

CIVIL ENGINEERING (BS)

Suggested Sequence of Courses for a Bachelor of Science Degree in Civil Engineering

Course	Title	Hours
Freshman Year		
First Semester		
ENGR-1200	Introduction to Engineering	2
PHYS-2100 & PHYS-2101	Classical Physics I and Classical Physics I Lab	4
CHEM-1200	General Chemistry I Lecture	3
CHEM-1201	General Chemistry I Laboratory	1
MATH-1300	Calculus I	4
EXSC-1115	Wellness for Life	1
GNST-1000	BC Experience	1
Hours		16
Second Semester		
ENGR-1500	Technical Drawing	2
PHYS-2110 & PHYS-2111	Classical Physics II and Classical Physics II Lab	4
CHEM-1210	General Chemistry II Lecture	3
CHEM-1211	General Chemistry II Lab	1
MATH-1350	Calculus II	4
ENGL-1010	English Composition	3
Hours		17
Sophomore Year		
First Semester		
CIVL-2000	Computing in Civil Engineering	1
ENGR-2300	Statics	3
CIVL-2150	Geomatics & Terrain Modeling Lab	2
MATH-2300	Calculus III	4
PHIL-1750	Principles of Nature	3
THEO-1100	Introduction to Theology	3
Hours		16
Second Semester		
ENGR-2310	Dynamics	3
ENGR-2320	Mechanics of Materials	3
MATH-3100	Differential Equations	3
Aesthetic Experience		3
Basic Science Elective		4
Hours		16
Junior Year		
First Semester		
CIVL-3120	Soil Mechanics	3
CIVL-3510	Structural Mechanics	3
ENGR-3150	Statistical Analysis of Data	3
ENGR-3300	Fluid Mechanics	3
THEO-2000	Christian Moral Life	3
Hours		15

Second Semester		
CIVL-3010	Soil Mechanics & Civil Eng Materials Lab	2
CIVL-3230	Hydraulic Engineering	3
CIVL-3310	Environmental Engineering	3
CIVL Technical Elective I		3
EXSC Activity Course		1
PHIL-3250	Ethics	3
Hours		15

Senior Year		
First Semester		
CIVL-3020	Environmental & Hydraulic Engineeri Lab	2
CIVL Technical Elective II		3
CIVL Technical Elective III		3
ENGR-3170	Engineering Economy & Society	3
Faith		3
Foreign Language		4
Hours		18

Second Semester		
CIVL-4600	Civil Engineering Design	3
CIVL Technical Elective IV		3
CIVL Technical Elective V		3
Foreign Language		4
Historical Inquiry		3
Hours		16

Ninth Semester		
CIVL-4700	Civil Engineering Seminar	1
CIVL Technical Elective VI		3
CIVL-COMP	Senior Comprehensive Exam	0
Engineering Elective		3
Philosophical Inquiry		3
Historical Inquiry		3
Aesthetic Experience		3
Hours		16
Total Hours		145