

Degree: Associate of Science
Major: Biological and Pre-Professional Sciences
Division: Math and Science

Program Code: (031, BPPS.AS)

Minimum Ret/Grad GPA 2.00
Minimum Total Hours 61-62

GENERAL EDUCATION REQUIREMENTS.....37 HOURS

English Composition - 6 hours

- 1. ENGL-1113 Freshman Composition I
- 2. ENGL-1213 Freshman Composition II

U.S. History - 3 hours

- 1. HIST-1483 Am His 1492-1865 or HIST-1493 Am His 1865-Pr

U.S. Government - 3 hours

- 1. POS-1113 American Federal Government

Biological Science - 4 hours

- 1. ZOO-1114 General Zoology

Physical Science - 5 hours¹

- 1. CHEM-1115 General Chemistry I

Orientation - 1 hour

- 1. ORI-1111 Freshman Orientation or ORI-1112 Freshman Orientation

Mathematics - 3 hours

- 1. MATH-1513 College Algebra (Pre-Calculus)

Humanities - 6 hours

- 1. HUM-2113, 2223; ART-1113; DRMA-1213; HIST-1113, 1123; MUS-1113; PHIL-1113, 2123; RLED-1113, 1123, 2113; or ENGL literature
- 2. HUM-2113, 2223; ART-1113; DRMA-1213; HIST-1113, 1123; MUS-1113; PHIL-1113, 2123; RLED-1113, 1123, 2113; or ENGL literature

Computer Proficiency – 3 hours

- 1. CS-1103 Microcomputer Applications

Approved Electives - 3 hours

- 1. PSY-1113 or (PSY, HIST, POS, SOC, ECON, GEOG, SPAN, CHER, CHOC, ART, MUS, DRMA, HUM, PHIL, RLED, SPCH, ENGL literature)

MAJOR REQUIREMENTS.....24-25 HOURS

MAJOR CORE COURSES

Required Courses in Major - 12 Hours

- 1. CHEM-1215 General Chemistry II⁵
- 2. MATH-1613 Plane Trigonometry³
- 3. PHYS-1114 General Physics I

ELECTIVE COURSES (Choose Option, Select 3 courses)

Biological/ Zoology Option - 12 hours

- 1. BIO-2155 Microbiology⁵
- 2. PHYS-1214 General Physics II³
- 3. ZOO-2114 Human Physiology⁴
- 4. BOT-1114 General Botany

Pre-Medicine Option - 12 hours

- 1. PHYS-1214 Gen Physics II³
- 2. ZOO-2114 Human Physiology⁴
- 3. ZOO-2124 Human Anatomy

Pre-Pharmacy Option - 13 hours

- 1. MATH-2265 Analytic Geometry and Calculus I
- 2. BIO-2155 Microbiology⁵
- 3. ZOO-2114 Human Physiology⁴
- 4. ZOO-2124 Human Anatomy

Pre-Veterinary Medicine Option - 12 hours

- 1. BIO-2155 Microbiology⁵
- 2. PHYS-1214 Gen Physics II³
- 3. BIO-1114 General Biology

Notation:

¹General Zoology satisfies the General Education biological science course requirement for all Associate of Science majors.

²CHEM-1115 has a co-requisite of MATH-1513, or, MATH-1513 may be taken prior to taking CHEM-1115.

³MATH-1513 prerequisite to MATH-1613; MATH-1613 prerequisite to PHYS-1114

⁴CHEM-1115 Prerequisite of; completion of ZOO-2124 strongly recommended prior to enrollment

⁵CHEM-1115 Prerequisite

Semester-by-Semester Degree Plan

Biological and Pre-Professional Science, AS (031, BPPS.AS)

Students are required to complete the following General Education and Major Requirement courses. Students who complete this associate’s degree are prepared to transfer and continue their education at a four-year college/university. Students should consult with their academic advisor and refer to the 4-semester by semester program planning guide to understand course sequencing.

Course Number – Course Description	Hours
Freshman Year 1st Semester – Fall <input type="checkbox"/> ORI-1111 Freshman Orientation or ORI-1112 Freshman Orientation <input type="checkbox"/> ENGL-1113 Freshman Composition I <input type="checkbox"/> HIST-1483 or 1493 American History <input type="checkbox"/> ZOO-1114 General Zoology <input type="checkbox"/> MATH-1513 College Algebra (Pre-Calculus) <input type="checkbox"/> Humanities – (ART, ENGL, HUM, MUS, PHIL, OR RLED)	 1 3 3 4 3 3 Total: 17
Freshman Year 2nd Semester – Spring <input type="checkbox"/> ENGL-1213 Freshman Composition II <input type="checkbox"/> POS-1113 American Federal Government <input type="checkbox"/> CHEM-1115 General Chemistry I <input type="checkbox"/> MATH-1613 Plane Trigonometry <input type="checkbox"/> CS-1103 Microcomputer Applications	 3 3 5 3 3 Total: 17
Sophomore Year 1st Semester – Fall <input type="checkbox"/> CHEM-1215 General Chemistry II <input type="checkbox"/> PHYS-1114 General Physics I <input type="checkbox"/> Humanities – (ART, ENGL, HUM, MUS, PHIL, OR RLED) <input type="checkbox"/> Elective in General Education(PSY, SOC, GEOG, LANGUAGE, ART, MUS, OR DRAMA)	 5 4 3 3 Total: 15
Sophomore Year 2nd Semester – Spring <input type="checkbox"/> Elective in Major OPTION* <input type="checkbox"/> Elective in Major OPTION* <input type="checkbox"/> Elective in Major OPTION* <input type="checkbox"/> Elective in Major OPTION*	 3 3 3 3 Total: 12

Graduation Requirements: 61-62 cr-hrs, 2.00 GPA

Total Hours: 61

*See Degree Plan and choose from respective OPTION electives per student interest and in consultation with advisor.

How to Use this “Semester by Semester Degree Plan”: Courses are listed in the order they should be taken and in what term the course should be taken. Enrollment into developmental courses will add to the total credit hour count, and may alter English, math and science enrollment rotations. Students should use this as a guide in pre-enrollment, study the Course Schedule and then visit with an academic advisor.

Estimated Program Cost: Students can complete this degree in four semesters (15-17 per semester).

The estimated cost of this program is approximated at: 61 credit-hours x \$146.00 per credit hour = \$ 8,906.00

Actual program cost is based on Fall 2024 in-state tuition amounts and final costs will vary from this estimate.