Information Technology Career Cluster

The Information Technology (IT) Career Cluster focuses on building linkages in IT occupations for entry level, technical, and professional careers related to the design, development, support, and management of hardware, software, multimedia, and systems integration services.

Networking Systems
Statewide Program of Study

The Networking Systems program of study explores the occupations and educational opportunities associated with designing and implementing computer and information networks, such as local area networks (LAN), wide area networks (WAN), intranets, extranets, and other data communications networks. This program of study may also include exploration into analyzing science, engineering, and other data processing problems to implement and improve computer systems.

Secondary Courses for High School Credit

Level 1
- Computer Science I – LOTE Credit
  - 1 Semester at Ben Barber
  - 1050CT/9-12
  - **Prerequisite: Algebra I**
- Principles of Information Technology
  - 1 Semester at Ben Barber
  - 1850CT/9-12

Level 2
- AP Computer Science Principles – LOTE Credit and Weighted
  - 1 Semester at Ben Barber
  - 1266CT/9-12
  - **Prerequisite: Algebra I**
- Computer Maintenance
  - 2 Semesters at Ben Barber
  - 1829CA-CB/10-12
  - **Prerequisites: Principles of Information Technology**
- CompTIA A+ Certification Possible

Level 3
- Networking
  - 2 Semesters at Ben Barber
  - 1831CA-CB/11-12
  - **Prerequisite: Computer Maintenance**

Level 4
- Practicum in Information Technology
  - 2 Semesters at Ben Barber
  - 1851CA-CB/12 Only
  - Selection Process

Roadmap to Completer

Levels	Courses	
Level 1	1050CT Computer Science I (1 Credit)	1850CT Principles of Information Technology (1 Credit)
Level 2	1266CT AP Computer Science Principles (1 Credit)	1829CA-CB Computer Maintenance (2 Credits)
Level 3	1831CA-CB Networking (2 Credits)	
Level 4	1851CA-CB Practicum in Information Technology (2 Credits) *Students must successfully complete a level 1 or 2 course AND a level 3 or 4 course to take a practicum course*	

1 Semester Home Campus	2 Semester Home Campus	1 Semester Ben Barber	2 Semesters Ben Barber	Ben Barber or HC

- Failure to follow the sequence of courses in the Roadmap to Completer could result in a student not meeting standards to be a CTE Completer in the program of study.
- Students without their own transportation may not be able to participate in a practicum course.
- Successful completion of the Networking Systems program of study will fulfill requirements of the Business & Industry and STEM endorsements.