

Civil Engineering Technology

Erin Vitale, Chair
Phone: 607-587-4612
Fax: 607-587-4620
Secretary Phone: 607-587-4617
Email: vitaleem@alfredstate.edu

The Civil Engineering Technology Department offers a bachelor's degree program in construction management, a Bachelor of Technology degree program in construction supervision, as well as an associate degree program in construction engineering technology. Additionally, it offers an associate in surveying engineering technology and a bachelor's in surveying and geomatics engineering technology.

MISSION

Provide graduates with the skills necessary to have a successful career in their chosen field, have a better understanding of the world we live in, and improve their own lives.

FACILITIES

- **Construction management laboratory** – This lab is equipped with 20 computer work stations in conjunction with appropriate estimating software to digitize quantities from drawings and work up estimates electronically. Software commonly used for project scheduling and planning is also used to develop CPM charts. Construction project administration software is also used in this lab.
- **Soils, concrete, and material testing laboratory** – This lab provides a meaningful experience in laboratory and field testing of various construction materials and structural systems. The equipment enables students to learn procedures that meet recognized field testing procedures of the American Concrete Institute (ACI), the American Society for Testing and Materials (ASTM), and NYS Asphalt Testing Certification.
- **Surveying computations laboratory** – The surveying computations lab contains workstations, digitizers, and overhead projection systems. It is designed to support the 'field-to-finish' concept of surveying data collection, data reduction, and analysis as well as computer-aided drafting and design. Students use this facility to work with land development and design software, geographic information system software, and the reduction of satellite data. This lab enables students to do word processing, spreadsheet analysis, programming, data analysis, networked computer-aided design and drafting, and advanced 3-D modeling.
- **Surveying laboratory and equipment room** – The surveying lab serves as the basic laboratory/lecture area for surveying field/design projects. Adjacent to this lab is the room housing a myriad of equipment, including electronic total stations, global positioning satellite equipment, theodolites, transits, and levels.

Please note: Students are required to have laptops. The laptops allow students wireless access to the college network from any location on campus.

DEPARTMENT PROGRAMS

- [Construction Engineering Technology](#) (AAS)
- [Construction Management](#) (BS)
- [Construction Supervision](#) (BTech)
- [Surveying Engineering Technology](#) (AAS)
- [Surveying and Geomatics Engineering Technology](#) (BS)