

Degree: **Associate in Applied Science**  
 Major: **CIVIL ENGINEERING TECHNOLOGY (CET3)**  
 Credit Requirements: 73 Credit Hours

The Civil Engineering Technology Associate Degree program is accredited by the Technology Accreditation Commission of the Accreditation Board for Engineering and Technology. Graduates of the CET program are prepared to seek careers in the planning, design and construction of roads, bridges, canals, dams, water and sewerage plants, and similar projects. Work to which civil engineering technicians might be assigned includes: Computer aided drafting of construction and industrial drawings, writing specifications, cost estimating, construction job inspection, surveying and map preparation. Civil Engineering Technology graduates also have the option to continue their education by transferring to a four-year institution and pursuing a Bachelor's Degree in Engineering Technology.

FIRST SEMESTER (FALL)

CET 120	Construction Materials	3
EGR 120	Engineering Computer Applications	3
EGT 101	Basic Technical Drawing	2
ENG 155	Communications I**	3
MAT 175	Algebra and Trigonometry I**	3
	<b>TOTAL</b>	<b>14</b>

SECOND SEMESTER (SPRING)

CET 105	Surveying I	3
EGR 190	Statics	3
EGT 151	Introduction to CAD	3
MAT 176	Algebra and Trigonometry II**	3
CHM 110	College Chemistry I <sup>a</sup>	4
	<b>TOTAL</b>	<b>16</b>

THIRD SEMESTER (SUMMER)

CET 205	Surveying II	4
CET 210	Strength of Materials	3
MAT 130	Elementary Calculus**	3
	Elective*	3
	<b>TOTAL</b>	<b>13</b>

FOURTH SEMESTER (FALL)

CET 216	Soil Mechanics	3
CET 218	Hydraulics	3
CET 242	Concrete Design	3
ENG 160	Technical Communications**	3
PSY 201	General Psychology	3
	<b>TOTAL</b>	<b>15</b>

FIFTH SEMESTER (SPRING)

CET 245	Cost Estimating	3
CET 246	Environmental Systems Technology	3
CET 251	Highway Design	3
CET 252	Special Topics in Engineering Technology	3
PHI 110	Ethics**	3
	<b>TOTAL</b>	<b>15</b>
	<b>TOTAL CREDIT HOURS</b>	<b>73</b>

\*EGT 252 is suggested, with EGT 151 as a prerequisite.

\*\*The following university transferrable sequences may be substituted: MAT 110/MAT 111/MAT 140 for Math or ENG 101/ENG 102 with SPC 205 for English.

<sup>a</sup>Students may substitute PHY 201 if better suited to their academic and/or career goals.