

Civil Engineering Technology

Richard Carlson, Chair

Phone: 607-587-4681

Fax: 607-587-4620

Administrative Assistant Phone: 607-587-4617

Email: carlsorw@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

- **Joe Laraiso Construction & Geomatics Lab** – This state of the art software lab is equipped with 20 computer work stations arranged in a true team environment to enhance our project based learning. Construction students use estimating, scheduling and project administration software in conjunction with real plans and specifications, performing tasks required on jobsites. The lab is also conducive to Lean Last Planner System planning. Surveying & Geomatics students have access to full-scale Carlson software to perform industry standard mapping tasks. All civil engineering technology department students benefit from AutoCAD and Revit software to create 2D and 3D models of sites and the built environment.
- **Doc Bruce Construction Materials Lab** – 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.
- **The National Fuel Construction Management Student Conference Room** - Student conference room for group work on project based learning activities. This room is equipped with large format wall monitor, wifi, and whiteboard to facilitate group work. In addition, it is available for employers to conduct interviews and students participate in virtual interviews with employers.
- **Walter Sass Surveying Lab** – The surveying lab provides space arranged to demonstrate proper surveying equipment field procedures.
- **Surveying Field 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, 3-D scanner, 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. <https://www.alfredstate.edu/required-laptops>

DEPARTMENT PROGRAMS

[Civil Engineering Technology](#) (BS)

[Construction Engineering Technology](#) (AAS)

[Construction Management](#) (BS)

[Construction Supervision](#) (BTech)

[Surveying Engineering Technology](#) (AAS)

[Surveying and Geomatics Engineering Technology](#) (BS)

Alfred State College Surveying Students performing lab exercises with equipment (Nikon & Trimble Total Stations) acquired with the help of our industry partners. Manual and Robotic Total Stations paired with the latest data collector software running on tablets allows our students to "Hit the ground running"... upon graduation. Thank you – [BuildingPoint Northeast](#) and [Keystone Precision Solutions](#)!

Alfred State College Surveying student performing a GNSS survey using a Carlson BRx7 receiver with SurvPC on a RT4 Tablet. Using the latest GNSS equipment and software allows our students to "Hit the ground running"...upon graduation. Acquired with the help of our industry partner, Thank you - [Carlson Software](#)!