

2017-2018

Associate in Science Degree in Life Science

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

Core Courses:

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

List A: Select one course 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	4			
PHYS 4B	Physics for Scientists and Engineers	4			
PHYS 4C	Physics for Scientists and Engineers	4			

Notes:

Other recommended courses: Chemistry 8 or 28A, 28B, 29A, 29B; Mathematics 5A, 5B

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: