosophical theories on sex, gender, and sexuality. We will focus on determining the nature of the core concepts of feminism, whether traditional gendered categories are real or socially constructed, how cultural norms concerning these notions shape personal identity, and the moral implications of these reflections for public policy. Students will also assess recent trends of misogyny and patriarchy in American culture stemming from philosophical and scientific misconceptions. The intellectual debates and key arguments of feminist thought are among the most important and urgent of contemporary philosophy. Students may not earn credit in both PHIL 2207 and PHIL 3307. 3 semester credit hours. Typically offered: Fall Term, Even Years.

PHIL 3315 Theory of Knowledge. (Formerly 315) Analysis of the nature, possibility, foundations, and extent of human knowledge. Students may not earn credit in both PHIL 2215 and PHIL 3315. 3 semester credit hours. Typically offered: Fall Term, Even Years.

PHIL 3325 Medieval Philosophy. (Formerly 325) This course introduces medieval Latin philosophy. It studies philosophical arguments by several thinkers (e.g., Boethius, Anselm, Aquinas, etc.) on a range of subjects (e.g., "the problem of evil," divine foreknowledge and human freedom, proofs for the existence of God, the attributes of God, natural law, etc.). Survey of philosophy from Augustine to the 14th century. Philosophical Mode of Inquiry (QPL). Students may not earn credit in both PHIL 2225 and PHIL 3325 3 semester credit hours. Typically offered: Spring Term, Odd Years.

PHIL 3330 Analytic Philosophy. (Formerly 330) Surveys 19th- and 20th-century philosophical movements in America and Britain. Students may not earn credit in both PHIL 2230 and PHIL 3330. 3 semester credit hours. Typically offered: Fall Term, Odd Years.

PHIL 3335 Modern Philosophy. (Formerly 335) Survey of philosophy from Descartes to Kant. Students may not earn credit in both PHIL 2235 and PHIL 3335. 3 semester credit hours. Typically offered: Spring Term, Even Years.

PHIL 3346 Biomedical Ethics. (Formerly 346) 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. Prerequisite: A Philosophy course. Students may not earn credit in both PHIL 2246 and PHIL 3346. 3 semester credit hours. Typically offered: Spring Term.

PHIL 3347 Business Ethics. (Formerly 347) Course covers major schools of thought on ethics within the business arena. Students may not earn credit in both PHIL 2247 and PHIL 3347. 3 semester credit hours. Typically offered: Fall Term, Odd Years.

PHIL 3348 Environmental Ethics. (Formerly 348) Surveys recent philosophical discourse on the rights and responsibilities of human beings in respect of animals, plants, ecosystems, and natural resources, devoting special attention to subjects such as climate change, species extinction, wilderness preservation, sustainability, consumerism, pollution, human population, and poverty. Course covers major schools of thought on ethics within the environmental/ecology arena. Students may not earn credit in both PHIL 2248 and PHIL 3348. 3 semester credit hours. Typically offered: Fall Term, Even Years.

PHIL 3355 Existentialism. (Formerly 355) Studies the views of 19th- and 20th-century philosophers from continental Europe (e.g., Nietzsche, Kierkegaard, Husserl, Heidegger, Sartre) regarding topics such as individual existence, death, freedom, authenticity, time, language, understanding, and the relation of the individual to the community. 3 semester credit hours. Typically offered: Periodically.

PHIL 3360 Social and Political Philosophy. (Formerly 360) Course covers the philosophy of societal change, the forces that bring about change and the revolutionary potential of change. Students may not earn credit in both PHIL 2260 and PHIL 3360. 3 semester credit hours. Typically offered: Fall Term, Odd Years.

PHIL 3385 Philosophy of Religion. (Formerly 385) 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. Cross-listed with PHIL 2285. 3 semester credit hours. Typically offered: Periodically.

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PHIL 3390 History and Philosophy of Science. (Formerly 390) Course covers the historical, philosophical and ethical questions of the scientific revolution through the present. Philosophical Mode of Inquiry (QPL). Students may not earn credit in both PHIL 2290 and PHIL 3390. 3 semester credit hours. Typically offered: Fall Term. *Department Consent Required.*

PHIL 3391 Selected Topics. (Formerly 391) Special philosophical issues offered at the advanced level according to the interest of faculty and students. 3 semester credit hours. *Course Repeatable. Maximum number of units allowed 12.*

PHIL 4399 Thesis. (Formerly 399) Capstone experience. 1-6 semester credit hours. Writing Int and Engaged Learn. *Department Consent Required.*

PHIL 4491 Selected Topics (Advanced): Phenomenology. Special philosophical issues offered at the advanced level for majors and minors, according to the interest of faculty and students. Pre-Req: Passing grade in at least 6 semester credit hours of Philosophy (PHIL) coursework. 3 semester credit hours. Typically offered: Periodically. *Course Repeatable. Maximum number of units allowed 12.*

Physical Education

PHED 2210 Physical Development and Health for Educators. (Formerly 210) This course provides candidates with an understanding of the positive impact of healthy lifestyle choices for children and adolescents. Candidates will learn various classroom activities that may be utilized to teach children and adolescents the importance of health, wellness, fitness, and leading an active lifestyle. 2 semester credit hours.

PHED 2240 Teaching Team Sports and Activities. (Formerly 240) This course is designed to provide knowledge and understanding of instructional methods and organization in team activities. An emphasis will be placed on strategies to adapt for maximum student participation. 2 semester credit hours. Typically offered: Fall Term.

PHED 2241 Teaching Individual Sports and Activities. (Formerly 241) This course is designed to provide knowledge and understanding of instructional methods and organization in individual activities. An emphasis will be placed on strategies to adapt for maximum student participation. 2 semester credit hours. Typically offered: Spring Term.

PHED 2243 Teaching Basic Dance and Rhythms. (Formerly 243) This course provides instructional strategies in the creative use of rhythms and dance in physical education. 2 semester credit hours. Typically offered: Fall and Spring Terms.

PHED 2249 Drugs in Society. (Formerly 249) This course presents general and specific knowledge of the use and abuse of substances. This includes substance effects, dependence, habituation, addiction, abuse, classification of abused drugs, treatment of alcoholism, and drug addiction. 3 semester credit hours. Typically offered: Fall Term. *Department Consent Required.*

PHED 2257 Wellness. (Formerly 257) 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 credit hours.

PHED 2258 Health Education. (Formerly 258) This course provides the foundation for health education programming in the school curriculum in relation to decision-making, personal choices, and the effects of overall wellness. Topics will include concepts and applications of cardiovascular fitness, nutrition and weight management, social-emotional health, stress management, life-style management, human sexuality, and substance abuse. Prerequisite: SES 201. 3 semester credit hours. Typically offered: Fall and Spring Terms.

PHED 2260 First Aid and CPR. (Formerly 260) This course provides instruction in first aid, safety, cardiopulmonary resuscitation (CPR), and the use of AED. Certification in First Aid and CPR will be available through the American Red Cross. 2 semester credit hours. Typically offered: Spring Term.

PHED 2291 Current Issues in Exercise & Sports Studies. (Formerly 291) This course covers a diverse selection of issues and complex problems that confront professionals in the exercise, fitness and sports industries. Independent thought and new insights will be encouraged. Students must have junior standing and current Exercise and Sports Studies majors. 3 semester credit hours. Typically offered: Annually.

PHED 3300 Physical Education for Special Populations. (Formerly 300) This course prepares the physical educator to adapt and modify activities to encourage integration of exceptional children into regular physical education classes. Prerequisite: EDUC 2260. 3 semester credit hours. Typically offered: Spring Term.

PHED 3307 Sport Law. (Formerly 307) This course will investigate and analyze the law and legal issues in school for physical educators, coaches and fitness trainers; topics will include negligence, liability, contract law and sport litigation. Students must have junior standing and be a current Exercise and Sports Studies major. 3 semester credit hours. Typically offered: Annually.

PHED 3308 Administration of Physical Education. (Formerly 308) This course provides administrative concepts and application to physical education programs with an emphasis on leadership, program management, program evaluation, personnel, facilities, budgeting, and curriculum. Emphasis will be placed on current research and current program assessment techniques. 3 semester credit hours. Typically offered: Fall Term.

PHED 3320 Physical Education Curriculum Design. (Formerly 320) This course will focus on the development and integration of a team building program into the overall school curricula. 3 semester credit hours. Writing Intensive Course. Typically offered: Fall Term. *Department Consent Required.*

Physics

PHYS 1101 Physical Science. (Formerly 101) 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. Prerequisite for PHYS 1101: "C" or better in MATH 0095. 3 semester credit hours. Physical-Scientific MOI. Typically offered: Fall and Spring Terms.

PHYS 1106 Astronomy. (Formerly 106) Examines astronomical phenomena and concepts including the solar system, stars, galaxies, planetary motion and the evolution of the universe. 3 semester credit hours. Physical-Scientific MOI. Typically offered: Fall, Spring and Summer Terms.

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PHYS 1113 College Physics I. (Formerly 113) A non-calculus based introduction to general physics topics that include vectors, classical mechanics, fluids, thermodynamics, and wave phenomena. Prerequisite: "C" or better in MATH 1111 or higher MATH. 3 semester credit hours. Physical-Scientific MOI. Typically offered: Fall, Spring and Summer Terms.

PHYS 1114 College Physics I Laboratory. (Formerly 114) Selected experiments to illustrate the concepts studied in PHYS 1113. Prerequisite: credit or co-registration in PHYS 1113. 1 semester credit hour. Physical-Scientific MOI. Typically offered: Fall and Summer Terms.

PHYS 1118 College Physics II. (Formerly 118) A non-calculus based introduction to general physics topics that include electromagnetism, electric circuits, geometrical and physical optics, atomic physics, and nuclear physics. Prerequisite: "C" or better in PHYS 1113. 3 semester credit hours. Physical-Scientific MOI. Typically offered: Fall, Spring and Summer Terms.

PHYS 1119 College Physics II Laboratory. (Formerly 119) Selected experiments to illustrate the concepts studied in PHYS 1118. Prerequisite: "C" or better in PHYS 1114 and credit or co-registration in PHYS 1118. 1 semester credit hour. Physical-Scientific MOI. Typically offered: Spring and Summer Terms.

PHYS 1141 PHY141 - Physics I. (Formerly 141) Consortium course offered at North Central College. 3 semester credit hours. Typically offered: Offered at North Central Coll. *Department Consent Required.*

PHYS 1142 PHY141 - Physics I Lab. (Formerly 142) Consortium course offered at North Central College. 1 semester credit hour. *Department Consent Required.*

PHYS 2205 University Physics I Laboratory. (Formerly 205) Laboratory course which introduces topics and concepts presented in PHYS 2211 through the use of experimental methods and techniques. Topics to be covered include vectors, statics, dynamics, work, energy, collisions, and rotational motion. Prerequisite: Credit or co-registration in PHYS 2211. 1 semester credit hour. Physical-Scientific MOI. Typically offered: Spring Term.

PHYS 2206 University Physics II Laboratory. (Formerly 206) Laboratory course which introduces topics and concepts of introductory physics through the use of experimental methods and techniques. Topics to be covered include electromagnetism, introductory circuits, and geometrical and physical optics. Prerequisite: "C" or better in PHYS 2205. 1 semester credit hour. Physical-Scientific MOI. Typically offered: Fall Term.

