

Construction Engineering Technology Associate in Applied Science with Transfer to Clemson University Construction Science and Management

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)

Type of Program:

Day only

Employment Opportunities:

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

- Graduates of Greenville Tech's Associate Degree in Construction Engineering Technology who meet all of the below listed criteria may apply for transfer to Clemson University and major in the Bachelor of Science in Construction Science and Management Degree Program. The criteria are as follows:
 - ❑ The student will have received the Associate in Applied Science Degree with a major in Construction Engineering Technology (two-year transfer option) from Greenville Tech.
 - ❑ The student must complete a Student Agreement (see advisor) and satisfy the current required courses agreed on between Greenville Tech's CET Department and Clemson's Construction Science and Management Department.
 - ❑ The students' cumulative grade point ratio must be 2.8 or higher. A grade of "C," or better, is necessary in all courses applied toward a bachelor's degree.
 - ❑ The student must achieve the minimum score on the South Carolina Education Entrance Examination and forward the scores to Clemson University.
 - ❑ Each student at Greenville Tech who intends to follow this program must sign the "Student Transfer Agreement" document before completing 30 credit hours at Greenville Tech. The dean of the School of Advanced Manufacturing & Engineering Technology at Greenville Tech and the dean of the College of Architecture, Arts and Humanities at Clemson University must also sign this agreement.
- 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.
- Graduates may continue their education toward a Bachelor of Science degree at Clemson University in Construction Science Management by following the GTC/CU articulation agreement.
- Graduates may also continue their education 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	140	Analytical Geometry & Calculus I*	4.0
ACC	101	Accounting Principles I*	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
CPT	170	Microcomputer Applications	3.0
		or	
EGR	130	Engineering Technology Applications & Programming (preferred)	
SPC	205	Public Speaking*	3.0
PHY	201	Physics I*	4.0

Third Semester - Summer

ART	101	Art History and Appreciation*	3.0
ECO	211	Microeconomics*	3.0
ENG	102	English Composition II*	3.0
PHY	202	Physics II*	4.0

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
ECO	210	Macroeconomics*	3.0
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

Sixth Semester - Summer

ENG	20x	(200-level literature course)*	3.0
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Total credit hours

87.0

*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.