



Career and Technical Education Instructional Program Information

Program Name: Bioscience (Biomedical)	Program CIP Code: 41.0100.00
--	------------------------------

Description: The **Bioscience** program prepares individuals to apply scientific principles and technical skills in support of biologists and biotechnologists in research, industrial, and government settings. Includes instruction in fermentation technology, cell culturing, protein purification, biologic synthesis, assaying and testing, quality control, industrial microbiology, bioprocessing, chromatography and bioseparation, genetic technology, laboratory and hazardous materials safety, and computer applications and test equipment operation and maintenance. The program is designed and delivered as a coherent sequence of experiences using technical instruction, academic foundations, experiential learning, supervised occupational experience and leadership and personal development through the Career and Technical Student Organization, Health Occupations Students of America (HOSA).

GPS Comprehensive High School Sites Offering the Instructional Program:				
Campo Verde HS	Desert Ridge HS	Gilbert HS	Highland HS	Mesquite HS
Yes	N/A	N/A	N/A	N/A

Program Technical Standards and Measurement Criteria:

<https://www.azed.gov/cte/bio/>

Program Information:		
Career and Technical Student Organization Affiliation	Carnegie Units Required (Number of Credits to Complete Program)	Non-Traditional Designation (Gender comprise less than 25% of the individuals employed in the workforce.)
HOSA	2	N/A

Course Offerings:		
Sequence of Instruction	Course Code (CIP)	Gilbert Schools Course Title
1	41.0100.10	SC210 PRINCIPLES OF THE BIOMEDICAL SCIENCES
2	41.0100.20	SC211 HUMAN BODY SYSTEMS
3	41.0100.30	SC212 MEDICAL INTERVENTIONS and/or BIOMEDICAL LAB ASSISTANT
4	41.0100.40 and/or 41.0100.75	SC213 BIOMEDICAL INNOVATION and/or CT312 BIOMEDICAL INTERNSHIP

Student Industry Certification(s):	
Certification Title	Link to Certification Information
OSHA 10 Healthcare (A-F CCRI eligible)	OSHA 10 Healthcare

Teacher Certification(s) Requirements:	
Certification Title	Link to Certification Information
Career and Technical Education Health Careers	https://www.azed.gov/cte/certification