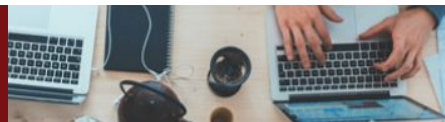# Information Technology Career Cluster

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.

Web Development
Statewide Program of Study

The Web Development program of study explores the occupations and educational opportunities associated with designing, creating, and modifying websites. This program of study may also explore integrating websites with other computer applications, and converting written, graphic, audio, and video components to compatible web formats by using software designed to facilitate the creation of web and multimedia content.

Secondary Courses for High School Credit

Level 1
- Principles of Information Technology
    - 1 Semester at Ben Barber
    - 1850CT/9-12

Level 2
- Computer Science I – LOTE Credit
    - 1 Semester at Ben Barber
    - 1050CT/9-12
    - **Prerequisite: Algebra I**
- **Web Communications**
    - 1 Semester at Home Campus
    - 1854/9-12

Level 3
- Web Design
    - 1 Semester at Ben Barber
    - 1855CT/10-12

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

Roadmap to Completer

Levels	Courses		
Level 1	1850CT Principles of Information Technology (1 Credit)		
Level 2	1050CT Computer Science I (1 Credit)	1854 Web Communications (.5 Credit)	
Level 3	1855CT Web Design (1 Credit)		
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 Web Development program of study will fulfill requirements of the Business & Industry and STEM endorsements.