2020-2021 TTC Catalog

Civil Engineering Technology

Associate in Applied Science in Civil Engineering Technology

63 Credit Hours

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 as building inspectors, construction superintendent trainees and soil- and concrete-testing technicians, and under the supervision of engineers. They aid engineers in the design of steel and concrete structures, highways, storm drainage, land development, sewage and water supply systems. They also obtain jobs as members of survey teams or in computer-aided drafting and design.

General Education Core Requirements

ENG 101 English Composition I 3
MAT 170 Algebra, Geometry and Trigonometry I 3
SPC 205 Public Speaking 3
or
SPC 209 Interpersonal Communication 3

REQ HUM	Select from Humanities	3
REQ SSC	Select from Behavioral/Social Sciences	3

Total: 15

Major Requirements

CET 120 Construction Materials 3
CET 127 Building Construction and Print Reading 4
CET 204 Fundamentals of Surveying 4
CET 215 Soil Mechanics Fundamentals 2
CET 218 Hydraulics 3
CET 230 Construction Management 3
CET 245 Cost Estimating 3
CET 246 Environmental Systems Technology 3
CWE 114 Cooperative Work Experience 4
EGR 110 Introduction to Computer Environment 3
EGR 194 Statics and Strength of Materials 4
EGR 290 Numerical Applications in Engineering Technology 3

EGT 151 Introduction to CAD 3
EGT 152 Fundamentals of CAD 3
EGT 257 Advanced Civil CAD 3

Total: 63

Admission Requirements

Admission into this program requires proof of high school graduation (or GED) and qualifying scores on SAT, ACT or the TTC placement test.