PHYS 2207 University Physics III Laboratory. (Formerly 207) Laboratory course which introduces topics and concepts presented in physics 2213 through the use of experimental methods and techniques. Topics to be covered include: propagation of light, geometric optics, interference, diffraction, periodic motion, mechanical waves, sound, and thermodynamics. Prerequisite: "C" or better in PHYS 2206 and credit or co-registration in PHYS 2213. 1 semester credit hour. Typically offered: Spring Term.

PHYS 2211 University Physics I. (Formerly 211) A calculus based introduction to mechanics. Topics include: vectors, Newton's laws, kinematics, dynamics, work, energy conservation, vibrations, momentum, rotations, equilibrium and elasticity, and fluid mechanics. Prerequisite: "C" or better in MATH 2210 (Calculus I); or "C" or better in MATH 1170 and Co-registration in MATH 2200. 3 semester credit hours. Physical-Scientific MOI. Typically offered: Spring Term.

PHYS 2212 University Physics II. (Formerly 212) A calculus based introduction to electricity, magnetism, and electric circuits. Topics include: electrostatics, Gauss's law, electric potential, capacitance, AC and DC electric

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circuits, magnetism, electromagnetic induction, electromagnetic waves. Prerequisite: "C" or better in PHYS 2211 and credit or Co-Registration in MATH 2211. 3 semester credit hours. Physical-Scientific MOI. Typically offered: Fall Term.

PHYS 2213 University Physics III. (Formerly 213) A calculus based introduction to waves, optics and thermodynamics. Topics include: The nature and propagation of light, geometric optics, interference, diffraction, periodic motion, mechanical waves, sound and hearing, laws of thermodynamics, special relativity, and quantization. Prerequisite: "C" or better in PHYS 2212 and credit in Math 2211. 3 semester credit hours. Typically offered: Spring Term.

PHYS 2296 Physics Teaching. (Formerly 296) Teaching assistant. 1-2 semester credit hours. Typically offered: Fall, Spring and Summer Terms. *Department Consent Required. Course Repeatable. Maximum number of units allowed 2.*

PHYS 3208 Modern Physics Laboratory. (Formerly 208) 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. Prerequisite: Credit or co-registration in PHYS 3214. 1 semester credit hour. Writing Intensive Course. Typically offered: Fall Term, Even Years.

PHYS 3214 Modern Physics. (Formerly 214) A calculus based introduction to concepts of 21st century and modern physics. Topics include: special relativity, quantum mechanics, solid state physics, atomic physics, nuclear physics, particle physics, and cosmology. Prerequisite: "C" or better in PHYS 2212. Writing-intensive (WI). 3 semester credit hours. Writing Intensive Course. Typically offered: Fall Term.

PHYS 3291 Selected Topics. (Formerly 291) Current topics in physics or biophysics. Prerequisite: Dependent upon topic. 3 semester credit hours. Typically offered: Periodically.

PHYS 3323 Biophysics. (Formerly 323) An introduction to the use of physics methods, mathematics, and modeling in biological systems. Prerequisites: "C" or better in BIOL 1198, CHEM 1123 or CHEM 1127, PHYS 1118 or 2213, and MATH 2211. Cross-listed as BIOL/PHYS 323. 3 semester credit hours. Typically offered: Fall Term.

PHYS 4313 Classical Thermodynamics. (Formerly 313) Properties of gases, relating heat and work, concepts of enthalpy and entropy, laws of thermodynamics, heat engines, thermodynamics of mixing processes, and phase changes. Prerequisite: "C" or better in CHEM 1123 or CHEM 1127, PHYS 2213, and MATH 2212. Cross listed as CHEM/PHYS 4313. 3 semester credit hours. Typically offered: Fall Term.

PHYS 4314 Physical Chemistry I Laboratory. (Formerly 314) Applies principles discussed in CHEM/PHYS 4313. Prerequisite: Co-registration or credit in CHEM/PHYS 4313. Cross listed as CHEM/PHYS 4314. 1 semester credit hour. Writing Intensive Course. Typically offered: Fall Term.

PHYS 4315 Quantum and Statistical Mechanics. (Formerly 315) Failures of classical physics, development of quantum theory, atomic structure and spectra, statistical mechanics, and statistical thermodynamics. Prerequisites: "C" or better in CHEM/PHYS 4313. Cross listed as CHEM/PHYS 4315. 3 semester credit hours. Typically offered: Spring Term.

PHYS 4316 Physical Chemistry II Laboratory. (Formerly 316) Applies principles discussed in CHEM/PHYS 4315. Prerequisite: Credit or co-registration in CHEM/PHYS 4315. Cross-listed as CHEM/PHYS 4316. 1 semester credit hour. Writing Intensive Course. Typically offered: Spring Term.

PHYS 4340 Electricity and Magnetism I. (Formerly 340) 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, and an introduction to superconductivity formalism. Prerequisites: "C" or better in PHYS 2212 and MATH 2260. 3 semester credit hours. Typically offered: Periodically.

PHYS 4357 Molecular Dynamics and Kinetics. (Formerly 357) Electronic properties of molecules, molecular interactions, molecular motion, chemical kinetics, molecular reaction dynamics. Prerequisite: Credit or Co-registration in CHEM/PHYS 4315. Cross listed as CHEM/PHYS 4357. 3 semester credit hours. Typically offered: Periodically.

PHYS 4390 Selected Topics in Physics. (Formerly 390) 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. Prerequisite: PHYS 2213 and MATH 2260. 3 semester credit hours. Typically offered: Periodically. *Course Repeatable. Maximum number of units allowed 12.*

PHYS 4393 Internship. (Formerly 393) Practical experience in physics or related career areas under the supervision of the physics program. Prerequisite: consent of faculty coordinator. 1-3 semester credit hours. Engaged Learning. Typically offered: Periodically.

PHYS 4395 Independent Study. (Formerly 395) Designed to encourage desire in superior students to continue the study of physics beyond the scope of undergraduate course offerings through guided independent study. 2 semester credit hours. Typically offered: Periodically. *Course Repeatable. Maximum number of units allowed 12.*

PHYS 4398 Research. (Formerly 398) Original research in physics conducted under the supervision of a faculty or adjunct faculty member. Publication and public presentation of the research are course objectives. Prerequisite: departmental consent. Engaged Learning. Typically offered: Fall, Spring and Summer Terms. *Department Consent Required. Course Repeatable. Maximum number of units allowed 18.*

Political Science

PLSC 1101 Global Affairs. (Formerly 101) 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. 3 semester credit hours. Global and QPE.

PLSC 1102 American Government. (Formerly 102) This course is an introduction to the institutions of the American government as well as the behavior of its political actors. Students will gain a solid understanding of

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the workings of democracy in the United States as well as the challenges it presents. There is NOT an emphasis on the Illinois Constitution in this course. 3 semester credit hours. Political/Global/Econ MOI. Typically offered: Fall and Spring Terms.

PLSC 1104 Model Illinois Government. (Formerly 104) It should be either a 1000 or 2000 level course. This class will meet once per week and we will use the time to prepare for the Model Illinois Government simulation in Springfield at the end of February. Students will be able to enroll in this course multiple times - up to three total enrollments - and this will count in the major for 3 semester hours if someone takes the course three times. 1 semester credit hour. Engaged Learning, QPE. Typically offered: Spring Term. *Course Repeatable. Maximum number of units allowed 3.*

PLSC 1160 Politics and Film. (Formerly 160) A study of political themes as they appear in film and the use of film for political purposes. Specific topics vary. 3 semester credit hours. Typically offered: Periodically.

PLSC 2105 Law and Politics. (Formerly 105) An analysis of law, justice, rights, court procedures, and legislation. The development of various concepts of law and individual and group rights. 3 semester credit hours. Political/Global/Econ MOI. Typically offered: Fall and Spring Terms.

PLSC 2201 State and Local Government. (Formerly 201) This course examines the inter-relationships between national, state, county, and local governments across the United States. Students will learn about federalism as a part of the American democratic system. (Satisfies the Illinois Constitution requirement for teacher certification.) 3 semester credit hours. Engaged Learning, QPE. Typically offered: Spring Term.

PLSC 2210 Introduction to International Relations. (Formerly 210) Analysis of the processes of interaction among nations and groups of nations within the international political system. 3 semester credit hours. Global and QPE.

PLSC 2211 Contemporary World Issues. (Formerly 211) This course explores several major current political issues in the world, issues which are among the most controversial and vexing problems facing international organizations, states, and people everywhere. We will spend roughly five weeks each exploring issue which may include globalization, global inequality, climate change, ethnic conflict, democracy/democratization, etc. The basic format is that of a reading and discussion seminar. There will be a research paper due at the end of the course exploring the connections between the major themes of the semester. Core elective, Please note, May not count towards credit in the major/minor or in the Social Science Major. 3 semester credit hours. Global and QPE. Typically offered: Fall Term.

PLSC 2213 American Foreign Policy. (Formerly 213) 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 1102, 2105, 2201, 2210. 3 semester credit hours.

PLSC 2215 Model United Nations. (Formerly 215) 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 Conference in New York City. 3 semester credit hours. G, EL, SU, WI, QPE. *Course Repeatable. Maximum number of units allowed 12.*

PLSC 2216 Genocide: The Politics of Hate, Fear, Terror and Power. (Formerly 216) This is a survey course on genocide, one of the most controversial and deadly concepts in all of contemporary politics. We will learn how

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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. Prerequisite: PLSC 1102, 2105, 2201, 2210. 3 semester credit hours. Global and QPE.

PLSC 2217 Revolutions and Political Violence. (Formerly 217) Analyzes theories of revolution and studies a variety of 20th century revolutions. Also considers concepts of terrorism, guerilla warfare and nonviolent revolution. Prerequisite: PLSC 1102, 2105, 2201, 2210. 3 semester credit hours. Global and QPE.

PLSC 2222 Russian Politics in Comparative Perspective. (Formerly 222) 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 1102, 2105, 2201, 2210. 3 semester credit hours.

PLSC 2224 Democracy & Democratization. (Formerly 224) 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 1102, 2105, 2201, 2210. 3 semester credit hours. Global and QPE.

PLSC 2230 US Constitutional Law I. (Formerly 230) 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 in the issue area of federalism and separation of powers. Prerequisite: PLSC 1102, 2105, 2201, 2210. 3 semester credit hours. Typically offered: Fall Term.

PLSC 2231 Constitutional Law II. (Formerly 231) 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 in the area of civil rights and liberties. Prerequisite: PLSC 1102, 2105, 2201, 2210. 3 semester credit hours.

PLSC 2236 Women in the Law. (Formerly 236) 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. Prerequisite: PLSC 1102, 2105, 2201, 2210. 3 semester credit hours. Individ/Org/Societies MOI. Typically offered: Spring Term, Even Years.

PLSC 2237 Mock Trial. (Formerly 237) An overview of the mechanics of courtroom procedure. Usually taught in conjunction with the American Mock Trial Association annual mock trial competitions. 3 semester credit hours. Engaged Learning. Typically offered: Fall and Spring Terms. *Course Repeatable. Maximum number of units allowed 6.*

PLSC 2241 Presidential and Congressional Politics. (Formerly 241) This class examines presidential and congressional study of Politics, the study of the American presidency: the background, powers, and relations with the other components of the political system. Prerequisite: PLSC 1102, 2105, 2201, 2210. 3 semester credit hours.

