

Title: BIOTECHNOLOGY
Code: 26.1201
Career Cluster: Science, Technology, Engineering & Mathematics

Certification Required	Certification Method	Occupational Competency Area	Occupational Competency
Career and Technical/ Instructional 2600	Career and Technical- Instructional (non- degree program)	Biological Technology 2580	Biotechnology

Description: A program that focuses on the application of the biological sciences, biochemistry and genetics in preparation of new and enhanced agricultural, environmental, clinical and industrial products, including the commercial exploitation of microbes, plants and animals. Includes instruction in bioinformatics, gene identification, phylogenetics and comparative genomics, bioinorganic chemistry, immunoassaying, DNA sequencing, xenotransplantation, genetic engineering, industrial microbiology, drug and biologic development, enzyme-based production process, patent law and biotechnology management and marketing, applicable regulations and biotechnology ethics.

Notes: