BIOTECHNOLOGY MANUFACTURING OPERATOR, CERTIFICATE OF ACHIEVEMENT

The Biotechnology Manufacturing Operator Certificate of Achievement offers fundamental skills often needed for entry-level positions in biotechnology manufacturing.

To earn a Certificate of Achievement for Biotechnology Manufacturing Operator, students must complete 12-13 specified units.

Course ID	Title	Units/ Hours
Required Courses		
BIOL M01	Introduction to Biology	4-5
or BIOL M02A	General Biology I	
BIOL M02AH	Honors: General Biology I	
BIOT M10	Introduction to Biotechnology and Molecular Biology	4
or BIOL M13	Introduction to Biotechnology and Molec Biology	ular
BIOT M02A	Environmental Control and Process Support	2
or BIOL M12A	Environmental Control and Process Supp	ort
BIOL M12B	Manufacturing: Quality Control and Validation	2
or BIOT M02B	Manufacturing: Quality Control and Valid	ation
Total Units		12-13
Year 1		
Fall Semester		Units/Hours
BIOT M10	Introduction to Biotechnology and Molecular Biology	4
BIOT M02A	Environmental Control and Process Support	2
	Units/Hours	6
Spring Semester		
BIOL M01 or BIOL M02A	Introduction to Biology or General Biology I	4
BIOT M02B	Manufacturing: Quality Control and Validation	2
	Units/Hours	6
	Total Units/Hours	12

Upon successful completion of this program, students will be able to:

 work successfully in a clean room environment and understand Quality Control and Validation principles.