Career Cluster:

ADVANCED MANUFACTURING TECHNOLOGY- TECHNICAL DESIGN (CAD) CERTIFICATE

Technical Design/CAD is an important industrial art extensively used in many applications, including automotive, shipbuilding, and aerospace industries, industrial and architectural design, prosthetics, and many more. The Technical Design program is designed to provide skills and knowledge in a variety of computer aided design (CAD) software including CATIA version 5, Solid Works and AutoCAD. Skills learned in this program are taught using applied methods where training is practical and hands-on.

The Advanced Manufacturing program is actually a cluster of programs designed to prepare students for careers in areas such as aviation maintenance, computer controlled machining, welding and fabrication, composites design/repair, CAD based design technology, or a position coordinating all these activities.

CAREER & TECHNICAL EDUCATION OPPORTUNITIES

Courses are connected to and articulated with high schools via Tech Prep credit. If your school district is listed here, contact your counselor for Tech Prep opportunities.

Lake Stevens School District	Snohomish School District
Lakewood School District	Sno-Isle Skills Center
Marysville School District	Stanwood School District

FOR MORE INFORMATION CONTACT

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MANUFACTURING EMPLOYMENT READINESS (MFG T 102)

Students that complete MFG T 102 will earn the two certificates outlined below. This is an optional entry into the Technical Design (CAD) Program.

MANUFACTURING PRE-EMPLOYMENT CERTIFICATE

The Manufacturing Pre-Employment Certificate (12 credits), sometimes offered as I-BEST, is a one-quarter program designed to prepare students to work at the entry level in a manufacturing facility and the aerospace industry.

This certificate may be considered a stand-alone credential for people seeking to enter the manufacturing field, or as part of a stackable set of certificates and degrees in the EvCC Advanced Manufacturing Program.

NATIONAL CAREER READINESS

National Career Readiness Certificate

The National Career Readiness Certificate (NCRC) is an industry-recognized, portable, evidence-based credential that certifies essential skills needed for workplace success.

FOUR-YEAR DEGREE OPTIONS

In general, the Associate of Technical Arts (ATA) degree has limited transferability to a university for a bachelor's degree. However, Central Washington University offers an online Bachelor of Applied Science degree that accepts the ATA degree.

EVCC ADMISSIONS OPTIONS

Students who have earned a high school diploma or GED or students over the age of 18 may apply to Everett Community College online. Alternative options are listed below. Remember,

Stay Close ~ Go Far with EvCC

Admission Application	English as a Second Language
Adult Basic Education	Youth Re-engagement
College in the High School	Running Start

TECHNICAL DESIGN (CAD)

Certificate

Advanced Manufacturing Technology- Technical Design (CAD) Certificate (37 credits)

CAREER AND EMPLOYMENT OPTIONS

Students earning this certificate should speak with their Advisor about employment options. Employment opportunities may require previous industry design experience. This certificate is desgined to build hands-on experience using CAD software.

Career One-Stop

TECHNICAL DESIGN (CAD) ATA

ATA Advanced Manufacturing Technology- Technical Design (CAD) (92 credits)

CAREER AND EMPLOYMENT OPTIONS

Job titles include Technical Designer, Electronic Drafter, CAD Designer, CAD Drafter

O*NET Online Aeroindustry Jobs Career One-Stop Online

CAREER AND EMPLOYMENT DATA - SNOHOMISH COUNTY

Washington State Employment and Security Department (WSESD) provides data and information about occupations and careers.

WSESD Snohomish County High Demand Occupations

U.S. DEPARTMENT OF EDUCATION GAINFUL EMPLOYMENT

For more information about EvCC graduation rates, the median debt of students who completed the program, and other important information, visit our website at www.everettcc.edu/GainfulEmployment