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PLSC 2245 Campaigns, Elections and Political Behavior. (Formerly 245) 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 1102, 2105, 2201, 2210. 3 semester credit hours. Typically offered: Fall Term.

PLSC 2247 Politics and Religion in the United States and Beyond. (Formerly 247) 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. Prerequisite: PLSC 1102, 2105, 2201, 2210. 3 semester credit hours.

PLSC 2256 Political Parties and Organized Interests. (Formerly 356) This course aims to consider the origins and evolution of groups in U.S. politics, the presence and influence of interest groups and political parties in our contemporary politics - the ways they lobby, fund raise, campaign, and, more broadly, shape the political landscape, and what the future holds for parties, interests, and other groups. Prerequisite: PLSC 1102, 2105, 2201, 2210. 3 semester credit hours. 3 semester credit hours. Typically offered: Fall Term.

PLSC 2257 Mass Media and Democracy. (Formerly 257) Democracy is predicated on the principle of open politics, which requires the transmission of quality information and an informed electorate. Mass media plays a critical role in informing the public and holding government in check, and also informing government about society's needs. The mass media environment is rapidly changing as a result of new forms of communication, technologies and globalization. This course aims to address these changes, and their implications for democracy, taking a broad, "landscape" look at the importance of traditional mass media, as well as contemporary, "new" media in democracy. 3 semester credit hours.

PLSC 2261 Belonging, Inclusion and Exclusion: Political Identities and the Politicization of Identity. The idea for this course emerged during the 2016 presidential election, as the phrase "identity politics" burst into popular lexicon while issues of race, religion, gender, nationality and class all played central roles in the campaign. Further, extreme partisanship, with labels of "tribalism" applied, became a greater cause of popular and media attention and concern. This course will explore the various notions of the concept of "identity", the individual and collective identities people hold, and how these become politicized in both positive and negative ways. The course seeks to shed practical light on what can be an esoteric topic in academic literature, as the political significance of both the labels and groups is growing in ways alarming for democracy. 3 semester credit hours. Typically offered: Periodically.

PLSC 2271 Appellate Advocacy: Brief Writing and Oral Argument. (Formerly 271) 3 semester credit hours.

PLSC 2291 Topics. (Formerly 291) 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 1102, 2105, 2201, 2210. 1-3 semester credit hours. Political/Global/Econ MOI. *Course Repeatable. Maximum number of units allowed 12.*

PLSC 2295 Independent Study. (Formerly 295) 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 credit hours. *Department Consent Required. Course Repeatable. Maximum number of units allowed 9.*

PLSC 3313 American Foreign Policy. (Formerly 313) 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 1102. 3 semester credit hours.

PLSC 3316 Genocide: The Politics of Hate, Fear, Terror and Power. (Formerly 316) 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. Prerequisite: PLSC 1102, 2105, 2201, 2210. 3 semester credit hours.

PLSC 3317 Revolutions and Political Violence. (Formerly 317) Analyzes theories of revolution and studies a variety of 20th century revolutions. Also considers concepts of terrorism, guerilla warfare and nonviolent revolution. Prerequisite: PLSC 1102, 2105, 2201, 2210. 3 semester credit hours.

PLSC 3322 Russian Politics in Comparative Perspective. (Formerly 322) 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 1102, 2105, 2201, 2210. 3 semester credit hours.

PLSC 3324 Democracy & Democratization. (Formerly 324) 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 1102, 2105, 2201, 2210. 3 semester credit hours.

PLSC 3330 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 in the issue area of federalism and separation of powers. Prerequisite: PLSC 1102, 2105, 2201, 2210. 3 semester credit hours.

PLSC 3331 Constitutional Law II. (Formerly 331) 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 in the area of civil rights and liberties. Prerequisite: PLSC 1102, 2105, 2201, 2210. 3 semester credit hours.

PLSC 3336 Women in the Law. (Formerly 336) 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. Prerequisite: PLSC 1102, 2105, 2201, 2210. 3 semester credit hours.

PLSC 3341 Presidential and Congressional Politics. (Formerly 341) This class examines presidential and congressional study of politics, the study of the American presidency: the background, powers, and relations with the other components of the political system. Prerequisite: PLSC 1102, 2105, 2201, 2210. 3 semester credit hours.

PLSC 3345 Campaigns, Elections and Political Behavior. (Formerly 345) 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 1102, 2105, 2201, 2210. 3 semester credit hours.

PLSC 3347 Politics and Religion in the United States and Beyond. (Formerly 247) 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. Prerequisite: PLSC 1102, 2105, 2201, 2210. 3 semester credit hours.

PLSC 3354 Seminar on International Theories. (Formerly 354) An advanced study of the main and latest theories and issues in international relations. 3 semester credit hours.

PLSC 3356 Political Parties and Organized Interests. (Formerly 356) This course aims to consider the origins and evolution of groups in U.S. politics, the presence and influence of interest groups and political parties in our contemporary politics - the ways they lobby, fund raise, campaign, and, more broadly, shape the political landscape, and what the future holds for parties, interests, and other groups. Prerequisite: PLSC 1102, 2105, 2201, 2210. 3 semester credit hours. Typically offered: Fall Term.

PLSC 3357 Mass Media and Democracy. (Formerly 257) Democracy is predicated on the principle of open politics, which requires the transmission of quality information and an informed electorate. Mass media plays a critical role in informing the public and holding government in check, and also informing government about society's needs. The mass media environment is rapidly changing as a result of new forms of communication, technologies and globalization. This course aims to address these changes, and their implications for democracy, taking a broad, "landscape" look at the importance of traditional mass media, as well as contemporary, "new" media in democracy. 3 semester credit hours.

PLSC 3361 Belonging, Inclusion and Exclusion: Political Identities and the Politicization of Identity. The idea for this course emerged during the 2016 presidential election, as the phrase "identity politics" burst into popular lexicon while issues of race, religion, gender, nationality and class all played central roles in the campaign. Further, extreme partisanship, with labels of "tribalism" applied, became a greater cause of popular and media attention and concern. This course will explore the various notions of the concept of "identity", the individual and collective identities people hold, and how these become politicized in both positive and negative ways. The course seeks to shed practical light on what can be an esoteric topic in academic literature, as the political significance of both the labels and groups is growing in ways alarming for democracy. 3 semester credit hours. Typically offered: Periodically.

PLSC 3371 Appellate Advocacy: Brief Writing and Oral Argument. (Formerly 371) 3 semester credit hours. Engaged Learning.

PLSC 3391 Topics. (Formerly 391) 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 1102, 2105, 2201, 2210. 3 semester credit hours. *Course Repeatable. Maximum number of units allowed 12.*

PLSC 3392 Political Leadership. (Formerly 392) Intensive study of the principles and practice of the politics of leadership including hands-on leadership experiences in conjunction with the professor. 3 semester credit hours. *Department Consent Required. Course Repeatable. Maximum number of units allowed 12.*

PLSC 3395 Independent Study. (Formerly 395) 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 credit hours. *Department Consent Required. Course Repeatable. Maximum number of units allowed 9.*

PLSC 3397 Internship. (Formerly 397) 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: Sophomore, Junior or Senior standing. 1-12 semester credit hours. *Department Consent Required. Course Repeatable. Maximum number of units allowed 12.*

PLSC 4299 Research Methods in Political Science. (Formerly 299) 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; a grade of "C" or better in PLSC 1102, 2201, 2210, and 2105; a grade of "C" or better in a least one 3000 level PLSC elective. 3 semester credit hours. Writing Intensive Course.

PLSC 4399 Thesis Research and Writing. (Formerly 399) Continuation of PLSC 4299. Systematic integration of political theory and research. Preparation and completion of an independent undergraduate thesis. Prerequisite: PLSC 4299. 3 semester credit hours. Writing Intensive Course. *Department Consent Required.*

Psychology

PSYC 1100 Survey of Psychology. (Formerly 100) Overview of the field; principles and general methodology; concepts, theories and research, applicability to modern living. Individuals, Organizations, and Societies. 3 semester credit hours. Individ/Org/Societies MOI. Typically offered: Fall and Spring Terms.

PSYC 1195 Research Practicum. (Formerly 195) Participation in ongoing departmental research. *Department Consent Required. Course Repeatable.* Maximum number of units allowed 6. 1-3 semester credit hours. Typically offered: Fall, Spring and Summer Terms. *Department Consent Required. Course Repeatable. Maximum number of units allowed 6.*

PSYC 2200 Developmental: Childhood and Adolescence. (Formerly 200) Behavioral and social analysis of human development from birth through adolescence. Prerequisite: PSYC 1100. 3 semester credit hours. Typically offered: Fall Term.

PSYC 2201 Growth and Development. (Formerly 201) 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 2201 and PSYC 2200 or PSYC 2202. 3 semester credit hours. Typically offered: Periodically.

PSYC 2202 Developmental: Adulthood. (Formerly 202) Biopsychological, psychosexual and social cognitive development from young adulthood through aging, to dying and death. Prerequisite: PSYC 1100. 3 semester credit hours. Typically offered: Fall Term.

PSYC 2204 Survey of Exceptional Children. (Formerly 204) Survey of the historical, legal, and philosophical foundations of special education. The primary focus will be on children with disabilities, but will also include at-risk children. Course work will include the categories of exceptionality as identified by federal law, Individuals with Disabilities Education Act and the Illinois State Board of Education, etiological factors, the disability characteristics, and collaborative/intervention strategies to address their needs. 3 semester credit hours. Typically offered: Fall Term.

PSYC 2210 Social Psychology. (Formerly 210) How social influences affect the individual and group. Attitudes, attribution and prejudice. PSYC 2210 and SOCL 2210 are cross-listed. Individuals, Organizations, and Societies) 3 semester credit hours. Individ/Org/Societies MOI. Typically offered: Fall and Spring Terms.

PSYC 2220 Personality. (Formerly 220) Theories of personality; process and analysis of personality development and adjustment and discussion of the influence of theories on the practice of psychotherapy. Prerequisite: PSYC 1100. 3 semester credit hours. Typically offered: Fall Term.

PSYC 2245 Alcohol Problems and Alcoholism. (Formerly 245) 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. Students may not earn credit in both PSYC 2245, and SOCL 2245. 3 semester credit hours. Typically offered: Spring Term.

PSYC 2250 Basic and Applied Statistics. (Formerly 250) 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. Prerequisite: "C" or better in MATH 1105, MATH 1108 or MATH 1110. Computational, Mathematical, and Analytical. Students may not earn credit in both CJUS 2250, PSYC 2250, and SOCL 2205. 3 semester credit hours. Comp Math Analytical MOI. Typically offered: Fall, Spring and Summer Terms.

PSYC 2252 Research Practicum. (Formerly 252) 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. Prerequisite: Successful completion of basic skills courses. 3 semester credit hours. Typically offered: Fall and Spring Terms. *Department Consent Required.*

PSYC 2270 Marriage and the Family. (Formerly 270) Family system and its changing relationships to contemporary society. Structures, value orientation and personality patterns, role and status interrelationships. Cross listed as PSYC 2270/SOCL 2270. Prerequisite: SOCL 1100. Students may not earn credit in both PSYC 2270, and SOCL 2270. 3 semester credit hours. Typically offered: Annually.

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PSYC 2290 Introduction to Art Therapy. (Formerly 290) This introductory course provides an overview of the field of art therapy and its application in various settings and populations 3 semester credit hours. Typically offered: Fall Term.

