Computer Aided Design II

Certificate in Applied Science
Credit Requirements: 12 Semester Credit Hours

This program is designed for students desiring advanced computer aided design skills to generate engineering drawings. Topics include three-dimensional CAD, feature-based modeling and CAD/CAM applications.

Admission into this program requires proof of high school graduation (or GED) and qualifying scores on SAT, ACT or the TTC placement test.

Completion of the Computer Aided Design I certificate is required for admission into this program.

Recommended Sequence of Courses
First Semester – Fall

EGT 251	Principles of CAD	3
EGT 252	Advanced Computer Aided Design	3
		Total 6

Second Semester – Spring

EGT 265	CAD/CAM Applications	3
		Total 3

Third Semester – Summer

EGT 245	Principles of Parametric CAD	3
		Total 3

Construction Management

Certificate in Applied Science
Credit Requirements: 17 Semester Credit Hours

This certificate prepares you to work in construction management. It includes reading and understanding construction blueprints, construction materials and methods, materials estimating, scheduling and construction management.

Admission into this program requires proof of high school graduation (or GED) and qualifying scores on SAT, ACT or the TTC placement test.

Recommended Sequence of Courses
First Semester – Fall

CET 120	Construction Materials	3
CET 127	Building Construction and Print Reading	4
		Total 7

Second Semester – Spring

CET 230	Construction Management	3
CET 245	Cost Estimating	3
		Total 6

Third Semester – Summer

CET 135	Construction Contracts	2
CET 238	Construction Planning and Scheduling	2
		Total 4

Electrical Engineering Transfer (The Citadel)

Certificate in Applied Science
Credit Requirements: 31 Semester Credit Hours

This certificate allows you to select course work to transfer to The Citadel's bachelor of science in Electrical Engineering curriculum. Please see an advisor for actual course offering times, scheduling and prerequisites. For entry into the program, you must be a high school graduate or possess a GED and have taken the prerequisite for each course listed.

Recommended Sequence of Courses

ECE 201	Electrical and Computer Engineering Seminar	1
ECE 205	Electrical and Computer Lab I	3
ECE 221	Introduction to Electrical Engineering I	3
ECE 222	Introduction to Electrical Engineering II	3
EGR 273	Problem Solving for Engineers	2
EGR 275	Introduction to Engineering/ Computer Graphics	3
MAT 240	Analytic Geometry and Calculus III	4
MAT 242	Differential Equations	4
PHY 221	University Physics I	4
PHY 222	University Physics II	4
		Total 31

Electrical Engineering Transfer (USC)

Certificate in Applied Science
Credit Requirements: 34 Semester Credit Hours

This certificate allows you to select course work to transfer to the University of South Carolina's bachelor of science in Electrical Engineering curriculum. Please see an advisor for actual course offering times, scheduling and prerequisites. For entry into the program, you must be a high school graduate or possess a GED and have taken the prerequisite for each course listed.