Signature Program Certificate in Advanced Arts
Computer Science

Career & Technology Education
Career Pathway in
COMPUTER SCIENCE

PROGRAMMING

Foundations of Computer Science
TEC2002A/B
Offers Tech Credit

↓

AP Principles of Computer Science
TEC2005A/B

↓

Computer Programming 1
ITC2024A/B

↓

AP Computer Science
ITC2007A/B

↓

Information Technology Internship
ITC2008

Career & Technology Education
Career Pathway in
CISCO NETWORKING

CISCO

Cybersecurity Essentials
ITC2075A/B

↓

Introduction to Networks
CISCO
ITC2078A/B

↓

Switching, Routing and Wireless Essentials
CISCO
ITC2080A/B

5th Computer Science Related Course:
Foundations of Computer Science A/B TEC2002 A/B
Digital Art ART2069 A/B
Music Technology ART2084A/B

AP Principles of Computer Science
TEC2005A/B
Offers Tech Credit

In addition, these courses must be taken during any of the 4 years.

RECOMMENDED:
Digital Art or Music Technology as art credit

Requirements for Program Completion

1. Completion of 5 courses, in the strand at a high school.
   ***If FOCS is completed at the middle school, students may substitute Digital Art or Music Technology and earn an Art Credit or CISCO or Gaming class to replace taking FOCS at QO.*

2. Take the College Board exam for both of the AP courses in the Programming sequence and the exam for AP CSP in the CISCO sequence.

**Earn three college credits at Montgomery College through the MCPS articulation agreement by earning a B or higher in the articulated courses and completing the entire high school plan.*