

BIOMANUFACTURING TECHNOLOGY, LEVEL 2 CERTIFICATE



Plan of Study

5BIO-MFG

First Year

First Term	Credits
Select one of the following:	4
BIOL 1306 & BIOL 1106	Biology for Science Majors I (lecture) and Biology for Science Majors I (lab)
BIOL 2301 & BIOL 2101	Anatomy and Physiology I (Lecture) and Anatomy and Physiology I (Lab)
BITC 1411	Introduction to Biotechnology
BITC 1191	Special Topics in Biological Technology/ Technician
BCIS 1305	Business Computer Applications
Credits	12

Second Term

BITC 1340	Quality Assurance for the Biosciences	3
BITC 2411	Biotechnology Laboratory Instrumentation	4
BITC 2277	Product Development to Commercialization	2
BITC 1402	Biotechnology Laboratory Methods and Techniques	4
Credits		13

Second Year

First Term	Credits
BITC 2445	Medical Biotechnology
BITC 2475	Upstream and Downstream Manufacturing of Biologics
BITC 2431	Cell Culture Techniques
Credits	12
Total Credits	37

Capstone Experience: The students will qualify for the NIBRT Global assessments Credentials.