PSYC 2291 Selected Topics. (Formerly 291) Relevant to the needs and interests of the psychology major. 1-3 semester credit hours. Typically offered: Periodically. *Course Repeatable. Maximum number of units allowed 15.*

PSYC 2298 Research Methods. (Formerly 298) Completion of the first part of an original research design. Prerequisite: PSYC 2250 or MGT 2251 and admission into the Adult BA in Organizational Leadership Program. 3 semester credit hours.

PSYC 3300 Abnormal Psychology. (Formerly 300) Dynamics of personality disorders, etiology, diagnosis, treatment and prognosis in neurotic and psychotic behavioral disorders. Discussion of case studies. Prerequisite: PSYC 1100 and Junior/Senior status. 3 semester credit hours. Writing Intensive Course. Typically offered: Fall and Spring Terms.

PSYC 3302 Psychotherapy. (Formerly 302) Survey of theories and techniques of individual and group psychotherapies. Concepts and methods of evaluating therapeutic interventions. Prerequisite: PSYC 3300. 3 semester credit hours. Typically offered: Fall Term.

PSYC 3310 Social, Psychological and Cultural Aspects of Aging. (Formerly 310) 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. Psychology Core Elective. Students may not earn credit in both PSYC 3310, and SOCL 3310. 3 semester credit hours. Typically offered: Fall Term.

PSYC 3314 Learning and Cognition. (Formerly 314) Lecture course on principles, theories, concepts and experimental literature in learning and cognition, with emphasis on human learning in educational settings. Prerequisite: PSYC 1100. 3 semester credit hours. Typically offered: Fall and Spring Terms.

PSYC 3315 Learning and Cognition Lab. (Formerly 315) 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-registration in PSYC 3314. 1 semester credit hour. Typically offered: Fall and Spring Terms.

PSYC 3318 Physiological Psychology. (Formerly 318) Lecture relating neurophysiological correlates of human and animal behavior, emphasizing motivation, emotion, learning and memory processes. Prerequisite: PSYC 1100 and Junior or Senior standing. 3 semester credit hours. Typically offered: Fall and Spring Terms.

PSYC 3319 Physiological Psychology Lab. (Formerly 319) 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-registration in PSYC 3318. 1 semester credit hour. Typically offered: Fall and Spring Terms.

PSYC 3350 Systems and Theories. (Formerly 350) Historical antecedents of modern psychology; current theoretical systems. Prerequisite: Junior, senior in PSYC/SOCL program. 3 semester credit hours. Typically offered: Periodically.

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PSYC 3352 Research Practicum. (Formerly 352) 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 a scholarly paper in APA style, the latter to include identification of the subject of the study, a review of the literature, statement of a working hypotheses, construction of necessary operational definitions, delineation of variables, a description of the population (and sample) and statistical tests if appropriate, results of the study and a discussion on the results of the study. Student will present the results of the study at a scholarly meeting. Cross-listed as CJUS/PSYC/SOCL 3352. 3 semester credit hours. Engaged Learning. Typically offered: Fall and Spring Terms. *Department Consent Required.*

PSYC 3354 Behavior Modification/Lab. (Formerly 354) Focuses on basic behavioral principles and procedures. Emphasis is on the use of non-aversive techniques and applications with special needs populations children and animals. Prerequisite: Junior or senior in PSYC/SOCL program. 4 semester credit hours. Engaged Learning. Typically offered: Fall Term.

PSYC 3356 Clinical Practicum/Lab. (Formerly 356) Focus is on teaching interpersonal and primary-level skills of empathy, listening, and interviewing to the introductory-level helping professional. Prerequisite: Junior or Senior in PSYC/SOCL program. Students may not earn credit in both CJUS 4356, PSYC 3356, and SOCL 3356. 4 semester credit hours. Writing Int and Engaged Learn. Typically offered: Fall, Spring and Summer Terms.

PSYC 3371 Death and Dying. (Formerly 371) Dynamics of the grief process, the care of the terminally ill and the needs of survivors in the sociological and psychological context of death. 3 semester credit hours. Typically offered: Periodically.

PSYC 3373 Group Processes. (Formerly 373) Introduces theory and components of group process. Opportunities to participate in functioning groups for decision making and practicing of newly developed skills. Prerequisite: SOCL 3356. Students may not earn credit in both PSYC 3373 and SOCL 3394. 3 semester credit hours. Typically offered: Periodically.

PSYC 3391 Topics. (Formerly 391) Relevant topics according to the needs and interests of psychology majors. 1-3 semester credit hours. Typically offered: Periodically. *Course Repeatable. Maximum number of units allowed 15.*

PSYC 3399 Independent Study. (Formerly 399) Provides opportunity for advanced majors to complete requirements of psychology course on their own. 3 semester credit hours. Typically offered: Periodically. *Department Consent Required. Course Repeatable. Maximum number of units allowed 15.*

PSYC 4320 Organizational Behavior. (Formerly 320) Overview of organizational structures and group dynamics. Examines job satisfaction, motivation, performance evaluation, decision-making and goal setting. 3 semester credit hours. Typically offered: Fall, Spring and Summer Terms.

PSYC 4333 Advanced Abnormal Psychology. (Formerly 333) Course prepares students who want to pursue clinical work by examining the most common psychological disorders from both a diagnostic perspective as well as a humanistic perspective. Students will sharpen diagnostic skills by examining the DSM as it applies to case studies. Additionally, students will enhance their ability to understand psychological disorders from the human perspective by reading patient memoirs, interviews and discussion. Prerequisite: PSYC 3300. 3 semester credit hours. Typically offered: Spring Term.

PSYC 4351 Research Methods in the Social Sciences. (Formerly 351/299) 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. Prerequisite: PSYC 2250 or SOCL 2250 or CJUS 2250. Students may not earn credit in both CJUS 4351, PSYC 4351, and SOCL 4351. 3 semester credit hours. Writing Intensive Course. Typically offered: Fall and Spring Terms.

PSYC 4389 Organizational Leadership Capstone. (Formerly 389) Completion of an original research design. Prerequisite: PSYC 2298; Admission to the adult B.A. in Organizational Leadership program. 3 semester credit hours. Writing Int and Engaged Learn. Typically offered: Fall and Spring Terms.

PSYC 4395 Senior Thesis. (Formerly 395) Completion of an original research project under faculty supervision, involving either an original survey design, case study, or experimental analysis. Prerequisite: PSYC 4351 or SOCL 4351 or CJUS 4351. Students may not earn credit in both CJUS 4395, PSYC 4395, and SOCL 4395. 3 semester credit hours. Engaged Learning.

PSYC 4397 Psychology Internship. (Formerly 397) Supervised instruction in an on- or off-campus setting related to student's interest in psychology. Prerequisite: PSYC 3356, and a G.P.A. of 3.0 or better, consent of department chair and field placement director prior to the 10th week of the semester preceding the internship. 3-6 semester credit hours. Typically offered: Fall and Spring Terms. *Department Consent Required. Course Repeatable. Maximum number of units allowed 6.*

PSYC 4398 Life Span Services Internship. (Formerly 398) Supervised experience in an off-campus assisted/independent living setting. Each semester. Prerequisite: SOCL 3356, and a GPA of 3.0 or better, consent of the program director and field placement director prior to the 10th week of the semester preceding internship. 3-6 semester credit hours. Typically offered: Periodically. *Department Consent Required.*

Public Health

PUH 1135 Mental Health First Aid. (Formerly 135) This course will provide students the opportunity to learn basic concepts and strategies of a mental health first-aider including the ability to identify, understand, and respond to signs of mental illnesses and substance use disorders. 1 semester credit hour. Typically offered: Fall and Spring Terms.

Radiation Therapy

RADT 4330 Introduction to Technical Radiation Oncology. (Formerly 330) Content is designed to familiarize the student therapist with the technical aspects of radiography and radiographic equipment. Discussion will include orientation to the function and operation of radiographic equipment. 2 semester credit hours.

RADT 4331 Principles and Practice of Radiation Therapy I. (Formerly 331) 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 credit hours.

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RADT 4332 Pathology. (Formerly 332) 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. 2 semester credit hours.

RADT 4333 Radiation Physics. (Formerly 333) 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 credit hours.

RADT 4334 Clinical Practicum I. (Formerly 334) 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: general radiation therapy treatment rooms, Simulator/CT simulator, Nursing Department, and Physics/Dosimetry Department. 3 semester credit hours. Engaged Learning.

RADT 4335 Medical Imaging. (Formerly 335) Content is designed to establish procedures for imaging human structure and their relevance to radiation therapy. Topographic, radiographic, and cross-sectional anatomy will be studied and demonstrated through various imaging modalities. 2 semester credit hours.

RADT 4336 Introduction to Radiologic Sciences. (Formerly 336) 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 credit hours.

RADT 4337 Radiation Safety and Protection. (Formerly 337) 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 credit hours.

RADT 4338 Principles and Practice of Radiation Therapy II. (Formerly 338) 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 credit hours.

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RADT 4339 Technical Radiation Oncology II. (Formerly 339) Content is designed to provide the student therapist with knowledge of the technical aspects of radiation therapy. Discussion will include treatment modalities and the distinctive properties of each patient's simulation and treatment. This will also include basic hand calculations. 2 semester credit hours. *Department Consent Required.*

RADT 4340 Radiation Therapy Physics. (Formerly 340) 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 types of treatment units used in external radiation therapy, measurement and quality of ionizing radiation produced, absorbed dose measurement, dose distribution, and scatter analysis. Also included in this course are factors that influence and govern treatment planning. 2 semester credit hours.

RADT 4341 Quality Management. (Formerly 341) 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 quality assurance (QA) checks; QA of the clinical aspects and chart checks, film checks; 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 credit hours.

RADT 4342 Operational Issues in Radiation Therapy. (Formerly 342) 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 credit hours.

RADT 4343 Clinical Practicum II. (Formerly 343) 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: general radiation therapy treatment rooms, Simulator/CT simulator, Nursing Department, and Physics/Dosimetry Department. 2 semester credit hours. Engaged Learning.

RADT 4344 Management and Methods of Patient II. (Formerly 344) Continuation of RADT 4336 Management and Methods of Patient Care I. 2 semester credit hours.

RADT 4345 Radiation Biology. (Formerly 345) 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 credit hours.

Religious Studies

RELS 1105 New Testament Greek I. (Formerly 105) Beginners introduction to the grammar and vocabulary of the original Greek text. 3 semester credit hours. Typically offered: Fall Term, Even Years.

RELS 1106 New Testament Greek II. (Formerly 106) Continuation of RELS 1105. Prerequisite: RELS 1105. 3 semester credit hours. Typically offered: Spring Term, Odd Years.

RELS 1110 Ecclesiastical Latin I. (Formerly 110) To provide an introduction to the Latin language, the root of all Romance languages and the common language of educated people for two millennia. The emphasis will be on a practical understanding of the language-for use in philosophical, religious and theological studies. 3 semester credit hours. Typically offered: Fall Term, Odd Years.

RELS 1111 Ecclesiastical Latin II. (Formerly 111) Continuation of RELS 1110. Prerequisite: RELS 1110. 3 semester credit hours. Typically offered: Spring Term, Even Years.

