BIOLOGY (BIOL)

BIOL 1010 - Introduction to Biology I (3 Credit Hours)
Broad biological principles for non-science majors: scientific method; biological molecules, cell structure and function; genetics and evolution. 
Prerequisite(s): ENGL 0098 or ENGL 0099 or ENGL 1015 or ENGL 1025 or ACT English with a score of 17 or ACCUPLACER Sentence Skills with a score of 86 or ACCUPLACER NG Writing with a score of 200
(3/0/3)

BIOL 1015 - General Biology I Lab (1 Credit Hour)
Laboratory exercises for studying the principles of biology from the cellular level including biochemistry, cell biology, molecular biology, and genetics. Two hours of laboratory per week. A Laboratory fee is required for this course.
Co-requisite(s): BIOL 1010, BIOL 1100
(0/1/1)

BIOL 1020 - Introduction To Biology II (3 Credit Hours)
Broad biological principles for non-science majors: evolution and biological diversity.
Prerequisite(s): BIOL 1010 or BIOL 1100
(3/0/3)

BIOL 1025 - General Biology Lab II (1 Credit Hour)
Laboratory exercises for systematically studying the structure, function, evolution, ecology, and relationships or organisms including protists, fungi, plants and animals. Two hours of laboratory per week. A Laboratory fee is required for this course.
Co-requisite(s): BIOL 1020, BIOL 1200
(0/1/1)

BIOL 1100 - Gen Biology I (Science Major) (3 Credit Hours)
Principles of biology from the cellular level including biochemistry, cell biology, metabolism, photosynthesis, molecular biology, and genetics. This course is designed for students planning to major in biology or related discipline.
Prerequisite(s): ENGL 0099 or ENGL 1015 or ENGL 1025 or ACT English with a score of 18 or ACCUPLACER Sentence Skills with a score of 86 or ACCUPLACER NG Writing with a score of 225
(3/0/3)

BIOL 1110 - Environmetal Biology (3 Credit Hours)
This course will provide students the opportunity to learn about human interactions and the effects of those interactions on the natural environment. During the course students will learn what measures as individuals, we can take to achieve a more sustained existence while protecting and rebuilding our environment.
Prerequisite(s): None
(3/0/3)

BIOL 1200 - Gen Biology II (Science Major) (3 Credit Hours)
A systematic study of the structure, function, evolution, ecology and relationships of organisms including viruses, bacteria, protists, fungi, plants, and animals. This course is designed for students planning to major in biology or related disciplines.
Prerequisite(s): BIOL 1100
(3/0/3)

BIOL 2200 - Human Anatomy & Physiology I (3 Credit Hours)
Designed to teach the structure and function of the systems of the human body, diagnostic procedures used to identify disorders and diseases of the body, and selected disorders and diseases. Topics covered include anatomical terminology and the structure and function of molecules, cells, tissues, and the integumentary, skeletal, muscular, and nervous systems.
Prerequisite(s): BIOL 1100 and BIOL 1015
Co-requisite(s): BIOL 2215
(3/0/3)

BIOL 2215 - Anatomy & Physiology LAB I (1 Credit Hour)
A series of laboratory exercises designed to illustrate the course material in BIOL 2200.
Co-requisite(s): BIOL 2200
(0/1/1)

BIOL 2230 - Microbiology (3 Credit Hours)
A course designed primarily for students majoring in nursing or an allied health field. Students are introduced to a survey of microorganisms, diagnostic identification and research procedures, and material that illustrates the role of microbes in health, disease and immunity.
Prerequisite(s): BIOL 1100 and (MATH 0099 or MATH 1005 or MATH 1015 or ACT Math with a score of 19 or ACCUPLACER NG Algebra QAS with a score of 250 or ACCUPLACER College Level Math with a score of 045) and (ENGL 0099 or ENGL 1015 or ACT English with a score of 18 or ACCUPLACER NG Writing with a score of 250 or ACCUPLACER Sentence Skills with a score of 086)
(3/0/3)

BIOL 2240 - Microbiology Lab (1 Credit Hour)
A course designed to utilize a series of laboratory exercises to illustrate the material studied in BIOL 2230 for students majoring in biology, biotechnology, nursing and certain allied health and technical fields.
Prerequisite(s): BIOL 1015
Co-requisite(s): BIOL 2230
(0/1/1)

BIOL 2300 - Human Anatomy & Physiology II (3 Credit Hours)
A course designed to teach the structure and function of the systems of the human body, diagnostic procedures used to identify disorders and diseases of the body, and selected disorders and diseases. Topics covered include the structure and function of the endocrine, cardiovascular, digestive, reproductive, respiratory, lymphatic, urinary, and excretory systems energy & metabolism as well as water and ion homeostasis.
Prerequisite(s): BIOL 2200 and BIOL 2215
Co-requisite(s): BIOL 2315
(3/0/3)

BIOL 2315 - Anatomy & Physiology LAB II (1 Credit Hour)
A course designed to utilize a series of laboratory exercises to illustrate the course material in BIOL 2300. This course includes dissections and physiological studies of the endocrine, cardiovascular, respiratory, digestive, excretory, and reproductive systems.
Co-requisite(s): BIOL 2300
(0/1/1)