CTE Career Pathway Readiness Opportunities





High school courses

Career and Technical Education (CTE) courses integrate rigor in academics, and career and leadership skills.

Industry certifications (professional cert) are noted with*

- Foundations of Manufacturing Certificates: Core Plus, OSHA, NC3

Dual credit (college credit) courses are noted with **

	Core Courses	Exploratory Courses	Advanced Courses	Skill Center Courses
3	Algebra 1 and 2	CAD and 3D Printing (MS) - HS credit	AP Physics	Electric Engineering Technology
	Geometry	Foundations of Manufacturing @CHS*	AP Capstone: Research in Science and Engineering	Precision Machining
	Physics in the Universe	Engineering Your World		Welding and Metal Fabrication
		Robotics Technology **		
		Robotics & Mechatronics **		
		Astronomy and Aerospace Engineering		
		Technical Theatre 1, 2, 3		



Career and Technical Student Organizations (CTSOs)

CTSOs are part of all CTE courses. Students can explore careers, and practice their skills through competition at local, regional and national levels through after school programs.

- Technology Student Association (TSA)
- Robotics (FRC/FTC/FLL/FLL jr/Drone League)
- SkillsUSA
- TARC Team America Rocketry
- Washington Thespian



Work based learning

These are learning experiences that provide career guidance and exploration: job shadows, internships, apprenticeships, community speakers, field trips and jobs.

- Engineering & Manufacturing Internship
- Aerospace Joint Apprenticeship Committee
 (AJAC Youth Apprenticeship)



For more information regarding Everett Public Schools Career Pathways, please contact your high school's career specialist and counselors. Visit the CTE web page on: Everettsd.org

Pathways to Engineering & Advanced Manufacturing Careers

Careers in engineering and advanced manufacturing include scientists, engineers, technicians, production and support workers. This pathway is for you like working with your hands, creative, want to design, work with robotics and technology.



Post High School Opportunities Retended learning Extended learning Extended learning

Apprenticeships

- Moldmaking (Ardagh Group)
- GMP Maintenance In-Plant (Ardagh Group)
- Aerospace (Bucher Aerospace Corporation)

Sample Apprenticeship Careers

- □ Ironworker **⑤ ⑤**
- Industrial Maintenance Mechanic § §

SKILLS

- Troubleshooting
- Good writing skills
- Hands-on work
- Identifying problems
- Active listening

Certificates

- Aircraft Avionics Systems
- Engineering Technology (CAD)
- Composites
- Mechatronics Systems
- Core Plus (offered at CHS)

Sample Certificates Careers

- Avionics Technician 🚱 🚱
- Engineering Technician § §
- Composite Structures Technician § §
- Maintenance Technicians (9) (9)

TRANSFER

= Transfer degree only

SALARIES

- \$ = Max \$25/hr
- \$ = Max \$26-40/hr
- \$ \$ = Max > \$40/hr

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2-Year Programs

- Engineering
- Mechanical Design Technology
- Robotics & Flectronics

Sample 2-year program Careers

- Electrical and Electronics (S) (S)
- Engineering Designer (§ (§
- Robotics Maintenance Specialist § §

4-Year Degrees

- Mechanical Engineering
- Electrical Engineering
- Mathematics/Computer Science

Sample 4-year degrees Careers

- Construction Managers (3 (3) (5)
- Mechanical Engineer 66



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