RELS 2120 Eastern Religious Traditions. (Formerly 120) This course will introduce the major religions of South, Southeast, and East Asia, and the interactions between them, focusing on the Hindu, Buddhist, Jain, and Sikh traditions, with mention of Islam, Asian Christianity, and Chinese religions. Religious Studies Core Elect. 3 semester credit hours. Religious/Theological MIO. Typically offered: Spring Term, Even Years.

RELS 2130 Abrahamic Traditions. (Formerly 130) An introduction to the three western "Abrahamic" religions, Judaism, Christianity, and Islam, and their interactions. Mode of Inquiry Religious Theological QRT. Religious Studies Core Elective. 3 semester credit hours. Religious/Theological MIO. Typically offered: Spring Term, Odd Years.

RELS 2160 Jesus Christ. (Formerly 160) Studies the images of Jesus Christ in the New Testament and the development of Christological doctrine in subsequent Christian thought. 3 semester credit hours. Religious/Theological MIO. Typically offered: Fall Term, Even Years.

RELS 2230 Judaism. (Formerly 230) This course will introduce students to the practices, beliefs, literature, history, and diversity of Jews and Judaism, as well as to Jewish-Christian and Jewish-Muslim dialogue. 3 semester credit hours. Writing Intensive and QRT. Typically offered: Fall Term.

RELS 2265 Eastern Christianity. (Formerly 265) History, theology, spirituality, and contemporary life of Eastern Christians, including the Oriental Orthodox, Eastern Orthodox, and Eastern Catholic Churches. Religious Studies Core Elective. 3 semester credit hours. Religious/Theological MIO. Typically offered: Spring Term, Even Years.

RELS 2285 Religion in America. (Formerly 285) Study of the prominent individuals, communities, movements, institutions and beliefs which make up the religious experience of North American people. 3 semester credit hours. Religious/Theological MIO. Typically offered: Fall Term.

RELS 4100 Religion and Culture. (Formerly 100) An investigation of the ways in which myth, ritual, and the interpretation of scripture provides meaning and orientation for human life. 3 semester credit hours. Typically offered: Periodically.

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Sociology

SOCL 1100 Principles of Sociology. (Formerly 100) Fundamental concepts in the scientific study of human society, culture and personality, with special study of the social organization of groups and institutions. 3 semester credit hours. Individ/Org/Societies MOI. Typically offered: Fall, Spring and Summer Terms.

SOCL 1195 Research Practicum. (Formerly 195) Participation in on-going departmental research. 1-3 semester credit hours. Typically offered: Fall, Spring and Summer Terms. Department Consent Required.

SOCL 2205 Racial and Ethnic Groups. (Formerly 205) The nature of prejudice. Studies of ethnic relations in America and other societies. Cross-listed as CJUS 2205/SOCL 2205. Students may not earn credit in both CJUS 2205 and SOCL 2205. 3 semester credit hours. Typically offered: Spring Term.

SOCL 2213 Health Aspects of Aging. (Formerly 213) Focuses upon the normal aging process in American Society including biological, psychological and health aspects. Emphasis is placed on health services, health maintenance, and contemporary issues with respect to the elderly population. 3 semester credit hours.

SOCL 2231 Medical Sociology. (Formerly 231) Analysis of social factors in relation to health and disease. Organization of health professions and institutions. 3 semester credit hours. Individ/Org/Societies MOI. Typically offered: Periodically.

SOCL 2234 Sociology of Sport. (Formerly 234) 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 credit hours.

SOCL 2235 Sociology of Popular Culture. (Formerly 235) 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 credit hours.

SOCL 2240 Social Problems. (Formerly 240) Effects of social change, disorganization and value conflict on family life, mental health, ethnic relations, crime and delinquency, related topics. Prerequisite: SOCL 1100. 3 semester credit hours. Typically offered: Spring Term.

SOCL 2245 Alcohol Problems and Alcoholism. (Formerly 245) 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. Students may not earn credit in both PSYC 2245, and SOCL 2245. 3 semester credit hours. Typically offered: Spring Term.

SOCL 2250 Basic and Applied Statistics. (Formerly 250) 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. Prerequisite: "C" or better in MATH 1105, MATH 1108 or MATH 1110. Computational, Mathematical, and Analytical. Students may not earn credit in both CJUS 2250, PSYC 2250, and SOCL 2205. 3 semester credit hours. Comp Math Analytical MOI. Typically offered: Fall, Spring and Summer Terms.

SOCL 2252 Research Practicum. (Formerly 252) 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

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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. Prerequisite: Successful completion of basic skills courses. 3 semester credit hours. Typically offered: Fall and Spring Terms. *Department Consent Required.*

SOCL 2265 Introduction to Social Work. (Formerly 265) 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. 3 semester credit hours. Typically offered: Fall Term.

SOCL 2270 Marriage and the Family. (Formerly 270) Family system and its changing relationships to contemporary society. Structures, value orientation and personality patterns, role and status interrelationships. Cross listed as PSYC 2270/SOCL 2270. Prerequisite: SOCL 1100. Students may not earn credit in both PSYC 2270, and SOCL 2270. 3 semester credit hours. Typically offered: Annually.

SOCL 2290 Social and Cultural Change. (Formerly 290) 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. 3 semester credit hours. Typically offered: Annually.

SOCL 2291 Selected Topics in Sociology. (Formerly 291) According to the interests of the sociology majors. 1-3 semester credit hours. Typically offered: Periodically. *Course Repeatable. Maximum number of units allowed 15.*

SOCL 3301 Social Welfare Services and Policies. (Formerly 301) Survey of social work agencies. Application of social systems to public and voluntary social welfare services. Prerequisite: SOCL 2265. 3 semester credit hours. Typically offered: Annually.

SOCL 3306 Correctional System. (Formerly 306) Theory and research relating to treatment, incarceration and rehabilitation of the offender. Prerequisite: SOCL/CJUS 2260. Students may not earn credit in both CJUS 3306, and SOCL 3306. 3 semester credit hours. Typically offered: Annually.

SOCL 3310 Social, Psychological and Cultural Aspects of Aging. (Formerly 310) 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. Students may not earn credit in both PSYC 3310, and SOCL 3310. 3 semester credit hours. Typically offered: Fall Term.

SOCL 3320 Gender, Crime & Justice. (Formerly 320) Studies the experience of women and the criminal justice system. The exploration of social inequalities and the search for justice. Cross-listed as CJUS/SOCL 3320. Students may not earn credit in both CJUS 3320 and SOCL 3320. 3 semester credit hours. Typically offered: Fall and Spring Terms.

SOCL 3350 Social Theory. (Formerly 350) Origin and development of sociology through a study of the classic works of the 19th and 20th centuries. Prerequisite: SOCL 1100. 3 semester credit hours. Typically offered: Fall Term.

SOCL 3352 Research Practicum. (Formerly 352) 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 a scholarly paper in APA style, the latter to include identification of the subject of the study, a review of the literature, statement of a working hypotheses, construction of necessary operational definitions, delineation of variables, a description of the population (and sample) and statistical tests if appropriate, results of the study and a discussion on the results of the study. Student will present the results of the study at a scholarly meeting. Cross-listed as CJUS/PSYC/SOCL 3352. 3 semester credit hours. Engaged Learning. Typically offered: Fall and Spring Terms. *Department Consent Required.*

SOCL 3356 Clinical Practicum/Lab. (Formerly 356) Focus is on teaching interpersonal and primary-level skills of empathy, listening, and interviewing to the introductory-level helping professional. Prerequisite: Junior or Senior in PSYC/SOCL program. Students may not earn credit in both CJUS 4356, PSYC 3356, and SOCL 3356. 4 semester credit hours. Writing Int and Engaged Learn. Typically offered: Fall, Spring and Summer Terms.

SOCL 3373 Group Processes. (Formerly 373) Introduces theory and components of group process. Opportunities to participate in functioning groups for decision making and practicing of newly developed skills. Prerequisite: SOCL 3356. Students may not earn credit in both PSYC 3373 and SOCL 3394. 3 semester credit hours. Typically offered: Periodically.

SOCL 3375 Violence in America. (Formerly 375) The threat of violence is a significant concern for individuals in many societies. In this course, violence will be studied as a social phenomenon. Topics of particular concern include: family violence, gang violence, terrorism, and homicide. Students may not earn credit in both CJUS 3375 and SOCL 3375. 3 semester credit hours. Typically offered: Periodically.

SOCL 3391 Topics in Sociology. (Formerly 391) Relevant topics according to the needs and interests of the criminal justice students. Prerequisite: SOCL 1100. 1-3 semester credit hours. Typically offered: Periodically. *Course Repeatable. Maximum number of units allowed 15.*

SOCL 4351 Research Methods in the Social Sciences. (Formerly 351/299) 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. Prerequisite: PSYC 2250 or SOCL 2250 or CJUS 2250. Students may not earn credit in both CJUS 4351, PSYC 4351, and SOCL 4351. 3 semester credit hours. Writing Intensive Course. Typically offered: Fall and Spring Terms.

SOCL 4392 Social Work Field Placement. (Formerly 392) This internship provides experience in practice in a professional agency under the supervision of a trained practitioner. Each semester. Prerequisite: SOCL 3356, Consent of the program director and field placement director prior to the 10th week of the semester preceding the field placement, and GPA of 2.5 or better. 3-6 semester credit hours. Engaged Learning. Typically offered: Fall and Spring Terms. *Department Consent Required.*

SOCL 4395 Senior Thesis. (Formerly 395) Completion of an original research project under faculty supervision, involving either an original survey design, case study, or experimental analysis. Prerequisite: PSYC 4351 or SOCL 4351 or CJUS 4351. Students may not earn credit in both CJUS 4395, PSYC 4395, and SOCL 4395. 3 semester credit hours. Engaged Learning.

SOCL 4397 Sociology Internship. (Formerly 397) Supervised experience in an on or off-campus setting related to the student's interest in sociology. Prerequisite: SOCL 3356, Consent of the program director and Internship

director prior to the 10th week of the semester preceding the field placement, and GPA of 3.0 or better. 3-6 semester credit hours. Typically offered: Fall and Spring Terms. *Department Consent Required.*

SOCL 4398 Life Span Services Internship. (Formerly 398) Supervised experience in an off-campus assisted/independent living setting. Each semester. Prerequisite: SOCL 3356, and a GPA of 3.0 or better, consent of the program director and field placement director prior to the 10th week of the semester preceding internship. 3-6 semester credit hours. Typically offered: Fall and Spring Terms. *Department Consent Required.*

Spanish

SPAN 1101 Elementary Spanish I. (Formerly 101) Introduction to the basic structure of the language. Designed to enable the student to begin to develop oral proficiency and writing skills. 3 semester credit hours. Typically offered: Fall and Spring Terms.

SPAN 1102 Elementary Spanish II. (Formerly 102) Continued study of the basic structure of the language. Designed to enable the student to continue to develop oral proficiency and writing skills. 3 semester credit hours. Typically offered: Fall and Spring Terms.

SPAN 1108 Elementary Spanish I Lab. (Formerly 108) This course involves small-group work and/or oral practice outside class with a native language assistant on a regular basis throughout the semester. Co-registration with SPAN 1101 required. 1 semester credit hour. Typically offered: Periodically.

SPAN 1109 Elementary Spanish II Lab. (Formerly 109) This course involves small-group work and/or oral practice outside class with a native language assistant on a regular basis throughout the semester. Co-registration with SPAN 1102 required. 1 semester credit hour. Typically offered: Periodically.

