

Construction Engineering Technology

Construction Engineering Technology Associate in Applied Science

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:

Acceptable placement test score(s), plus high school diploma or GED.

Type of Program:

Day only

Employment Opportunities:

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

- This program prepares students for limited site supervision, contracting, estimating, scheduling, and assistant project management in a construction office.
- Graduates are prepared to take the South Carolina General Contractors and the South Carolina Residential Contractors exams.
- The CET program is accredited by the Engineering Technology Accreditation Commission of ABET (www.abet.org).
- Graduates may continue their education toward a Bachelor of Science degree at Clemson University or at four-year institutions offering Bachelor of Engineering Technology programs. Students interested in transferring should take University Transfer courses and meet with their advisor for assistance.

Recommended Program Schedule

(*See Note: Developmental Studies, COL 103, and EGR 102)

First Semester - Fall

AET	105	Construction Documents	3.0
AET	110	Architectural Graphics I	3.0
CET	120	Construction Materials	3.0
ENG	101	English Composition I*	3.0
MAT	110	College Algebra*	3.0

Second Semester - Spring

AET	101	Building Systems I	3.0
AET	103	International Building and Residential Codes	3.0
CET	103	Construction Surveying	2.0
PHY	201	Physics I*	4.0
CPT	170	Microcomputer Applications	3.0
		or	
EGR	130	Engineering Technology Applications & Programming (preferred)	
SPC	205	Public Speaking*	3.0

Third Semester - Summer

ART	101	Art History and Appreciation*	3.0
MAT	111	College Trigonometry	3.0
ECO	211	Microeconomics*	3.0
		or	
PSY	201	General Psychology*	
		or	
SOC	101	Introduction to Sociology*	

Fourth Semester - Fall

CET	115	Mechanical and Electrical Systems	2.0
CET	232	Construction Estimating I	4.0
CET	234	Construction Estimating II	4.0
EGR	194	Statics & Strength of Materials	4.0

Fifth Semester - Spring

AET	201	Building Systems II (or department head-approved elective)	3.0
CET	220	Concrete and Steel Design	3.0
CET	236	Computerized Construction Estimating	4.0
CET	238	Construction Planning & Scheduling	2.0
CET	254	Construction Senior Project	5.0

Total Required Credit Hours:**73.0**

*General education course

Note: Please contact your advisor for recommended evening schedules.

** The course schedule listed above is designed for students who begin the program with ENG 101 and MAT 110 (MAT 140) based on the placement test. Students that are taking pre-requisite courses for MAT 110 should also take the following courses: COL 103 for students taking MAT 100 and/or EGR 102 for students who are taking MAT 105.

Visit <https://www.gvltec.edu/gainful-employment/> for important information about the educational debt, earnings and graduation rates of students who attended programs.