

Science, Technology, Engineering, and Mathematics Career Cluster

The Science, Technology, Engineering, and Mathematics (STEM) Career Cluster focuses on planning, managing, and providing, scientific research and professional and technical services, including laboratory and testing services, and research and development services.

Renewable Energy Statewide Program of Study



The Renewable Energy program of study helps CTE learners discover to assemble, inspect, maintain, and repair different equipment required for renewable energy. It introduces students to solar photovoltaic equipment and wind turbines, the systems and processes used to maintain and manage these types of equipment, and helps students develop the skills needed to do so.

Secondary Courses for High School Credit

Level 2

- AC/DC Electronics
 - 1 Semester at Ben Barber
 - 1841CT/10-12

Level 3

- Solid State Electronics
 - 1 Semester at Ben Barber
 - 1843CT/10-12
 - **Prerequisites:** AC/DC Electronics

Level 4

- Practicum in STEM
 - 2 Semesters at Ben Barber
 - 1857CA-CB/12 Only
 - Selection Process

Roadmap to Completer

Levels	Courses
Level 1	No courses offered at Level 1 in this program of study
Level 2	1841CT AC/DC Electronics (1 Credit)
Level 3	1843CT Solid State Electronics (1 Credit)
Level 4	1857CA-CB Practicum in STEM (2 Credits) <i>Students must complete a level 1 or 2 course AND a level 3 or 4 course to take a practicum course</i>

1 Semester Home Campus	2 Semester Home Campus	1 Semester Ben Barber	2 Semesters Ben Barber	Ben Barber or HC
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- 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 Renewable Energy program of study will fulfill requirements of the STEM and Business & Industry endorsement.