Programming and Software Development Pathway

CIP CODE 11.0201

INTRODUCTORY LEVEL

Title	Code	Credit	Special Considerations
Computing Systems (Grade 8/9)	60002/10002	1	
Computer Applications (Grade 8/9)	60004/10004	0.5	
Introduction to Computer Coding	31001	0.5	
Introduction to Physical Computing	31002	0.5	

TECHNICAL LEVEL

Title	Code	Credit	Special Considerations
Database Applications	10053	1	
Data System/Processing	10054	1	
Computer Programming	10152	1	
Computer Programming – Other Languages	10156	1	
Web Design	10201	1	
AP Computer Science Principles	31094	1	
Technical Introduction to Computer Science	41010	1	

APPLICATION LEVEL

Title	Code	Credit	Special Considerations
Cybersecurity I	10020	1	
AP Computer Science A	10157	1	
IB Computing	10159	1	
Particular Topics in Computer Programming	10160	1	
Work-based Learning in Programming & Software Development	10198	1	
Cybersecurity II	10900	1	Prerequisite course required; see competency profile.

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.