SPAN 2201 Intermediate Spanish I. (Formerly 201) Review of the basic structure of the language. Emphasis on extensive language practice in simulated cultural settings in order to enable students to continue to develop their oral and writing proficiency. Prerequisite: SPAN 1102 or placement. 3 semester credit hours. Typically offered: Fall and Spring Terms.

SPAN 2202 Intermediate Spanish II. (Formerly 202) Continued review of the basic structure of the language. Emphasis on extensive language practice in simulated cultural settings in order to enable students to continue to develop their oral and writing proficiency. Prerequisite: SPAN 2201 or placement. Lisle Campus: IAI H1 900. 3 semester credit hours. Typically offered: Fall and Spring Terms.

SPAN 2205 Intermediate Spanish I through Study Abroad. (Formerly 205) Credit for language courses taken through accredited programs overseas. 1-3 semester credit hours. Typically offered: Periodically.

SPAN 2206 Intermediate Spanish II through Study Abroad. (Formerly 206) Credit for language courses taken through accredited programs overseas. 1-3 semester credit hours. Typically offered: Periodically.

SPAN 2208 Intermediate Spanish I Lab. (Formerly 208) This course involves small-group work and/or oral practice outside class with a native language assistant on a regular basis throughout the semester. Co-registration with SPAN 2201 required. 1 semester credit hour. Typically offered: Periodically.

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SPAN 2209 Intermediate Spanish II Lab. (Formerly 209) This course involves small-group work and/or oral practice outside class with a native language assistant on a regular basis throughout the semester. Co-registration with SPAN 2202 required. 1 semester credit hour. Typically offered: Periodically.

SPAN 2211 Intermediate Grammar and Composition. (Formerly 211) 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. Co-registration with SPAN 2212 strongly recommended. 3 semester credit hours. Writing Intensive Course. Typically offered: Fall and Spring Terms.

SPAN 2212 Intermediate Oral Communications. (Formerly 212) Emphasis on oral proficiency, syntax, and grammar, as well as on enabling students to develop their ability to respond to the cultural challenges that face someone living in a Hispanic culture. Co-registration with SPAN 2211 is strongly recommended. Prerequisite: SPAN 2202, placement, or department consent. Important note: Native or heritage speakers of Spanish may not be required to take SPAN 2212. These students should seek a waiver of the SPAN 2212 requirement from the Chair of the Department of Languages and Literature. Any student receiving a waiver of the SPAN 2212 requirement must then take an alternative course above the SPAN 2212 level in order to earn at least 36 credit hours in Spanish for the major or 21 credit hours in Spanish for the minor, depending on the minor option chosen. 3 semester credit hours. Typically offered: Fall and Spring Terms.

SPAN 2218 Intermediate Grammar and Composition Lab. (Formerly 218) This course involves small-group work and/or oral practice outside class with a native language assistant on a regular basis throughout the semester. Co-registration with SPAN 2211 required. 1 semester credit hour. Typically offered: Periodically.

SPAN 2219 Intermediate Oral Communications Lab. (Formerly 219) This course involves small-group work and/or oral practice outside class with a native language assistant on a regular basis throughout the semester. Prerequisite: co-registration with SPAN 2212 required. 1 semester credit hour. Typically offered: Periodically.

SPAN 2221 Introduction to Hispanic Literature. (Formerly 221) Close reading of selected works of Spanish-language literature, including poetry, short stories, and plays. Students will learn about the lives of the authors and their times, and will explore the critical role of literature in the social and political development of the Spanish-speaking world. Emphasis on enabling students to develop skills in written and oral narration and description, and reading proficiency. Lisle Campus: IAI H3 916. Prerequisite: SPAN 2211 and SPAN 2212 or department consent. 3 semester credit hours. Writing Intensive, Global, QLR. Typically offered: Fall Term, Odd Years.

SPAN 2230 Spanish Civilization and Culture. (Formerly 230) Designed to allow students to work on development of language proficiency through class discussions, written assignments, and selected readings concerned with key elements of Spanish civilization: the family, the Catholic Church, the government, social relations, and how these factors have shaped the artistic, literary, and historic experience of the Spanish people. Prerequisite: SPAN 2211 and SPAN 2212 or department consent. 3 semester credit hours. Global and QHT. Typically offered: Spring Term, Even Years.

SPAN 2291 Intermediate Topics in Spanish Language and Hispanic Literature and Culture. (Formerly 291) Intermediate-level study of topics in Spanish and Latin American literature, culture, and/or civilization. Prerequisite: SPAN 2211 and SPAN 2212 or department consent. 3 semester credit hours. Typically offered: Periodically. Course Repeatable. Maximum number of units allowed 12.

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SPAN 2295 Independent Study. (Formerly 295) Designed for the intermediate student who wishes to explore an aspect of Spanish language or literature beyond the scope of the regular course offerings. 1-3 semester credit hours. *Department Consent Required. Course Repeatable. Maximum number of units allowed 12.*

SPAN 3214 Business Spanish II. (Formerly 214) Previously listed as SPAN 3214. Continued survey of the fundamental vocabulary and concepts of commercial language in Spanish. Designed to enable students to continue to improve their oral and writing proficiency in Spanish and their cultural sensitivity while developing a vocabulary for business functions. Prerequisite: SPAN 2211 and SPAN 2212, or department consent. 3 semester credit hours. Typically offered: Periodically.

SPAN 3215 Medical Spanish I. (Formerly 215) Previously listed as SPAN 3215. Survey of the fundamental vocabulary and concepts of medical language in Spanish. Students will also review grammatical structures that are often used in medical contexts. The course is designed to help students improve their oral and writing proficiency as well as their cultural sensitivity while developing specialized vocabulary to communicate effectively in Spanish in medical settings and emergency situations. Prerequisite: SPAN 2211 and SPAN 2212 or department consent. 3 semester credit hours. Typically offered: Fall Term, Even Years.

SPAN 3216 Medical Spanish II. (Formerly 216) Previously listed as SPAN 3216. Continued survey of the fundamental vocabulary and concepts of medical language in Spanish. Students will give formal presentations, engage in role-plays, practice typical health care interview routines, read texts useful for future health care professionals, learn how to interpret and fill out Spanish-language forms used by US hospitals, and study specialized medical terms in Spanish. The course is designed to enable students to continue improving their oral and writing proficiency in Spanish as well as their cultural sensitivity while developing a specialized vocabulary to communicate effectively in medical settings and emergency situations. It is strongly recommended that SPAN 3215 be taken before SPAN 3216, but it is not required. Prerequisite: SPAN 2211 and SPAN 2212 or department consent. 3 semester credit hours. Typically offered: Fall Term, Odd Years.

SPAN 3225 Legal Spanish I. (Formerly 225) Previously listed as SPAN 3225. Survey of the fundamental vocabulary and concepts of judicial language in Spanish. Designed to help students improve their oral and writing proficiency and cultural sensitivity while developing a vocabulary for the legal profession. Prerequisite: SPAN 2211 and SPAN 2212, or department consent. 3 semester credit hours. Typically offered: Periodically.

SPAN 3226 Legal Spanish II. (Formerly 226) Previously listed as SPAN 3226. Continued survey of the fundamental vocabulary and concepts of judicial language in Spanish. Designed to enable students to continue to improve their oral and writing proficiency in Spanish and their cultural sensitivity while developing a vocabulary for legal functions. Prerequisite: SPAN 2211 and SPAN 2212, or department consent. 3 semester credit hours. Typically offered: Periodically.

SPAN 3231 Latin American Civilization and Culture. (Formerly 231) Designed to allow students to work on development of language proficiency through class discussions, written assignments, and selected readings concerned with key elements of Latin American civilization: the family, the Catholic Church, indigenous peoples and religions, social and political movements, and how these factors have shaped the artistic, literary, and historic experience of Latin American peoples. Prerequisite: SPAN 2211 and SPAN 2212, or department consent. 3 semester credit hours. Global Course. Typically offered: Spring Term, Odd Years.

SPAN 3297 Intermediate Internship. (Formerly 297) Professional experience designed to enhance language proficiency and cultural understanding by working in a human service agency, an educational institution, or a

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business organization where Spanish is the primary language. Prerequisite: Approved application. 1-6 semester credit hours. Engaged Learning. *Department Consent Required.*

SPAN 3307 Advanced Spanish Literature. (Formerly 307) Study of representative literary works. Discussion of the political, social, economic, and religious issues reflected in the works. Emphasis on enabling students to develop skills in oral and written analysis, narration and description in Spanish, as well as to strengthen reading proficiency. Prerequisite: SPAN 2211 and 2212 or department consent. 3 semester credit hours. Global Course. Typically offered: Spring Term, Odd Years.

SPAN 3310 Advanced Hispanic Literature. (Formerly 310) Study of representative literary works. Discussion of the political, social, economic, and religious issues reflected in the works. Emphasis on enabling students to develop skills in oral and written analysis, narration and description in Spanish, as well as to strengthen reading proficiency. Prerequisite: SPAN 2211 and 2212 or department consent. 3 semester credit hours. Global Course. Typically offered: Spring Term, Even Years.

SPAN 3350 Competency in Latino Culture for Health Care. (Formerly 350) Continued emphasis on developing oral and writing proficiency in Spanish, particularly as related to the language used in health care settings and/or emergency situations. In addition, students will learn about and discuss in Spanish aspects of the culture of the various Spanish-speaking countries or Latino communities in the US of particular interest to health care professionals and/or emergency responders. For example, students will develop cultural and linguistic competency by exploring cultural and racial diversity in the Spanish-speaking world; Latinos in the US; the traditional Hispanic diet; traditional medicine, remedies, practices, and beliefs in the Hispanic world; health care systems in some major Spanish-speaking countries; cultural and religious sensitivities that can affect the quality of health care that Latinos receive in the US; and socio-economic challenges facing the Hispanic population in the US that impact access to and quality of health care. This class may include a short service-learning experience. (Spanish majors will NOT be able to use this experience in place of the study abroad requirement.) It is strongly recommended that SPAN 3215 and/or SPAN 3216 be taken before SPAN 3350, but it is not required. Prerequisite: SPAN 2211 and SPAN 2212 or department consent. 3 semester credit hours. Global Course. Typically offered: Spring Term, Odd Years.

SPAN 3360 Introduction to Medical Interpretation in Spanish. (Formerly 360) This course provides students with: a) ample opportunities to improve their oral and writing proficiency in Spanish, particularly as related to the grammatical structures and specialized terminology most commonly used in medical settings, b) exposure to some of the most frequently encountered colloquial and formal dialectal variations in the Spanish-speaking world, c) extensive practice interpreting oral and written medically-related discourse from Spanish to English and vice versa in all three main modes of interpretation (consecutive, simultaneous, and sight translation), d) exposure to some common traditional medical beliefs and practices of the US Latino population, e) a brief overview of the most significant differences between the U.S. health care system and that of some major Spanish-speaking countries, f) familiarity with issues related to the profession of medical interpretation such as the ethical, legal, and personal self-care responsibilities of a professional medical interpreter; cultural conflict in medical settings and strategies to resolve it; common health care interview routines and related forms; standard interpreting protocols; and detailed information on the minimal qualifications and procedures necessary to become a fully certified medical interpreter. This class may include a short service-learning experience. (Spanish majors will NOT be able to use this experience in place of the study abroad requirement.) It is strongly recommended that SPAN 3215 and/or SPAN 3216 be taken before SPAN 3360, but it is not required. Prerequisite: SPAN 2211 and SPAN 2212 or department consent. 3 semester credit hours. Typically offered: Fall Term, Odd Years.

