CONSTRUCTION ENGINEERING TECHNOLOGY ASSOCIATE IN APPLIED SCIENCE

Program Description

This program prepares students for limited site supervision, contracting, estimating, scheduling and assistant project management in a construction office.

Mission Statement

Graduates of the Construction Engineering Technology associate degree will be prepared with the technical skills necessary to enter careers with construction companies, highway departments, contractors, and architectural and engineering firms. Graduates will have gained knowledge in the building, operation and maintenance of buildings and infrastructure and will be equipped with the ability to utilize basic construction documents to participate in construction activities. Students will be prepared for limited site supervision, estimating, scheduling and assistant project management in a construction office.

Entrance Requirements

High school diploma or GED.

Type of Program

Day or evening

Professional Credentials

Graduates are prepared to take the South Carolina General Contractors and the South Carolina Residential Contractors exams. Students must have one year of work experience under a licensed contractor. It is advised to review eligibility requirements with the LLR.

Program Accreditation

The CET Associate in Applied Science program is accredited by the Engineering Technology Accreditation Commission of ABET, https://www.abet.org/.

Employment Opportunities

Construction companies, estimating firms, highway departments, builders, architectural/engineering firms

Transfer Options

Students planning to transfer and pursue a bachelor's degree in engineering are strongly urged to utilize Greenville Technical College's academic advising services. The transfer process for specific career pathways is very specific and leaves little opportunity for error in choosing classes. It is very important that students discuss curriculum and transfer requirements with their assigned academic advisor and with a transfer advisor at the four-year institution of their choice. It is most beneficial to the student if these discussions begin as soon as the choice to transfer to a four-year institution has been made.

Visit our web page at https://www.gvltec.edu/cet/.

Recommended Program Schedule

Listed below is the ideal grouping of courses in order by semester. This plan assumes a full-time schedule. Note, however, that many variables can affect this plan, and not every course is offered every semester. Please see your advisor to map out your own personalized progression toward graduation.

The course schedule listed is designed for students who begin the program with ENG 101 English Composition I* and MAT 110 College Algebra* based on the placement test.

Note: Please contact your advisor for recommended evening schedules.

First Semester		Hours
COL 105	Freshman Seminar	3
AET 110	Architectural Graphics I	3
AET 105	Construction Documents	3
MAT 110	College Algebra	3
CET 120	Construction Materials	3
	Total Semester Hours	**15**
Second Semester		
CET 103	Construction Surveying	2
ENG 101	English Composition I	3
AET 101	Building Systems I	3
PHY 201	Physics I	4
AET 103	International Building/Residential Codes	3
	Total Semester Hours	**15**
Third Semester		
EGR 130	Engr Tech Applications & Programming	3
Humanities Elective (HSS 295 suggested)		3
Social Science Elective (ECO 211 suggested)		3
MAT 111	College Trigonometry	3
	Total Semester Hours	**12**
Fourth Semester		
CET 232	Construction Estimating I	4
SPC 205	Public Speaking	3
CET 230	Construction Management	3
CET 115	Mechanical & Electrical Systems	2
EGR 194	Statics and Strength of Materials	4
	Total Semester Hours	**16**
Fifth Semester		
CET 254	Construction Senior Project (or Department Head approved CWE course)	5
CET 236	Computerized Construction Estimating	4
CET 238	Construction Planning & Scheduling	2
AET 201	Building Systems II	3
AET 127	Building Information Modeling (or department head-approved elective)	3
	Total Semester Hours	**17**
	Total Required Credit Hours	**75**