

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

Certification Required	Certification Method	Occupational Competency Area	Occupational Competency
Vocational-Intern/ Instructional 2600	Vocational-Instructional (non-degree program)	Biological Technology 2580	Biotechnology

**Description:** An instructional 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. This program may include 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:**