

BIOTECHNOLOGY LAB ASSISTANT SKILLS CERTIFICATE

Division: Natural Sciences

Requirements

PROGRAM CODE: 2C40523

The **Biotechnology Lab Assistant Skills Certificate** will prepare a student to work in entry-level positions in biotech and science-related industries. This program is focused on practical laboratory skills with training in a working laboratory setting. Employment opportunities include: biomedical industry, academic research labs, pharmaceutical industry, agriculture and food science labs. This certificate requires 13 units in required courses, with a grade of C or better in each course.

Code	Title	Units
Required Courses (13 units)		
BIOL 190 F	Introduction to Biotechnology	3
BIOL 190LF	Introduction to Biotechnology Lab	1
BIOL 191 F	Biotechnology A - Basic Laboratory Skills	4
CHEM 101 F	Chemistry for Allied Health Science	5
or CHEM 107 F	Preparation for General Chemistry	
<i>or Minimum score of 80% on the Chemistry Assessment.</i>		
Total Units		13

Program Student Learning Outcomes

Outcome 1: Demonstrate an understanding of the professions available in the biotechnology and molecular biosciences industry.

Outcome 2: Demonstrate an understanding of laboratory safety regulations, recognize potential hazards, and practice safe and proficient use of laboratory equipment.

Outcome 3: Demonstrate hands-on proficiency in basic molecular biology laboratory techniques.

Outcome 4: Demonstrate an understanding of basic molecular biology laboratory techniques.