AAS Degree
Minimum Requirements for Degree: 63 credits

The process technology program prepares 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.

This AAS degree program incorporates technical and academic courses covering topics such as pumps and turbines, instrumentation, safety and quality control. Summer internships give students valuable practical experience and exposure to the true nature of process technology careers.

Major — AAS Degree
1. Complete the general university requirements (page 94).
2. Complete the AAS degree requirements (page 98).
3. Demonstrate competence in computer technology skills (through the Process Technology program assessment) or complete one of the following:* DRT F110—Computer Literacy for Technicians (3) or CIOS F150—Computer Business Applications (3) or a program advisor-approved computer applications course (3) .................................................................3
4. Complete the following program (major) requirements*:
   PHYS F115X—Physical Science I (4)
   and CHEM F100X—Chemistry in Complex Systems (4)
   or 8 credits of program advisor-approved natural science courses .........................................................8
   PRT F101—Introduction to Process Technology .........................................................3
   PRT F110—Introduction to Occupational Safety, Health and Environmental Awareness ........................................3
   PRT F130—Process Technology I: Equipment .........................................................4
   PRT F140—Industrial Process Instrumentation I .........................................................3
   PRT F144—Industrial Process Instrumentation II .......................................................3
   PRT F230—Process Technology II: Systems ............................................................4
   PRT F231—Process Technology III: Operations ....................................................4
   PRT F250—Process Troubleshooting .................................................................3
   PRT F255—Process Technology Quality ............................................................1
   Major elective credits** ........................................................................9
5. Minimum credits required: .................................................................63

* Students must earn a C grade or better in each course.
** Electives must be approved by the Process Technology Program advisor.
Certificate Requirements

Communication .......................... 2–3 Credits

Complete one of the following:
- ENGL F111X—Introduction to Academic Writing.................................(3)
- ABUS F155—Business English................................................................(3)
- ABUS F271—Business Communications .............................................(3)
- ENGL F211X—Academic Writing about Literature............................(3)
- ENGL F212—Business, Grant and Report Writing*..............................(3)
- ENGL F213X—Academic Writing about the Social and Natural Sciences ..(3)
- COMM F131X—Fundamentals of Oral Communication; Group Context ...(3)
- COMM F141X—Fundamentals of Oral Communication; Public Context ....(3)

Electives to total .................................................................................. 2 Credits

Human Relations .......................... 3 Credits (3)

Complete one of the following:
- ANTH F100X/SOC F100X—Individual, Society and Culture (s).............(3)
- ANL F287—Teaching Methods for Alaska Native Languages (h).............(3)
- ECE F104—Child Development: Prenatal, Infants and Toddlers (s).........(3)
- ECE F107—Child Development II: Preschool and Primary Years (s).....(3)
- ED/PSY F245—Child Development (s).........................................................(3)
- HLTH F106—Human Behavior in Health Care (s).................................(3)
- HUMS F120—Cultural Diversity in Human Services.........................(3)
- RHE F110—Cross-Cultural Bridging Skills (1) AND RHE F115—Issues of Personal Development ......................................................(2)

Major specialty at least ........................................................................21 Credits

Electives to total .................................................................................. 30 Credits

Associate of Applied Science Requirements

Written Communication .......................... 6 Credits

Complete one of the following:
- ENGL F111X—Introduction to Academic Writing.................................(3)
- ABUS F155—Business Math....................................................................(3)
- DEV F105—Intermediate Algebra............................................................(3)
- ECE F117—Math Skills for Early Childhood Educators .......................(3)
- HUMS F117—Math Skills for Early Childhood Educators ....................(3)
- HLTH F116—Math Skills for Health Care ..............................................(3)
- DEVM F105—Intensive Reading Development ......................................(3)
- DEVS F105—Intensive Reading Development ......................................(3)

Electives to total .................................................................................. 60 Credits

Minimum credits required for degree ................................................. 60 Credits