HEALTHCARE AND HUMAN SERVICES CAREER CLUSTER DESIGN

Biotechnology Pathway

CIP CODE 26.1201

INTRODUCTORY LEVEL

Title	Code	Credit	Special Considerations
Chemistry	03101	1	
Computing Systems (Grade 8/9)	60002/10002	1	
Computer Applications (Grade 8/9)	60004/10004	0.5	

TECHNICAL LEVEL

Title	Code	Credit	Special Considerations
Anatomy & Physiology	03053	1	03053 or 21014 required for pathway approval.
Human Body Systems	14102	1	
Pharmacology	14253	1	
Biotechnology Essentials	21014	1	03053 or 21014 required for pathway approval.

At least ONE course from at least one strand is required at both the technical and application level for pathway approval.

Biochemistry Strand

Title	Code	Credit	Special Considerations
Applied Biochemistry	03203	1	
Plant & Soil Science	18058	1	
Food Science	19254	1	

Biomedical Strand

Title	Code	Credit	Special Considerations
Medical Interventions	14105	1	
Principles of Biomedical Science	14251	1	
Robotics I	21009	1	

APPROVED PATHWAY:

1. Includes a minimum of three secondary-level credits.
2. Includes a work-based element.
3. Consist of a sequence:
   a. Introductory-level course.
   b. Technical-level course.
   c. Application-level course.
4. Supporting documentation includes:
   a. Articulation Agreement(s).
   b. Certification.
   c. Program Improvement Plan.
   d. Program of Study.
5. Technical-level and Application-level courses receive .5 state weighted funding in an approved CTE pathway.

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APPLICATION LEVEL

Title	Code	Credit	Special Considerations
Bioscience Workplace Experience	14998	1	
Applied Biotechnology	18320	1	

At least ONE course from at least one strand is required at both the technical and application level for pathway approval.

Biochemistry Strand

Title	Code	Credit	Special Considerations
Particular Topics in Engineering	21015	1	

Biomedical Strand

Title	Code	Credit	Special Considerations
Biomedical Innovation	14255	1	
Emerging Technologies	21053	1	