



## **Division of Science Technology Engineering and Math**

### **Biomanufacturing Certificate**

The Biomanufacturing Certificate program is a 12-month program that equips students with the skills and knowledge necessary to excel as entry-level Biotechnology/Biomanufacturing technicians. With a curriculum that covers a wide range of biomanufacturing, cell & gene therapy principles, graduates of this program possess a strong foundation in the field and are highly sought-after candidates for employment.

Successful graduates of the program will be able to:

1. Students will acquire a deep understanding of biomanufacturing principles, including bioprocessing, quality control, regulatory compliance, and laboratory techniques. They will develop a comprehensive knowledge of the scientific and technical aspects of biomanufacturing processes.
2. Students will gain hands-on experience and proficiency in conducting biomanufacturing tasks, such as operating bioprocessing equipment, performing quality control tests, and following regulatory guidelines. They will develop technical skills necessary for efficient and accurate execution of biomanufacturing processes.
3. Students will enhance their problem-solving skills. They will learn to analyze complex situations, evaluate data, and identify appropriate solutions to challenges that may arise in biomanufacturing processes. Students will develop the ability to think critically and make informed decisions.
4. Students will gain valuable research skills, such as experimental design, data analysis, and interpretation.
5. The program will foster the development of essential professional skills, including effective communication, teamwork, and ethical conduct. Students will learn to collaborate with colleagues, communicate scientific ideas clearly, and adhere to ethical standards in the biotechnology industry.