

BS IN CONSTRUCTION ENGINEERING TECHNOLOGY

First Term		Hours
ENGT 1000	Engineering Technology Orientation	1
MATH 1330	Trigonometry	3
ENGL 1110	College Composition I	3
CET 1010	Intro to Constr Eng Technology	1
CET 1100	Architectural Drafting	3
CET 1150	Construction Materials And Codes	3
Hours		14

Second Term		Hours
PHYS 2010	Technical Physics I	5
ENGL 2950	Science And Technical Report Writing	3
CET 1210	Surveying	3
CET 1250	Building Systems	3
Social Sciences Core		3
Hours		17

Third Term		Hours
PHYS 2020	Technical Physics II	5
MATH 2450	Calculus For Engineering Technology I	4
CET 1200	Engineering Mechanics	4
CET 2110	Materials Testing	3
CET 2010	Construction Safety	1
Hours		17

Fourth Term		Hours
CET 2030	Construction Graphics	3
CET 2060	Construction Estimating	3
CET 2220	Soil Mechanics	3
CET 2250	Structural Design	4
Social Sciences Core		3
Hours		16

Fifth Term		Hours
CET 3010	Architectural CADD	4
CET 3210	Surveying Applications	3
Communication Elective		3
MATH 2460	Calculus For Engineering Technology II	4
Natural Sciences Core		3
Hours		17

Sixth Term		Hours
Professional Development or Technical Elective		3
CET 3120	Advanced Construction Materials	3
CET 3160	Contracts and Specifications	3
CET 3220	Hydrology And Hydraulics	3
ENGT 3010	Applied Statistics And Design Of Experiments	4
Hours		16

Seventh Term		Hours
Professional Development or Technical Elective		3
Arts/Humanities Core		3
CET 4250	Advanced Structural Design	4
CET 4460	Construction Management And Scheduling	3
ENGT 3600	Engineering Economics	3
Hours		16

Eighth Term		Hours
CET 4350	Soils, Foundations And Earth Structures	3
ENGT 4050	Senior Technology Capstone	3
Professional Development or Technical Elective		3
Diversity of US		3
Arts/Humanities Core		3
Hours		15
Total Hours		128

- (1) an ability to apply knowledge, techniques, skills and modern tools of mathematics, science, engineering, and technology to solve broadly-defined engineering problems appropriate to the discipline;
- (2) an ability to design systems, components, or processes meeting specified needs for broadly-defined engineering problems appropriate to the discipline;
- (3) an ability to apply written, oral, and graphical communication in broadly-defined technical and non-technical environments; and an ability to identify and use appropriate technical literature;
- (4) an ability to conduct standard tests, measurements, and experiments and to analyze and interpret the results to improve processes; and
- (5) an ability to function effectively as a member as well as a leader on technical teams.