Process Technology

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

Department Overview
The process technology program at the UAF Community & Technical College (https://www.ctc.uaf.edu/) offers certificates and degrees that prepare students for employment as operations technicians in the process industry, which includes oil and gas production, mining and milling, transportation and refining, chemical manufacturing, power generation, utilities, wastewater treatment facilities maintenance, and food processing.

Process technology graduates will develop the knowledge and skills required to monitor, control, and troubleshoot the process technologies used in process and manufacturing industries. Instrumentation technology graduates will develop specialized knowledge sought after by the industry to fill instrumentation technician positions worldwide. Mining mill operations program completers will receive an MSHA Surface New Miner Certification certificate and be prepared for mill operator positions in the mining industry.

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

A.A.S., Industrial Process Operator
The Industrial Process Operator program prepares students for employment as operations technicians in process industries, which includes oil and gas production, mining and milling, transportation and refining, chemical manufacturing, power generation, utilities, water treatment facilities and food and beverage processing.

This A.A.S. degree program incorporates technical and academic courses covering topics such as pumps and turbines, instrumentation, safety and quality control. Summer internships offered by some industry partners give students valuable practical experience and exposure to the true nature of industrial process operator careers.

Minimum Requirements for Industrial Process Operator A.A.S. Degree: 60 credits

O.E.C., Mining Mill Operations
The occupational endorsement in mining mill operations provides education and training in the skills and knowledge required of a mining mill operator.

Minimum Requirements for Mining Mill Operations
Occupational Endorsement: 17 credits

Certificate, Instrumentation Technology
The instrumentation technology program will develop entry-level skills in industrial instrumentation. Courses combine the technical know-how, the use of state-of-the-art equipment and hands-on experience necessary for work in a variety of industrial instrumentation fields.

Students are taught the necessary objectives and skill sets required to take the entry-level Instrumentation, Systems and Automation Society certificate examination. This is a nationally recognized certification by industry partners; individuals holding this certification are sought after by industry partners to fill instrumentation technician positions worldwide.

As the process industries expand and automate, the need for qualified technicians increases. This need is currently being addressed by the Industrial Instrumentation & Controls Technology Alliance. CTC and the process technology program are active members of this national alliance.

Minimum Requirements for Instrumentation Technology Certificate: 32 credits

Programs
Degree
• A.A.S., Industrial Process Operator (https://catalog.uaf.edu/associates/industrial-process-operator/)

Occupational Endorsement
• O.E.C., Mining Mill Operations (https://catalog.uaf.edu/endorsements/mining-mill-operations/)

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