



Programming and Software Development Pathway

CIP CODE 11.0201

INTRODUCTORY LEVEL

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

TECHNICAL LEVEL

Title	Code	Credit
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
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 and Software Development	10198	1
● Cybersecurity II	10900	1

- Has a specific prerequisite course – see competency profile for details.

APPROVED PATHWAY:

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