

CIVIL ENGINEERING

B.S., B.S./M.S. Degrees

Civil engineers plan, design and supervise the construction of public and private structures such as bridges, buildings, tunnels, highways, transit systems, dams, offshore structures, airports, irrigation projects, and water treatment and distribution facilities.

Civil engineers use critical thinking and sophisticated technology and employ computer-aided engineering during design, construction, project scheduling and cost control project phases. They are creative problem solvers involved in community development and the challenges of pollution, deteriorating infrastructure, traffic safety, energy needs, floods, earthquakes and urban planning.

The civil engineering program at UAF has maintained accreditation since 1940 and is currently accredited by the Engineering Accreditation Commission of ABET. All engineering programs in the Civil, Geological and Environmental Engineering Department give special attention to problems of Northern and circumpolar regions.

The program educational objectives of the B.S. in civil engineering program are:

1. Graduates earnestly pursue professional careers in civil engineering and related fields.
2. Graduates innovatively meet engineering challenges, including those of cold climates and remote locations, working independently and in teams.
3. Graduates actively serve the professional community, pursue licensure and lifelong learning, and demonstrate high ethical standards.

The civil engineering program offers specialties in transportation, geotechnical, structures, water resources, hydrology and environmental studies. These courses emphasize principles of analysis, planning, evaluation and design in Northern regions.

Minimum Requirements for Civil Engineering Degrees: B.A. 125 credits; B.S./M.S. Degrees: 143 credits

Learn more about the bachelor's degree in civil engineering (<https://uaf.edu/academics/programs/bachelors/civil-engineering.php>), including an overview of the program, career opportunities and more.

College of Engineering and Mines

Department of Civil, Geological and Environmental Engineering (<https://www.uaf.edu/cem/programs/civil-engineering/>)
907-474-7241

Programs Degree

- B.S., Civil Engineering (<http://catalog.uaf.edu/bachelors/bachelors-degree-programs/civil-engineering/bs/>)
- Accelerated B.S./M.S., Civil Engineering (<http://catalog.uaf.edu/accelerated-programs/accelerated-programs-list/civil-engineering-bs-ms/>)