



COURSE DESCRIPTIONS

History [page 310]

HIST 1142 World History Since: 1600. (Formerly 142) An overview of the history of the world from the emerging modern era to the present. The focus will be on the global, political, social, economic, cultural and environmental issues shaping the societies and the people of the modern world. 3 semester credit hours. Historical MOI. Typically offered: Spring Term.

Honors [page 316]

HNRS 2201 Catholic and Benedictine Intellectual Traditions. (Formerly 201) Interdisciplinary seminar focused on various religious and philosophical traditions, including one or more Catholic or Benedictine hallmarks. Counts as IDS 201. 3 semester credit hours. Writing Intensive. Typically offered: Spring Term. *Department Consent Required.*

Nursing and Health [page 358]

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. Meets requirement for IDS 3300 level seminar and Global Course designation. Typically offered: Fall, Spring and Summer Terms.

Nutrition [page 360]

NUTR 3241 Nutrition through the Life Cycle. (Formerly 241) A life cycle approach to nutrition science; incorporates nutrient availability, function and sources; energy balance; lifestyle health risk factors; with a focus on special nutrient needs for various stages of the life cycle. Students are introduced to the case study process. ONLY for majors and minors in the Department of Nutrition. 3 Semester credit hours. Typically offered: Fall and Spring Terms. *Department Consent Required.*

The policy information contained on this page is from the 2019-2020 Undergraduate Catalog and is effective as of August 1, 2019 until revised by Benedictine University. Academic requirements are based on student's effective catalog for term of admission to degree program.



Philosophy [page 367]

PHIL 4491 Selected Topics (Advanced). Special philosophical issues offered at the advanced level for majors and minors, according to the interest of faculty and students. Prerequisite: 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.*

Physics [page 369]

PHYS 1107 Earth and Space Science. (Formerly 107) A physical science laboratory course that includes the study of key principles of Earth and Space Science through the investigation of real world problems. The earth science component includes the study of large-scale dynamic forces, events, and processes that affect the Earth's land, water, and atmospheric systems, identification and evaluation of the uses of the Earth's resources, and the processes involved in the life cycle. The space science component focuses on concepts that explain the composition, structure of and changes in the universe and Earth's place in it. By working and studying within the context of a real world problem, students learn how scientific principles are used and applied in everyday life. 4 Semester credit hours. Typically offered: Spring Term.

Sports Exercise Science [pages 393 and 396]

SES 1123 Advanced Yoga. Advanced yoga practices for students with yoga background. Various exercises and safety issues are addressed. 1 semester credit hour. Typically offered: Periodically.

SES 1124 Advanced Pilates. Advanced Pilates practices for students with yoga background. Various exercises and safety issues are addressed. 1 semester credit hour. Typically offered: Periodically.

SES 3326 Sports Administration II. (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.

Theology [page 397]

THEO 2150 Introduction to the Bible. (Formerly RELS/THEO 150) A close reading of selections from the Christian Bible which examines historical background, literary composition, and general content of the books of the Hebrew Bible ("Old" Testament) and the New Testament. Cross-listed as RELS/THEO 2150. 3 Semester credit hours. Religious/Theological MIO. Typically offered: Spring Term.

ACADEMIC PROGRAMS

Biology [page 110]

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 1108 (if required based on placement), 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.

Chemistry [page 126]

Requirements - Major:

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 4361(3) or CHEM 3261(3); 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.

Data Science [page 140]

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), and CMSC 4398 (3). Students must also complete three of the four courses: CMSC 4373(3), CMSC 4380(3), CMSC 4363(3), or CMSC 4383(3).

The policy information contained on this page is from the 2019-2020 Undergraduate Catalog and is effective as of August 1, 2019 until revised by Benedictine University. Academic requirements are based on student's effective catalog for term of admission to degree program.

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.

Health Science [page 179]

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; 7 semester credit hours of natural science electives at the 2000 level or above. All majors must complete at minimum 6 credits in the major at the 4000 level or higher and 18 credits at the 3000 level or higher. 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.

The policy information contained on this page is from the 2019-2020 Undergraduate Catalog and is effective as of August 1, 2019 until revised by Benedictine University. Academic requirements are based on student's effective catalog for term of admission to degree program.