

BIOLOGICAL TECHNICIAN ASSOCIATE IN SCIENCE DEGREE

PROGRAM CODE: 2S08414

The **Biological Technician Associate in Science Degree** is designed for students who wish to obtain the skills required to gain employment in bioscience and biotechnology industries, as well as for incumbent workers seeking career opportunities. Upon completion of this program, students will be eligible to obtain employment as laboratory assistants, biomanufacturing technicians, or research and development technicians. A grade of C or better is required in each course. This degree requires 29-34 units in the major, in addition to other graduation requirements.

Code	Title	Units
Required Courses (21-22 units)		
BIOL 191 F	Biotechnology A - Basic Laboratory Skills	4
BIOL 192 F	Biotechnology B - Protein Biochemistry	4
BIOL 194 F	Quality and Regulatory Compliance in the Biosciences	2
BIOL 196 F	Tissue Culture Methods	2
CHEM 111AF	General Chemistry I	5
MATH 120 F	Introductory Probability and Statistics	4-5
or MATH 120HF	Honors Introductory Probability and Statistics	
or MATH 121 F	Introductory Probability and Statistics with Support	
Restricted Electives (8-12 units)		8-12
BIOL 109 F	Genetics and Biotechnology in Society	3
BIOL 190 F	Introduction to Biotechnology	3
BIOL 190LF	Introduction to Biotechnology Lab	1
BIOL 193 F	Biotechnology C - Molecular Biology	4
BIOL 272 F	Cell and Molecular Biology	4
CHEM 111BF	General Chemistry II	5
MICR 262 F	General Microbiology	5
Total Units		29-34

Outcome 1: Demonstrate the ability to use standard equipment, materials, and techniques employed in industry and university laboratories based in biological science and biotechnology.

Outcome 2: Demonstrate good observational skills and the ability to follow complex protocols, use laboratory math quickly and accurately, interpret experimental results accurately, troubleshoot experimental mistakes, and maintain a detailed laboratory notebook.

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