

Civil Engineering Transfer (The Citadel)

Certificate in Applied Science

Credit Requirements: 36 Semester Credit Hours

This certificate allows you to select course work to transfer to The Citadel's Bachelor of Science in Civil 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

EGR 260	Engineering Statics	3
EGR 275	Introduction to Engineering/ Computer Graphics	3
EGR 282	Introduction to Civil Engineering	2
EGR 285	Engineering Surveying I	3
EGR 286	Engineering Surveying II	3
EGR 295	Engineering Surveying Lab I	1
EGR 296	Engineering Surveying Lab II	1
MAT 141	Analytic Geometry and Calculus II	4
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 36

Civil/Mechanical Engineering Transfer (USC)

Certificate in Applied Science

Credit Requirements: 38 Semester Credit Hours

This certificate allows you to select course work to transfer to the University of South Carolina's Bachelor of Science in either Civil or Mechanical 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 221	Introduction to Electrical Engineering I	3
EGR 260	Engineering Statics	3
EGR 262	Engineering Dynamics	3

EGR 264	Introduction to Engineering Mechanics of Solids	3
EGR 266	Engineering Thermodynamics Fundamentals	3
EGR 275	Introduction to Engineering/ Computer Graphics	3
MAT 141	Analytic Geometry and Calculus II	4
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
or		
CHM 111	College Chemistry II	4
or		
BIO 101	Biological Science I	4
or		
BIO 102	Biological Science II	4

Total 38

Computer Aided Design I

Certificate in Applied Science

Credit Requirements: 9 Semester Credit Hours

This program introduces you to the computer and how it can be used to generate engineering drawings. Topics include beginning and advanced two-dimensional CAD.

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

EGT 109	Introduction to Engineering Design Graphics	3
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Total 3

Second Semester – Spring

EGT 151	Introduction to CAD	3
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Total 3

Third Semester – Summer

EGT 152	Fundamentals of CAD	3
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Total 3