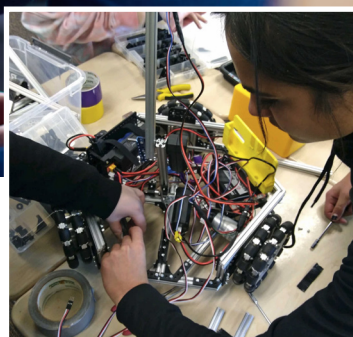


STEM

CTE Program of Study at:

- Hanford High School
- Richland High School



The **STEM** cluster provides 21st century technology innovation and problem solving in science, technology, engineering and mathematics. Careers in this cluster are connected to solving abstract problems, analyzing ideas, conducting research and utilizing technology. It includes scientific research, architecture, engineering, technology, operations and more.

This Program of Study can serve as an educational and career guide as you continue down the career path right for you! Courses listed are only recommended courses and should be individualized for your specific educational and career goals in accordance with your school district's graduation requirements and High School and Beyond Plan.



- *Eligible for Columbia Basin College CTE Dual Credit
- Eligible for "Two-for One" credit

Recommended GenED Courses:

English (4 credits):

LA 9 → LA 10 → American Literature → Senior Literature

Math (3 credits):

Algebra 1 → Geometry → AP Computer Science Principles •

Science (3 credits):

Biomedical Science → Chemistry /Biotechnical Science → Physics/Robotics (HHS)

Social Studies (3 credits):

World Geography → U.S. History 1&2 → Social Studies Choice

Health & Fitness (2 credits):

PE/Health → PE

Arts (1 credit):

Fine Arts

Career & Technical Education (1 credit):

Digital Design and Fabrication 1 *

Graduation Requirement (0.5 credits):

Careers and Financial Literacy *

Personalized Program Pathway:

Program Courses (7 credits):

- Robotics •
- Advanced Digital Design and Fabrication *
- Metals Technology Manufacturing (Core Plus) 1&2 •
- Materials Science Engineering 1&2 •
- Work Based Learning
- Foreign Language/PPR (2 credits)

Other Recommended Courses:

Microsoft Office Specialist 1&2*, Innovation Space, Woods Technology Manufacturing 1&2, Cyber Security*, AP Computer Science A •, Computer Science Discoveries 1&2

GRADUATION PATHWAY

The CTE Course Sequence is one of the Washington State Graduation Pathway options students may use to meet their Grad Pathway requirement. Students who complete 2 credits of courses within the same CTE program area will meet this graduation requirement, as long as the following is met:

- one course leads to a state or nationally recognized certificate or credential, or offers dual credit through CTE Dual Credit or Advanced Placement.
- Sequence is relevant to the student's post-secondary goals, as outlined in their High School and Beyond Plan.

For more information on the CTE Graduation Pathway, see your high school counselor.

CONTINUE YOUR PROGRAM LOCALLY



DUAL CREDIT AT COLUMBIA BASIN COLLEGE

Accelerate Your Program of Study with CTE Dual Credit

CBC's CTE Dual Credit program saves you time and tuition by earning college and high school credits at the same time. Students gain valuable hands-on experience and get a head start on industry credentials and/or college degrees.

Where Does CBC CTE Dual Credit Lead?					
	Solid Modeling for Manufacturing Certificate	Precision Machining Technology AAS	Network Administration AAS	Computer & IT Certification	Cyber Security AAS
Cyber Security (CS 150)			✓	✓	✓
Digital Design and Fabrication (MT 102)	✓	✓			



PROGRAM PATHWAY AT TRI-TECH

Tri-Tech Skills Center is an extension of your "home" high school. Students spend 3 periods a day at Tri-Tech and 3 periods at their high school. Tri-Tech program length runs from 1 to 2 years and most have a college credit option. Speak to your counselor for more information about programs at Tri-Tech.

Corresponding Tri-Tech Programs:

Pre-Electrical
Video Game Design