

2021 - 2022

## 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
<b>BIOL 2</b>	Environmental Science	4			
<b>*BIOL 3</b>	Introduction to Life Science	4			
<b>BIOL 5</b>	Human Biology	4			
<b>*BIOL 10 and *BIOL 10L</b>	Introduction to Life Science Lecture and Introduction to Life Science Lecture Lab	3 1			
<b>BIOL 11A</b>	Biology for Science Majors I	5			
<b>BIOL 11B</b>	Biology for Science Majors II	5			
<b>BIOL 20</b>	Human Anatomy	4			
<b>BIOL 22</b>	Human Physiology	5			
<b>BIOL 25</b>	Introduction to Anatomy and Physiology	4			
<b>BIOL 31</b>	Microbiology	5			

Complete a minimum of 3 units from the following:

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

### Notes:

*Life Science AS Degree **formerly** Biological Science AS Degree*

*\*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: