BIOLOGICAL SCIENCES

BSC 1005, General Biological Science General Biological Science
3 hrs., 3 crs.,
(Offered fall, spring, and summer). Satisfactory completion of ENC0022 or appropriate placement score is recommended. Cannot be used to satisfy degree requirements by students who already have credit in BSC2010 or BSC2011. This course applies the scientific method to critically examine and explain the natural world including but not limited to cells, organisms, genetics, evolution, ecology, and behavior.

BSC 1005H, Honors General Biological Science Honors General Biological Science
3 hrs., 3 crs.,
(Offered fall, spring, and summer). Satisfactory completion of ENC0022 or appropriate placement score is recommended. Cannot be used to satisfy degree requirements by students who already have credit in BSC2010 or BSC2011. This course applies the scientific method to critically examine and explain the natural world including but not limited to cells, organisms, genetics, evolution, ecology, and behavior.

BSC 1005L, General Biological Science Laboratory General Biological Science Laboratory
2 hrs., 1 cr.,
$54.00 lab fee (Offered fall and spring). The General Biological Science Laboratory (BSC1005L) course offers laboratory experiences that include chemistry of life, genetics and molecular biology, inheritance patterns, evolution theory, diversity of life on earth, ecological principles, and conservation biology. Activities Include contemporary laboratory investigations, organismal observations and dissections, and ecological investigations.

BSC 1020, Human Biology Human Biology
3 hrs., 3 crs.,
(Offered fall, spring, and summer). Satisfactory completion of ENC0022 or appropriate placement score is recommended. Cannot be used to satisfy degree requirements by students who already have credit in BSC2010 or BSC2011. A basic general education course designed to give the student an understanding of the cellular basis of life, genetics and inheritance, and how the different systems in the body function.

BSC 1020L, Human Biology Lab Human Biology Lab
2 hrs., 1 cr.,
$27.00 lab fee. (Offered fall and spring). Recommended for students with the requirement of a science laboratory in their program track. Laboratory activities include the use of the microscope, cell and tissue study, chemical aspects of cell and tissue study, chemical aspects of cells and digestion, the study of human organ systems with the dissection of the fetal pig, and genetics.

BSC 2010, Biology for Science Majors I Biology for Science Majors I
3 hrs., 3 crs.,
(Offered fall and spring). Prerequisites: CHM1025 or equivalent with a minimum grade of "C." Corequisite: BSC2010L. College-level placement in English and reading recommended prior to taking this course. In this course students will apply the scientific method to critically examine and explain the natural world. This course will cover molecular biology, cellular biology, genetics, metabolism, and replication.

BSC 2010H, Honors Biology For Science Majors I Honors Biology For Science Majors I
3 hrs., 3 crs.,
(Offered fall and spring). Prerequisites: CHM1025 or equivalent with a minimum grade of "C." Corequisite: BSC2010L. College-level placement in English and reading recommended prior to taking this course. In this course students will apply the scientific method to critically examine and explain the natural world. This course will cover molecular biology, cellular biology, genetics, metabolism, and replication.

BSC 2010L, Biology for Science Majors Laboratory I Biology for Science Majors Laboratory I
3 hrs., 1 cr.,
$63.00 lab fee. (Offered fall and spring). Corequisite: BSC2010. A laboratory course to be taken concurrently with BSC2010. Laboratory experiences will relate to the chemical and physical aspects of life, cellular processes, photosynthesis and cellular respiration, mitosis and meiosis, and genetics.

BSC 2011, Biology for Science Majors II Biology for Science Majors II
3 hrs., 3 crs.,
(Offered spring). Prerequisites: BSC2010. Corequisite: BSC2011L. The second sequence course for students majoring in the life sciences. Concentration is on diversity of life. Topics covered include plant and animal tissues, principles of ecology, population genetics, and evolution.

BSC 2011H, Honors Biology For Science Majors II Honors Biology For Science Majors II
3 hrs., 3 crs.,
(Offered spring). Prerequisites: BSC2010. Corequisite: BSC2011L. The second sequence course for students majoring in the life sciences. Concentration is on diversity of life. Topics covered include plant and animal tissues, principles of ecology, population genetics, and evolution.

BSC 2011L, Biology For Science Majors Laboratory II Biology For Science Majors Laboratory II
3 hrs., 1 cr.,
$58.00 lab fee. (Offered spring). Corequisite: BSC2011. A laboratory course to be taken concurrently with BSC2011. Laboratory experiences will include structure and function of plants and animals, ecological principles, and evolution. Activities include field trips, experiments in physiology, and dissections.

BSC 2085, Human Anatomy and Physiology I Human Anatomy and Physiology I
3 hrs., 3 crs.,
(Offered fall, spring, and summer). Corequisite: BSC2085L or consent of Natural Sciences division chair. This course is the first part of a two-semester sequence in which students examine human anatomy and physiology through a systems approach based on the interaction between form and function, from the microscopic components of cells and tissues to the organismal level. Emphasis is placed on histology and the integumentary, skeletal, muscular, and nervous systems. This course is not intended for biology majors. Satisfactory completion of BSC1020 or high school biology during the last 5 years is strongly recommended.

BSC 2085L, Human Anatomy and Physiology I Laboratory Human Anatomy and Physiology I Laboratory
2 hrs., 1 cr.,
$29.00 lab fee. (Offered fall, spring, and summer). Corequisite: BSC2085. Laboratory experiences related to lecture material, including microscope usage, membrane physiology, cell structure, and survey of tissues. Using appropriate dissection and histology slides the skeletal, muscular, cardiovascular, and respiratory systems will be studied.

BSC 2086, Human Anatomy and Physiology II Human Anatomy and Physiology II
3 hrs., 3 crs.,
(Offered fall, spring, and summer). Prerequisite: BSC2085 with a minimum grade of "C." Corequisite: BSC2086L. This course is the second part of a two-semester sequence human anatomy and physiology for health science majors and offered as second of two semester course. This course is not intended for biology majors.

BSC 2086H, Honors Anatomy and Physiology II Honors Anatomy and Physiology II
3 hrs., 3 crs.,
Prerequisite: BSC2085 with a minimum grade of "C." Corequisite: BSC2086L. A study of the lymphatic system, fluid balance, the nervous system and special senses, the digestive system, the urinary system, the endocrine system, and the reproductive system. Structure and function taught concurrently. This course is not intended for biology majors.

BSC 2086L, Human Anatomy and Physiology II Laboratory Human Anatomy and Physiology II Laboratory
2 hrs., 1 cr.,
$52.00 lab fee. (Offered fall, spring, and summer). Prerequisite: BSC2085L with a minimum grade of "C." Corequisite: BSC2086. A laboratory course to be taken concurrently with BSC2086. Laboratory experiences will relate to the lecture material and will include histology studies and appropriate dissections to study the lymphatic, nervous, digestive, urinary, endocrine, and reproductive systems.

BSC 2311, Introduction to Marine Biology Introduction to Marine Biology
3 hrs., 3 crs.,
(Offered fall). Satisfactory completion of high school biology and chemistry during the last five years is strongly recommended. An introduction to the features of the world ocean and the major groups of living marine organisms that inhabit it. Physical, chemical, and biological interrelationships are emphasized. This course is not intended for biology majors, nor will it serve as a requirement for marine biology majors.

BSC 2311H, Honors Marine Biology Honors Marine Biology
3 hrs., 3 crs.,
(Offered fall). Satisfactory completion of high school biology and chemistry during the last five years is strongly recommended. An introduction to the features of the world ocean and the major groups of living marine organisms that inhabit it. Physical, chemical, and biological interrelationships are emphasized. This course is not intended for biology majors, nor will it serve as a requirement for marine biology majors.

BSC 2949, COOP/Work Experience/Biology COOP/Work Experience/Biology
1 hr., 1 cr.,
1-3 crs. Cooperative Education courses may be taken toward completion of most of the Associate in Arts and Associate in Science degree programs. A maximum of six credit hours may be used in meeting the A.A. degree requirements. Prerequisite: Minimum of 2.0 GPA, meet with the co-op coordinator, and availability of co-op work experience slot. Supervised, practical work experience that seeks to combine theories and apply practical skills to projects in the student?s major field of study. Requirements include online weekly, mid-term, and end-of-term reflection assignments.