

Engineering Technology

Recommended Sequence of Courses

ECE 205	Electrical and Computer Lab I	3
ECE 211	Introduction to Computer Engineering I	3
ECE 212	Introduction to Computer Engineering II	3
ECE 221	Introduction to Electrical Engineering I	3
ECE 222	Introduction to Electrical Engineering II	3
EGR 270	Introduction to Engineering	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 34

Engineering Design Graphics

Certificate in Applied Science

Credit Requirements: 34 Semester Credit Hours

The Engineering Design Graphics program prepares you for employment in the broad field of drafting with industry, government and other users of graphic communication. You learn manual and computer aided drafting skills. Graduates typically obtain drafting jobs in architectural, electrical, mechanical, marine, civil, electronics or commercial drafting.

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
EGT 109	Introduction to Engineering Design Graphics	3

or

EGR 275	Introduction to Engineering/Computer Graphics	3
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Total 6

Second Semester – Spring

EGT 115	Engineering Graphics II	4
EGT 151	Introduction to CAD	3

Total 7

Third Semester – Summer

AET 110	Architectural Graphics I	3
EGT 210	Engineering Graphics III	4
EGT 220	Structural and Piping Application	4

Total 11

Fourth Semester – Fall

AET 111	Architectural Computer Graphics I	3
EGT 152	Fundamentals of CAD	3

Total 6

Fifth Semester – Spring

AET 221	Architectural Computer Graphics II	4
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Total 4

Surveying

Certificate in Applied Science

Credit Requirements: 20 Semester Credit Hours

This certificate prepares you for a career in the land surveying job market. It is designed for those individuals having little or no surveying experience and for those who presently hold a position with a surveying firm and desire to move into another position.

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 – Summer

*EGT 109	Introduction to Engineering Design Graphics	3
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Total 3

Second Semester – Fall

CET 204	Surveying I	4
MAT 110	College Algebra	3

Total 7

Third Semester – Spring

CET 205	Surveying II	4
EGT 151	Introduction to CAD	3
MAT 111	College Trigonometry	3

Total 10

**Allowable alternate: EGR 275*