The Drafting Technology Program offers a certificate or associate of applied science in drafting technology. The certificate program offers a choice of six areas of emphasis: architectural drafting; civil drafting; information technology; mechanical and electrical drafting; process technology; or structural drafting. The certificate provides focused, specific education for someone who has experience in the field and needs to know CAD, or has a specific set of job skills they need to obtain. Certificates can be completed in one year (two semesters) for qualified students. The two year associates degree is a broad program focused on preparing a student for work as a drafter in the design and construction industry.

Drafters develop clear, complete and accurate working plans and detailed drawings based on rough sketches and specifications furnished by engineers, architects, or designers. Computer-aided drafting (CAD) systems are the principal tool used to prepare technical drawings. CAD drawings are also the principal source of data for operating machinery used for prototyping and fabrication like CNC (computer numerical controlled) mills and newer technology like 3-D printing and laser cutting. Drafters can work for architectural, engineering or construction firms, government agencies, mining firms and manufacturing industries.
DRAFTING TECHNOLOGY

COURSES INCLUDE

• Introduction to Drafting
• Construction Documents and Drawings
• Beginning CAD
• Intermediate CAD
• Advanced CAD
• Methods of Building Construction
• Codes and Standards
• Architectural Drafting
• Civil Technology
• Civil Drafting
• Mechanical and Electrical Technology
• Introduction to Process Technology
• Drafting for Technicians
• Structural Technology
• Structural Drafting
• Mechanical and Electrical Drafting

PROGRAM HIGHLIGHTS

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. Courses combine technical CAD training with the vocabulary and knowledge needed to communicate with future employers in the architectural, engineering and construction fields.

Class sizes are small to encourage student-instructor interaction and to allow for individualized assistance. Most classes are held in the evening to meet the needs of students who are currently employed. A number of drafting courses are also offered via web.

OTHER DETAILS

Students entering the programs are expected to have computer skills equivalent to CIOS F150.

Students planning to go on to a bachelor’s degree are advised to select courses meeting remaining core requirements and courses designated within bachelor’s degree major and minor. Students who plan to transfer to another institution to continue their studies should work closely with that institution on their degree requirements.

APPLICATION PROCESS

• Review admission requirements with an advisor by calling 907-455-2886 or email uaf-ctc@alaska.edu
• Apply for admission to UAF: www.uaf.edu/admissions/
• Apply for financial aid: www.uaf.edu/finaid/ or call 907-455-2832
• Find classes & register: www.uaf.edu/coursefinder/
• Get your books & class materials organized - UAF Bookstore: www.uaf.bookstr.com
• Start your journey at UAF CTC!

PROGRAM CONTACT

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