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SPAN 3391 Advanced Topics in Spanish Language and Hispanic Literature and Culture. (Formerly 391) Advanced level study of topics in Spanish and Latin American culture, civilization, and/or literature. Prerequisite: SPAN 2211 and SPAN 2212 or department consent. 3 semester credit hours. Typically offered: Periodically. *Course Repeatable. Maximum number of units allowed 12.*

SPAN 3395 Independent Study. (Formerly 395) Designed for the advanced student who wishes to explore an aspect of Spanish language or Hispanic literature, civilization, or culture beyond the scope of the regular course offerings. 1-3 semester credit hours. *Department Consent Required. Course Repeatable. Maximum number of units allowed 12.*

SPAN 4311 Advanced Composition. (Formerly 311) Designed to enable students to improve writing skills through extensive practice and intensive study of various forms of written communication. Prerequisite: SPAN 2211 and SPAN 2212 or department consent. 3 semester credit hours. Writing Intensive Course. Typically offered: Fall Term, Even Years.

SPAN 4312 Advanced Oral Communications. (Formerly 312) Continued emphasis on developing oral proficiency and on improving oral syntax and grammar in Spanish. Students will work on their ability to respond to the communication challenges faced when living in a Hispanic culture and/or working in a variety of professional settings requiring some proficiency in the Spanish language. Typically taught concurrently with SPAN 4313, SPAN 4314, and /or SPAN 4315. Prerequisite: SPAN 2211 and SPAN 2212 or department consent. 3 semester credit hours. Typically offered: Spring Term, Even Years.

SPAN 4313 Advanced Oral Medical Spanish. (Formerly 313) Continued emphasis on developing oral proficiency and on improving oral syntax and grammar in Spanish. Students will work on their ability to respond to the communication challenges faced when using Spanish in authentic professional contexts, particularly those related to health care issues (including physical and mental well-being, and nutrition). Typically taught concurrently with SPAN 4312, SPAN 4314, and /or SPAN 4315. Prerequisite: SPAN 2211 and SPAN 2212 or department consent. 3 semester credit hours. Typically offered: Spring Term, Even Years.

SPAN 4314 Advanced Oral Business Spanish. (Formerly 314) Continued emphasis on developing oral proficiency and on improving oral syntax and grammar in Spanish. Students will work on their ability to respond to the communication challenges faced when using Spanish in authentic professional contexts, particularly those related to the business world. Prerequisite: Span 2211 and 2212 or department consent. Typically taught concurrently with SPAN 4312, SPAN 4313, and /or SPAN 4315. 3 semester credit hours. Typically offered: Spring Term, Even Years.

SPAN 4315 Advanced Oral Legal Spanish. (Formerly 315) Continued emphasis on developing oral proficiency and on improving oral syntax and grammar in Spanish. Students will work on their ability to respond to the communication challenges faced when using Spanish in authentic professional contexts, particularly those related to law and law-enforcement issues. Prerequisite: Span 2211 and 2212, or department consent. Typically taught concurrently with SPAN 4312, SPAN 4313, and /or SPAN 4314. 3 semester credit hours. Typically offered: Spring Term, Even Years.

SPAN 4397 Advanced Internship. (Formerly 397) Advanced professional experience designed to enhance language proficiency and cultural understanding by working in a human service agency, an educational institution or a business agency in a country where Spanish is the primary language. Prerequisite: Approved application. 1-6 semester credit hours. Engaged Learning. *Department Consent Required.*

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Sports Exercise Science

SES 1103 General Phys Fitness. (Formerly PHED 103) Introduction to physical fitness techniques. Various exercises and safety issues are addressed. 1 semester credit hour.

SES 1107 Weight Training. (Formerly PHED 107) This course includes the theory and practice of strength training including weights and other modes of resistive training. 1 semester credit hour. Typically offered: Fall Term. *Department Consent Required.*

SES 1112 Aerobic Conditioning. (Formerly PHED 112) Various types of exercises and programs are explored, with a focus on aerobic workouts. The routines are designed to be simple enough for all individuals to be successful as they move toward cardiovascular fitness. Students will gain knowledge of basic physical fitness, exercise, and nutrition principles. Students will develop and obtain the ability to apply these skills in a safe, effective and responsible manner. 1 semester credit hour. Typically offered: Fall Term.

SES 1113 Beginning Yoga. (Formerly PHED 113) This course is designed to introduce the foundation poses of hatha yoga, the basics of healthy posture, simple breathing techniques, and progressive deep relaxation skills. 1 semester credit hour. Typically offered: Fall Term.

SES 1114 Beginning Pilates. (Formerly PHED 114) This course is designed to introduce the history and basic foundations of Pilates, including an introduction to beginning Pilates exercises and their proper execution. Focuses on core strength, postural alignment, breath control, basic skeletal-muscular anatomy, and function involved in the Pilates program. 1 semester credit hour. Typically offered: Spring Term.

SES 1137 Physical Fitness and Technology. (Formerly PHED 137) Introduction to purposeful daily physical activity using step counters to measure physical activity and set physical activity goals. Various exercises and safety issues are addressed. use and value of technology when integrating these types of activities. 1 semester credit hour. Typically offered: Annually.

SES 1198 Health and Fitness Professional Seminar. (Formerly PHED 198) This course provides students with an opportunity to engage in practical and performance activities required for various certifications in the health and fitness profession. Topics will also include the requirements and content for certification exams. Students must have junior or senior standing. This class is limited to Exercise and Sports Studies and Physical Education majors only. Prerequisites: BIOL 1155, BIOL 2206 and SES 3302. 1 semester credit hour.

SES 2200 Introduction to Exercise Science. (Formerly PHED 200) This course is an introduction to the field of exercise science as a discipline and profession. Topics include areas of physical activity experience and scholarship. Physical activity sub-topics include philosophy, history, sociology, motor behavior, psychology, biomechanics, and physiology. And introduction and overview to careers in sport and exercise are also overviewed. 3 semester credit hours. Typically offered: Fall Term.

SES 2216 Sport Sociology. This course examines how sport and society interact. Topics include sport participation, deviance and violence, demographics, economy, media, politics, education, and religion. 3 semester credit hours. Global and Sustainability. Typically offered: Spring Term.

SES 2237 Sport Psychology. (Formerly PHED 237) This course examines fundamental theories of psychology applied to sport organization, management, participation, and influence of major players in sport. This course

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will also discuss theories of learning, effects of motivation, personality, and attitude, as well as psychological effects of exercise. 3 semester credit hours. Typically offered: Fall Term. *Department Consent Required.*

SES 2270 Motor Learning. (Formerly PHED 270) This course examines principles of motor performance and learning. Focus is on building a strong understanding of how skills are acquired and perfected with practice. This course also explores how to apply the concepts to a variety of real-world settings by incorporating familiar scenarios. 3 semester credit hours. Typically offered: Spring Term.

SES 3261 Athletic Injury Care and Prevention. (Formerly PHED 261) This course is an introduction to basic concepts of prevention of athletic injuries, injury recognition, and treatment necessary for the management of athletic injuries. Prerequisite: BIOL 1155, BIOL 1157, or BIOL 2203. 3 semester credit hours. Typically offered: Annually.

SES 3265 Principles of Biomotor Training. (Formerly PHED 265) This course examines methods of teaching biomotor skills (i.e., endurance, speed, flexibility, coordination, and strength) and their derivative applications (e.g., agility, quickness, power). Emphasis is on creating effective training tasks for athletes and clients. Prerequisite: SES 2270 or program director consent. 3 semester credit hours. Typically offered: Spring and Summer Terms. *Department Consent Required.*

SES 3275 Principles of Coaching I. (Formerly PHED 275) This course is an introduction to effective coaching skills. Topics include methods of providing effective explanations, demonstrations, and feedback to coaches. Students will participate in "micro-coaching" sessions to demonstrate competency in these skills. Prerequisite: 60 completed credit hours. 3 semester credit hours. Typically offered: Fall Term.

SES 3297 Field Experience in Sport and Exercise Science I. This is a supervised introductory field experience in one or more professional settings. The field experience requires 50 contact hours per semester hour of credit 1 semester credit hour. Typically offered: Fall and Spring Terms.

SES 3298 Field Experience in Sport and Exercise Science II. This is a supervised introductory field experience in one or more professional settings. The field experience requires 50 contact hours per semester hour of credit. Prerequisite "C" or better in SES 3297. 1 semester credit hour. Typically offered: Fall and Spring Terms.

SES 3299 Field Experience III. (Formerly PHED 299) This is a supervised introductory field experience in one or more professional settings. The field experience requires 50 contact hours per semester hour of credit. Prerequisite: 60 completed credit hours. 1-3 semester credit hours. 2 semester credit hours. Engaged Learning. Typically offered: Fall and Spring Terms.

SES 3302 Applied Kinesiology. (Formerly PHED 302) This course is examines musculoskeletal anatomy and its roles in human motion. Topics include origin and insertion of muscles, neuromuscular innervation, and requisite muscles for movement. Prerequisite: BIOL 1155, 1157 or 3203. 3 semester credit hours. Typically offered: Fall Term.

SES 3303 Sport Administration. (Formerly PHED 303) This course investigates administrative tasks of sport professionals. Topics include sport management strategies, facility and event management, and legal and ethical issues related to sport. Prerequisite: 60 completed credit hours. 3 semester credit hours. Typically offered: Spring Term. *Department Consent Required.*

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SES 3305 Measurement and Evaluation for Physical Education. (Formerly PHED 305) This course provides students with an understanding of current assessment techniques for physical education and physical fitness in order to select and use developmentally appropriate strategies and instruments that align with physical education learning goals. Students will also learn to apply performance data to make informed curricular decisions relative to the physical education program. 3 semester credit hours. Typically offered: Fall Term. *Department Consent Required.*

SES 3326 Facility Planning for Health and Physical Activity. (Formerly PHED 326) This course will introduce students to the theories, principles, and applications of community-based comprehensive planning of recreational and sport venues. This will include current practices in planning, design, and development. Prerequisite: Junior/Senior standing. 3 semester credit hours. Typically offered: Spring Term.

SES 3355 Biomechanics. (Formerly PHED 355) This course investigates the biomechanical design of human skeletal muscles and their interactions with the skeletal system. Kinetics and Kinematics are both investigated in detail. Investigation and application of mechanical principles to the study of human motion and the motion of sport objects is emphasized. Qualitative and quantitative analysis of the human movement is investigated as well. 3 semester credit hours. Typically offered: Spring Term.

SES 3375 Principles of Coaching II. This is an introduction to effective coaching skills. Topics include methods of developing program goals and conducting program evaluation. Emphasis is on post-coaching reflection and goal-setting for improved coaching behaviors 3 semester credit hours. Typically offered: Spring Term.

SES 4201 Exercise Assessment and Prescription. (Formerly PHED 201) This course examines the assessment of biomotor skills (i.e., endurance, speed, flexibility, coordination, and strength) and their derivative applications (e.g., agility, quickness, power.) Creation and prescription of performance outcome-focused training sessions is emphasized. Prerequisite: 90 completed credit hours. 3 semester credit hours. Typically offered: Fall Term.

