

## Associate in Applied Science Degree

### CIVIL ENGINEERING TECHNOLOGY

If you enjoy mathematical challenges and like to build things, a Civil Engineering Technology degree might be just the program for you. Students will learn to apply theory and principles of Civil Engineering Technology in planning, designing, and overseeing construction and maintenance of structures and facilities under the direction of engineering staff. Civil Engineering Technology graduates also have the option to continue their education by transferring to a senior institution and pursuing a Bachelor's Degree in Engineering Technology. For transfer option see an Civil Engineering Program advisor.

#### CURRICULUM SEQUENCE

##### First Semester - Fall

EGR 170	Engineering Materials	3
EGR 270	Introduction to Engineering	3
EGR 282	Introduction to Civil Engineering	2
EGT 101	Basic Technical Drawing	2
MAT 175	Algebra and Trigonometry I*	3
	<b>TOTAL</b>	<b>13</b>

##### Second Semester - Spring

EGR 260	Engineering Statics	3
EGR 275	Intro. to Engineering/ Computer Graphics	3
EGR 285	Engineering Surveying I	3
EGR 295	Engineering Surveying Lab I	1
ENG 155	Communications*	3
	<b>TOTAL</b>	<b>13</b>

##### Third Semester - Summer

CET 210	Strength of Materials	3
EGR 286	Engineering Surveying II	3
EGR 296	Engineering Surveying Lab II	1
EGR 289	SCWE in Civil Engineering Technology	3
	<b>TOTAL</b>	<b>10</b>

##### Fourth Semester - Fall

CET 216	Soil Mechanics	3
CET 218	Hydraulics	3
CET 242	Concrete Design	3
ENG 160	Technical Communications*	3
PSY 103	Human Relations*	3
	<b>TOTAL</b>	<b>15</b>

##### Fifth Semester - Spring

CET 245	Cost Estimating	3-4
or		
CET 127	Building Construction Print Reading	
CET 246	Environmental Systems Technology	3
CET 251	Highway Design	3
EGR 288	Drainage Design	3
PHI 103	Workplace Ethics*	3
	<b>TOTAL</b>	<b>15-16</b>
	<b>TOTAL CREDIT HOURS</b>	<b>66-67</b>

(Continued)

\*The following university transferable sequences may be substituted: MAT 110, MAT 111, MAT 140 for MAT 175/176/130 and ENG 101, ENG 102 and SPC 205 for ENG 155/160; PSY 201 for PSY 103 and PHI 110 for PHI 103; PHY 221 for PHY 201. Please see department chair for specific details.