Design Technology

Community and Technical College
Design Technology (https://www.ctc.uaf.edu/programs/drafting-design-technology/)
907-455-2800

Department Overview
The UAF Community & Technical College design technology program offers certificate programs that prepare students for entry-level careers in drafting and design. The program combines focused training in computer-aided drafting with a well-rounded exposure to the professions, trades and materials common to construction in Alaska. Program coursework covers many aspects of design and construction, including building materials, codes, and civil, mechanical, electrical and structural technologies.

Learn more about the Design Technology (https://www.ctc.uaf.edu/programs/drafting-design-technology/) program, including an overview of the program, career opportunities, and more.

Occupational Endorsement, Drafting Technology
The occupational endorsement for drafting technician provides education and training to students to qualify for entry-level drafting and construction documentation preparation. This 18-credit occupational endorsement may be earned in two semesters and represents a significant portion of the education required for the Drafting Technology certificate. Students must complete all courses with a grade of C or better in order to earn the endorsement.

This program is open to those who have completed the university application process.

An occupational endorsement, utilizing existing Drafting Technology (DRT) and Construction Management (CM) courses to credential individuals with entry-level training that will get their foot in the door with prospective employers.

Minimum Requirements for Drafting Technology Occupational Endorsement: 18 credits

Certificate, Drafting Technology
The drafting technology programs combine focused training in computer-aided drafting with a well-rounded exposure to the professions, trades and materials common to construction in Alaska. Courses combine technical CAD training with the vocabulary and knowledge needed to communicate with future employers in the architectural, engineering and construction fields. Students develop skills in mathematics, drawing and multifunctional CAD techniques. Students are instructed in traditional drawing techniques, CAD, and building information modeling technologies, giving them the knowledge and flexibility to work traditionally and with the most recent drafting technologies. Required courses cover many aspects of design and construction, including building materials, codes, and civil, mechanical, electrical and structural technologies. Qualified students have the opportunity to work side-by-side with professionals from the architectural and engineering community in internships, gaining valuable on-the-job experience.

Students entering the certificate program are expected to have computer skills equivalent to CIOS F150 (https://catalog.uaf.edu/search/?P=CIOS %20F150).

Minimum Requirements for Drafting Technology Certificate: 30 credits

Programs

Occupational Endorsement
• O.E.C., Drafting Technology (https://catalog.uaf.edu/endorsements/drafting-technology/)

Certificate
• Certificate, Drafting Technology (https://catalog.uaf.edu/certificates/drafting-technology/)