

Engineering Technology

Recommended Sequence of Courses

First Semester – Fall

CET 120	Construction Materials	3
CET 204	Surveying I	4
***EGT 109	Introduction to Engineering Design Graphics	3
ENG 101	English Composition I	3
*MAT 110	College Algebra	3
		Total 16

Second Semester – Spring

CET 205	Surveying II	4
EGT 151	Introduction to CAD	3
EGR 110	Introduction to Computer Environment	3
*MAT 111	College Trigonometry	3
		Total 13

Third Semester – Summer

EGR 190	Statics	3
**PHY 201	Physics I	4
PSY 201	General Psychology	3
SPC 205	Public Speaking	3
		Total 13

Fourth Semester – Fall

CET 210	Strength of Materials	3
CET 218	Hydraulics	3
GMT 250	Evidence Procedures for Boundary Control	3
*MAT 130	Elementary Calculus	3
or		
MAT 120	Probability and Statistics	3
**PHY 202	Physics II	4
		Total 16

Fifth Semester – Spring

CET 215	Soil Mechanics Fundamentals	2
CET 244	Structural Steel Design	3
CET 246	Environmental Systems Technology	3
CET 251	Highway Design	3
ELE CET	Select one course from the Civil Engineering Technology Electives	2-4
REQ HUM	Select one course from Humanities listing on page B-3	3
		Total 16

Civil Engineering Technology Electives

AET 110	Architectural Graphics I	3
CET 127	Building Construction and Print Reading	4
CET 135	Construction Contracts	2
CET 230	Construction Management	3
CET 238	Construction Planning and Scheduling	2

CET 245	Cost Estimating	3
CWE	Cooperative Work Experience	2
EGR 282	Introduction to Civil Engineering	2
EGT 152	Fundamentals of CAD	3

*Students may choose any of the following math sequences: MAT 110, MAT 111, MAT 130; or MAT 110, MAT 111, MAT 120; or MAT 110, MAT 111, MAT 140; or MAT 112, MAT 140.

**Students may choose PHY 221 instead of PHY 201 and PHY 222 or CHM 110 instead of PHY 202.

***Allowable alternate: EGR 275

Civil Engineering Technology

Associate in Applied Science

Credit Requirements: 74-76 Semester Credit Hours Day/Evening

The Civil Engineering Technology program prepares students to perform at the technician level in engineering design, drafting, surveying and construction. Employers of Civil Engineering Technology graduates include engineering consultants, surveying firms, state and federal governments, public works, construction companies, highway departments, and soil and materials testing firms. Graduates typically obtain jobs working under the supervision of land development engineers, building inspectors, construction superintendent trainees, and soil- and concrete-testing technicians. They aid engineers in the design of steel and concrete structures, highways, storm drainage, sewage and water supply systems. They also obtain jobs as members of survey teams or in computer aided drafting and design. Note: A number of Civil Engineering Technology courses are offered only during the day.

Recommended Sequence of Courses

First Semester – Fall

CET 120	Construction Materials	3
***EGT 109	Introduction to Engineering Design Graphics	3
ENG 101	English Composition I	3
		Total 9

Engineering Technology

Second Semester – Spring

EGR 110	Introduction to Computer Environment	3
*MAT 110	College Algebra	3
REQ HUM	Select one course from Humanities listing on page B-3	3
		Total 9

Third Semester – Summer

EGT 151	Introduction to CAD	3
*MAT 111	College Trigonometry	3
		Total 6

Fourth Semester – Fall

CET 204	Surveying I	4
PSY 201	General Psychology	3
		Total 7

Fifth Semester – Spring

CET 205	Surveying II	4
		Total 4

Sixth Semester – Summer

EGR 190	Statics	3
**PHY 201	Physics I	4
		Total 7

Seventh Semester – Fall

CET 210	Strength of Materials	3
CET 218	Hydraulics	3
GMT 250	Evidence Procedures for Boundary Control	3
		Total 9

Eighth Semester – Spring

CET 215	Soil Mechanics Fundamentals	2
CET 251	Highway Design	3
		Total 5

Ninth Semester – Summer

*MAT 120	Probability and Statistics	3
or		
MAT 130	Elementary Calculus	3
**PHY 202	Physics II	4
		Total 7

Tenth Semester – Fall

SPC 205	Public Speaking	3
		Total 3

Eleventh Semester – Spring

CET 244	Structural Steel Design	3
CET 246	Environmental Systems Technology	3
ELE CET	Select one course from Civil Engineering Technology Electives 2-4	2-4
		Total 8-10

Civil Engineering Technology Electives

AET 110	Architectural Graphics I	3
CET 127	Building Construction and Print Reading	4
CET 135	Construction Contracts	2
CET 230	Construction Management	3
CET 238	Construction Planning and Scheduling	2
CET 245	Cost Estimating	3
CWE	Cooperative Work Experience	2
EGR 282	Introduction to Civil Engineering	2
EGT 152	Fundamentals of CAD	3

**Students may choose any of the following math sequences: MAT 110, MAT 111, MAT 130; or MAT 110, 111, 120; or MAT 110, MAT 111, MAT 140 ;or MAT 112, MAT 140.*

***Students may choose PHY 221 instead of PHY 201, and PHY 222 or CHM 110 instead of PHY 202.*

****Allowable alternate: EGR 275*

Electronics Engineering Technology

Associate in Applied Science

Credit Requirements: 70-73 Semester Credit Hours Day

The Electronics Engineering Technology program prepares students for a broad range of jobs in the electrical and electronic fields. Graduates of the program may become employed as broadcast technicians, business machine technicians, customer service representatives, computer service technicians, engineering technicians, laboratory technicians, field engineering technicians, engineering aides, electrical sales technicians, technical writers and electrical instrument technicians.

Recommended Sequence of Courses

First Semester – Fall

EGR 104	Engineering Technology Foundations	3
EGR 110	Introduction to Computer Environment	3
ENG 101	English Composition I	3
MAT 110	College Algebra	3
		Total 12