Program Information

The Anoka Technical College Construction Estimating Technician is a 46-credit diploma program that consists of technical courses designed to develop skills relating to the field of construction cost estimating, quantity surveying and building materials. In addition to estimating skills, the student receives training in related areas such as plan reading, residential/commercial construction, specifications, construction scheduling and Computer Aided Drafting (CAD) and Revit software.

To further enhance students’ Construction Estimating skills, they will receive training in related areas, such as building codes and building mechanical and electrical systems, as well as emerging technologies in energy-efficient design. Students receive hands-on training in industry standard computer-aided drafting software (AutoCAD), building information modeling (BIM) technology, project coordination software like BluBeam, and insurance estimating software like Xactimate. Scanning to point cloud and 3D modeling from drone survey data will also be demonstrated.

Program Learning Outcomes

1. Construction Print Reading
2. Residential construction materials estimating
3. Commercial construction materials estimating
4. Construction general conditions estimating
5. Computer Estimating
6. Drone Capture
7. Revit Schedules
8. Project Coordination

Industry and Career Outlook

Graduates of the Construction Estimating diploma program learn skills and technology that can be applied to a wide variety of careers in the construction industry employers including but not limited to an architectural, electrical, mechanical, structural or civil engineering firm. Construction subcontractors, lumber suppliers, home improvement centers. Residential builders and construction material suppliers are all possible employers. Quantifying utility and infrastructure design elements is another area for this certificate.

Wage information is available from the Minnesota Department of Employment and Economic Development.

Some courses in this program may require a prerequisite. Please see course descriptions for more details.

Program Sequence

Fall Semester
- CEST 1000 Residential Construction ........................................ 15
- ARCH 1000 Construction Print Reading .................................. 2
- ARCH 1002 Construction Print Reading .................................. 2
- ARCH 1043 Architectural CAD I ............................................. 3
- CEST 1000 Construction Estimating I ...................................... 3
- CEST 1055 Construction Estimating II ..................................... 3
- COMP 1002 Computer Technologies for Communication ...... 2

Spring Semester
- CEST 1020 Construction Document Management .................. 4
- CEST 1075 Computer Estimating ........................................... 2
- ARCH 1015 Commercial Construction .................................. 2
- ARCH 1031 Building Systems ................................................. 2
- ARCH 1052 Architectural CAD II .......................................... 3
- ARCH 2025 Revit Architectural 3D CAD ............................... 2
- CEST 1010 Construction Estimating II ................................... 3
- CEST 1020 Computer Estimating ........................................... 2

Graduation Requirements

Students must earn a cumulative 2.0 GPA or higher to be eligible for graduation from this program.

Faculty Contact

Daniel Lund ................................................................. 763-576-4163
Dawn Wirtz ................................................................. 763-576-4073

For information on how to apply, to schedule a tour, or for service during summer hours, contact Enrollment Services at 763-576-7710 or EnrollmentServices@anokatech.edu

Also see: Architectural Technology AAS, Architectural and Construction Technician diploma, Architectural 2C CAD certificate, and Construction Estimating certificate