SES 4284 Training Special Populations. This course examines considerations for clients with unique needs. Topics include various conditions and disorders, cancer, children and adolescents, geriatrics, and female-specific conditions. Emphasis is on recognition and exercise accommodation. Emphasis is on preparation for the National Strength and Conditioning Association Certified Special Population Specialist exam (CSPS). 3 semester credit hours. Typically offered: Periodically.

SES 4310 Research Methods in Sport and Exercise Science. (Formerly PHED 310) This course examines the analysis and synthesis of research in sport and exercise science. Emphasis is on basic interpretation and reporting of research findings from peer-reviewed journals. Prerequisite: PSYC 2250; 90 completed credit hours. 3 semester credit hours. Writing Intensive Course.

SES 4313 Scientific Principles of Strength and Conditioning. (Formerly PHED 313) . This course examines physiological responses and adaptations to exercise and training. Subtopics include mechanisms of muscle hypertrophy, endocrine and metabolic responses to aerobic and anaerobic exercise, mechanisms of overtraining, and rest and recovery techniques and their inclusive mechanisms. 3 semester credit hours.

SES 4314 Exercise Planning and Programming. (Formerly PHED 314) This course examines methods of organizing training through a periodized approach. Periodization methods for biomotor skills (i.e., endurance, speed, flexibility, coordination, and strength) and their derivative applications (e.g., agility, quickness, power) are emphasized. Sub-topics include multiple methods of organizing and arranging macrocycles, mesocycles, and

microcycles. Methods of tapering and peaking are addressed. Prerequisite: 90 completed credit hours. 3 semester credit hours. Typically offered: Fall Term. *Department Consent Required.*

SES 4319 Senior Thesis. This course allows a student to do independent research under the guidance of a faculty member. Emphasis is on review of literature, ethical approval of research, data collection, analysis, and reporting of findings. 1-3 semester credit hours. Typically offered: Periodically. *Department Consent Required.*

SES 4323 Principles of Personal Training. This course is an introduction to personal training. Topics include client consultation and appraisal, fitness assessment and testing, exercise technique, program design, unique needs of clients, and safety and legal issues. Emphasis is on preparation for the National Strength and Conditioning Association Certified Personal Trainer exam (NSCA-CPT). 3 semester credit hours. Typically offered: Periodically.

SES 4391 Special Topics in Sport and Exercise Science. (Formerly PHED 391) Course topic to be chosen by instructor. Prerequisite: 60 completed credit hours. 3 semester credit hours. Typically offered: Periodically. *Course Repeatable. Maximum number of units allowed 9.*

SES 4399 Internship. (Formerly PHED 399) . This is a supervised internship in an approved exercise/sport/fitness setting. Internship setting is approved by course instructor. The internship requires 150 on-site contact hours. Prerequisite 2.75 GPA; 90 completed credit hours; department consent. 3-6 semester credit hours. Engaged Learning. Typically offered: Spring Term. *Department Consent Required. Course Repeatable. Maximum number of units allowed 12.*

SES 4499 Professional Preparation Capstone. This course reviews content from all major coursework. Emphasis is in preparation for the National Strength and Conditioning Association Certified Strength and Conditioning Specialist (NSCA-CSCS) exam. 3 semester credit hours. Typically offered: Spring Term. *Department Consent Required.*

Study Abroad

SAB 2291 Study Abroad. Study Abroad Experience. Students must work with International Programs and Services for approval. 6-18 semester credit hours. Global and Engaged Learning. Typically offered: Fall, Spring and Summer Terms. *Department Consent Required. Course Repeatable. Maximum number of units allowed 36.*

Theology

THEO 1101 Theology of Love. (Formerly 101) Christianity teaches that God is love and this course unpacks what that statement means. We will examine the concept of "God is Love" in the systematic theology of the Trinity, the sacramental theology of the Eucharist and Marriage, and the Catholic understanding of the moral life. 3 semester credit hours. Religious/Theological MIO. Typically offered: Fall Term, Even Years.

THEO 1102 Theology of Justice. (Formerly 102) 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 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 credit hours. Religious/Theological MIO. Typically offered: Spring Term, Odd Years.

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THEO 1103 Theology of Freedom. (Formerly 103) 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 credit hours. Religious/Theological MIO. Typically offered: Fall Term, Odd Years.

THEO 2104 Faith and Science. (Formerly 104) This course examines the relationships between faith, reason, Catholic theology, and 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. 3 semester credit hours. Religious/Theological MIO. Typically offered: Spring Term, Even Years.

THEO 2160 Jesus Christ. (Formerly 160) Studies the images of Jesus Christ in the New Testament and the development of Christological doctrine in subsequent Christian thought. 3 semester credit hours. Religious/Theological MIO. Typically offered: Fall Term, Even Years.

THEO 2162 Christ and the Church. This course will introduce students to christology (study of Jesus Christ) and ecclesiology (study of the Church, a.k.a., the community of believers and "body of Christ"), two fundamental aspects of the Christian faith. We will explore Christ and the Church not only through key biblical and doctrinal texts, but also as expressed in art, devotional works, prayers, rituals, and a spectrum of local/international organizational structures. 3 semester credit hours. Religious/Theological MIO. Typically offered: Fall Term, Odd Years.

THEO 2203 Sacramental Theology. (Formerly 203) Study of the history, meaning, and theological significance of the sacraments in Catholic theology. 3 semester credit hours. Religious/Theological MIO. Typically offered: Fall Term, Odd Years.

THEO 2204 Catholic Spirituality. (Formerly 204) Examines the historical and contemporary contexts of Catholic spirituality. 3 semester credit hours. Religious/Theological MIO. Typically offered: Fall Term, Even Years.

THEO 2207 Catholic Social Teaching. (Formerly 207) Course examines the history and contemporary application of Catholic social teaching. 3 semester credit hours. Religious/Theological MIO. Typically offered: Spring Term, Even Years.

THEO 2208 Marriage and the Family. (Formerly 208) Course examines Catholic theological, social and ethical teachings on cultural conceptions of families, sexual identities, politics and procreation. 3 semester credit hours. Religious/Theological MIO. Typically offered: Spring Term, Odd Years.

THEO 2213 COR Ministry Internship. (Formerly 213) COR Ministry Internship Engaged Learning. Typically offered: Periodically. *Department Consent Required. Course Repeatable. Maximum number of units allowed 12.*

THEO 2223 History of Christian Thought. In this course students will study the grand sweep of Christian thought and practice, from the earliest Christian communities, councils, and creeds, to the great christological controversies, to the rise of monastic and scholastic theology, to early modern devotion, spirituality, and mission, up to contemporary lay movements and the global church. 3 semester credit hours. Religious/Theological MIO. Typically offered: Fall Term, Even Years.

THEO 2235 Interreligious Dialogue. (Formerly 235) 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 credit hours. Religious/Theological MIO. Typically offered: Fall Term.

THEO 2252 Business Ethics in the Context of Catholic Social Teaching. (Formerly 252) 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 credit hours. Global, Sustainable, QRT. Typically offered: Fall Term.

THEO 2270 Benedictine Wisdom. (Formerly 270) This course will introduce students to the most prominent theologians of the Benedictine Order (and related monastic traditions) throughout history, from St. Benedict himself to medieval mystical theologians such as Bernard of Clairvaux and Hildegard of Bingen, to modern greats such as the Trappist Thomas Merton. Cross-listed as THEO 2270/370. 3 semester credit hours. Writing Intensive and QRT. Typically offered: Spring Term, Odd Years.

THEO 2281 Mothers of the Church. (Formerly 281) In this course, students will study the writings of some of the most influential Catholic theologians of all time (many of whom are also doctors of the church), including Hildegard of Bingen, Catherine of Siena, Julian of Norwich, Teresa of Avila, Thérèse of Lisieux, and Dorothy Day. 3 semester credit hours. Writing Intensive and QRT. Typically offered: Spring Term, Even Years.

THEO 2291 Topics. Investigation of theological subjects offered at an introductory level according to the interest of faculty and students. 3 semester credit hours. Religious/Theological MIO. Typically offered: Periodically. *Course Repeatable. Maximum number of units allowed 12.*

THEO 3307 Conflicts in Catholic Social Teaching. (Formerly 307) This course examines the conflict of goods when applying Catholic Social Teaching (CST) in the modern world. The course examines the documents of the tradition in light of the impact of political ideologies, social realities and philosophical assumptions that create the conditions of conflict and controversies in areas modern societies. 3 semester credit hours. Typically offered: Annually.

THEO 3323 History and Hermeneutics. Advanced students will have the opportunity deeply read and analyze key texts in the tradition, paying special attention to diverse historical/geographical contexts and a broad spectrum of exegesis (methods of interpretation). 3 semester credit hours. Typically offered: Fall Term, Even Years.

THEO 3381 Fathers of the Church. In this course, students will study the writings of some of the most influential Catholic theologians of all time (many of whom are also doctors of the church), including Gregory of Nyssa, Basil the Great, John of Damascus, Augustine, and Aquinas. 3 semester credit hours. Typically offered: Spring Term, Even Years.

THEO 3391 Advanced Topics. (Formerly 391) Advanced topics in Theology. 3 semester credit hours. *Department Consent Required. Course Repeatable. Maximum number of units allowed 3.*

THEO 4399 Senior Seminar. (Formerly 399) The senior seminar involves research of a topic which relates theology and a secular discipline of their choice. The capstone project is a 12,000-word (40 pp) thesis plus a

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retreat at the Abbey. 3 semester credit hours. Writing Int and Engaged Learn. Typically offered: Spring Term.
Department Consent Required.

THEO 4405 Theological Methods. This course studies the practice of academic Catholic Theology. The student will examine Scripture, Tradition and interpretative traditions through the history of Catholic thought. Key questions will be studied: How do we interpret Scripture today? How is tradition authoritative? Is there development of doctrine? How do we read the signs of the times and make the tradition understandable to today's audience? 3 semester credit hours. Typically offered: Fall Term.

Writing Program

WRIT 1101 Writing Colloquium. (Formerly 101) 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. 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. IAI CI900. 3 semester credit hours. Typically offered: Fall and Spring Terms.

WRIT 1102 Research Writing. (Formerly 102) A course that introduces students to writing in the disciplines of literature, social sciences, sciences, or business. Students study types of writing in the discipline, learn advanced library research techniques, write brief literature reviews, and develop and write significant research papers. IAI CI901R. 3 semester credit hours. Typically offered: Fall and Spring Terms.

WRIT 99 Preparation for College Writing. A course for students who need more writing experience before taking WRIT-1101. This course is designed to improve basic sentence and paragraph skills. Extensive practice with reading skills, basic grammar, standard English, and sentence structure. Course includes both class and individualized instructions, as well as required out-of-class workshops. 3 semester credit hours. Typically offered: Spring Term. *Department Consent Required.*



Benedictine
University

FACULTY DIRECTORIES

COB	http://www.ben.edu/college-of-business/faculty-staff/faculty.cfm
COS	http://www.ben.edu/college-of-science/people/faculty-and-staff-directory.cfm
COEHS	http://www.ben.edu/college-of-education-and-health-services/faculty-staff/index.cfm
COLA	http://www.ben.edu/college-of-liberal-arts/departments.cfm

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Benedictine
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UNIVERSITY PRESIDENT

Charles W. Gregory

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