



DEGREE SHEET / 2019-2020 CATALOG

Student name:

Eagle ID:

Eagle Email:

Phone:

AS in Biology

This program prepares you to pursue a graduate degree in biology or to go on to professional schools in the health sciences. Training in biology also prepares you for a wide variety of career choices, including careers in research in academic, government, and private research laboratories, science teaching, positions in the biomedical, biotechnology, and pharmaceutical industries, and other related fields. While many positions are open to those holding a BS degree, some may only be open to those holding advanced graduate degrees.

GENERAL EDUCATION REQUIREMENTS (31 Credits)	SEMESTER	GRADE
AREA I: COMMUNICATIONS (6 Credits)		
ENGL 1110 Composition I (3) <i>Pre-requisites: ENGL 109 or adequate score on the Course Placement Evaluation</i>		
Choose one of the following courses (3).		
ENGL 1120 Composition II (3) <i>Pre-requisite: ENGL 1110</i>		
ENGL 1210 Technical Communications (3) <i>Pre-requisite: ENGL 1110</i>		
AREA II: MATHEMATICS (3 Credits)		
MATH 1220 College Algebra (3) <i>Pre-Requisite: Math 1215</i>		
AREA III: LABORATORY SCIENCES (4 Credits)		
BIOL 1110/L General Biology and Lab (4) <i>Pre-requisite: ENG 109 or adequate score on Course Placement Evaluation</i>		
Area III Course (4)		
AREA IV: SOCIAL/BEHAVIORAL SCIENCES (3 Credits) <i>Pre-requisite: ENG 109 or adequate score on the Course Placement Evaluation</i> <i>You must select one Area IV course.</i>		
Area IV Course (3)		
AREA V: HUMANITIES (3 Credits) <i>Pre-requisite: ENGL 109 or adequate score on the Course Placement Evaluation</i> <i>You must select one Area V course.</i>		
Area V Course (3)		

AREA VI: FINE ARTS (3 Credits) <i>You must select one Area VI course</i>		
Area IV Course (3)		
ADDITIONAL NINE CREDIT HOURS (9 Credits)		
COMM 1130 Public Speaking (3) <i>Pre-requisite: ENGL 109</i>		
ENVS 2130 Critical Thinking in Science (3)		
Choose one of the following Civics Courses (3)		
POLS 1110 Introduction to Political Science (3)		
POLS 1120 American National Government (3)		
CJUS 1110 Introduction to Criminal Justice (3)		
HIST 1110 United States History I (3)		
HIST 1120 United States History II (3)		
PROGRAM REQUIREMENTS (AS - 29 Credit minimum)		
BIOLOGY CORE CURRICULUM (31 CREDITS)		
BIOL 2110/L Principles of Biology: Cellular and Molecular Biology and Lab (4) <i>Pre-requisites: ENGL 1110 and CHEM 1215/L</i>		
BIOL 2410/L Principles of Biology: Genetics with Lab (4) <i>Pre-requisite: BIOL 2110/L</i>		
OR		
BIOL 2210/L Human Anatomy and Physiology-I with Lab (4)		
BIOL 2610/L Principles of Biology: Biodiversity, Ecology, and Evolution with Lab (4) <i>Pre-requisites: ENGL 1110, MATH 1220, and CHEM1215/L</i>		
BIOL 2640/L Plant and Animal Form and Function with Lab (4) <i>Pre-requisites: MATH 1220, BIOL 2110/L, and CHEM1215/L</i>		
OR		
BIOL 2225/L Human Anatomy and Physiology II with Lab (4) <i>Pre-requisite: BIOL 2210/L</i>		
CHEM 1120/L Introduction to Chemistry with Lab (4) <i>Pre-requisites: MATH 102 and ENGL 109</i>		
CHEM 1215/L General Chemistry for STEM Majors I with Lab (4) <i>Pre-requisites: MATH 1215, high school chemistry, or ACT score of 19 or higher in natural science and ENGL 1110</i>		
CHEM 1225/L General Chemistry for STEM Majors II with Lab (4) <i>Pre-requisite: CHEM 1215/L</i>		
MATH 1350 Introduction to Statistics (3) <i>Pre-requisite: MATH 1215</i>		
TOTAL CREDITS 60 (AS)		
ADVISOR APPROVAL	DATE	

SUGGESTED SEQUENCE OF COURSES

FIRST SEMESTER (17 Credits)

ENGL 1110 Composition I (3)
BIOL 1110/L General Biology with Lab (4)
CHEM 1120/L Introduction to Chemistry with Lab (4)
MATH 1250 College Algebra (3)
ENVS 2130 Critical Thinking in Science (3)

SECOND SEMESTER (17 Credits)

CHEM 1215/L General Chemistry for STEM Majors I with Lab (4)
BIOL 2110/L Principles of Biology: Cell and Molecular Biology with Lab (4)
MATH 1350 Introduction to Statistics (3)
COMM 1130 Public Speaking (3)
AREA IV Social and Behavioral Science (3)

THIRD SEMESTER (14 Credits)

AREA I Communication (3)
BIOL 2410/L Principles of Biology: Genetics with Lab (4) **or** 2210/L Human Anatomy and Physiology-I with Lab (4)
CHEM 1225/L General Chemistry for STEM Majors II with Lab (4)
AREA V Humanities (3)

FOURTH SEMESTER (14 Credits)

BIOL 2610/L Principles of Biology: Biodiversity, Ecology, and Evolution with Lab (4)
BIOL 2640/L Plant and Animal Form and Function with Lab (4) **or** 2225/L Human A&P-II with Lab (4)
AREA VI Fine Arts (3)
Civics Course (3)

EDUCATIONAL PLANNING FORM (Semester)

FALL SEMESTER	SPRING SEMESTER	SUMMER
Total Units	Total Units	Total Units
FALL SEMESTER	SPRING SEMESTER	SUMMER
Total Units	Total Units	Total Units
FALL SEMESTER	SPRING SEMESTER	SUMMER
Total Units	Total Units	Total Units
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Total Units	Total Units	Total Units