

Civil Engineering Technology

Associate in Applied Science Degree

This program prepares students to enter the workforce as civil engineering technicians (or related positions) or transfer to a higher education institution. Coursework addresses the planning, design, and construction phase of civil engineering projects including aspects such as highway design, soil mechanics, material strength, steel & reinforced concrete design, hydraulics, hydrology, and construction management. Instruction occurs in the classroom, field, and laboratory settings. The program includes the use of MicroStation and Civil3D, the CAD platforms most widely used in the civil engineering field. A Capstone project with a service-learning component is completed using knowledge gained in the program. The Civil Engineering Technology Program is accredited by the Engineering Technology Accreditation Commission of ABET, <https://www.abet.org>.

Total Credit Hours: 64

First Semester

CF100 College Foundations Seminar	1.0
EN101 English 1: Composition	3.0
CT102 Eng Drawing and Microstatn CAD	3.0
CT141 Intro Civil Engineering Tech	2.0
CT265 Introduction to GIS	3.0
MA121 Fund Coll Math 1	4.0
Physical Education Elective	0.5

Second Semester

EN102 English 2:Idea&Values Lit	3.0
CT121 Statics	3.0
MA122 Fund Coll Math 2	4.0
PH151 General Physics 1	4.0
Social Science Elective (a)	3.0
Physical Education Elective	0.5

Third Semester

CT151 Surveying 1	4.0
CT221 Strength Of Materials	4.0
CT222 Soil Mech&Foundatns	4.0
CT231 Transportation Engnr	3.0
Physical Education Elective	0.5

Fourth Semester

CT225 Structural Steel Design	3.0
CT226 Reinforc Conc Des	3.0
CT232 Environmental Engineering	3.0
CT243 Construction Mgmnt	2.0
CT299 Capstone Design Project-Civil	3.0
Physical Education Elective	0.5

(a) Restricted Social Science Electives: AN101 Biological Anthropology, BM101 Survey of Economics, PS101 American National Government, PY101 Introduction to General Psychology, or SO101 Introduction to Sociology.