

2024 - 2025

Life Science Associate in Science Degree

Complete the following program of study (Major C.6102.AS). Major requirements (18 units minimum).

The students will be able to identify the phyla/classes of organisms, their structures, and physiology. The students will know the human body macroscopically to the organ-system level and the microscopic/ histological level. The students will have the hands on experience and be able to work with the equipment in a health setting such as an EKG machine, otoscope, microscope, spectrophotometer, autoclave, etc. The students will have a basic understanding of aseptic transfer, microbiological techniques, and pathogenicity.

Name: _____ Student ID: _____ Date: _____

Course Overview and Selection

Complete a minimum of 18 units from the following:

Complete a minimum of 8 units from the following:

Course	Course Description	Units	Completed	In Progress	Planned
*BIOL 2	Environmental Science	4			
**BIOL 3	Introduction to Life Science	4			
BIOL 5	Human Biology	4			
**BIOL 10 and **BIOL 10L	Introduction to Life Science Lecture and Introduction to Life Science Lecture Lab	3 1			
BIOL 11A	Biology for Science Majors I	5			
BIOL 11B	Biology for Science Majors II	5			
BIOL 20	Human Anatomy	4			
*BIOL 13 and *BIOL 13L	Environmental Science Lecture and Environmental Science Lab	3 1			
BIOL 22	Human Physiology	5			
BIOL 25	Introduction to Anatomy and Physiology	4			
BIOL 31	Microbiology	5			

Complete a minimum of 3 units from the following:

Course	Course Description	Units	Completed	In Progress	Planned
CHEM 1A	General Chemistry	5			
CHEM 1B	General Chemistry and Qualitative Analysis	5			
CHEM 3A	Introductory General Chemistry	4			
CHEM 3B	Introductory Organic and Biological Chemistry	3			
PHYS 2A	General Physics I	4			
PHYS 2B	General Physics II	4			
PHYS 4A	Physics for Scientists and Engineers I	4			
PHYS 4B	Physics for Scientists and Engineers II	4			
PHYS 4C	Physics for Scientists and Engineers III	4			

Notes:

*BIOL 2 Environmental Science is the **same as** *BIOL 13 and *BIOL 13L.

BIOL 3 Introduction to Life Science is the **same as **BIOL 10 and **BIOL 10L.

Program Learning Outcomes:

1. Demonstrate basic knowledge of comparative anatomy and comparative physiology
2. Demonstrate basic microscopic techniques required for all Biology fields
3. Critically evaluate scientific research

Comments:

Faculty Advisors: Alcazar, Coffman, Hile, Nearn, Rutledge, Villata, Whitford.