

Civil Engineering, BSCVE

Southern Polytechnic College of Engineering and Engineering Technology

Year 1 - Fall (15 credits)	Credits	Year 1 - Spring (18 credits)	Credits
ENGL 1101: English Composition I [A1]	3	ENGL 1102: English Composition II [A1]	3
MATH 1190: Calculus I [A2]	4	MATH 2202: Calculus II [D1]	4
CE 1000: Orientation to Engineering & Surv. Professions	1	General Education – Cultural Perspectives [B2]	3
CHEM 1121 + Lab: General Chemistry I [F]	4	CHEM 1212 + Lab: General Chemistry II [F]	4
EDG 2160: Civil Graphics	3	PHYS 2211 + Lab: Principles of Physics I [D2]	4
Total	15	Total	18
Year 2 - Fall (17 credits)	Credits	Year 2 - Spring (16 credits)	Credits
PHYS 2212 + Lab: Principles of Physics II [D2]	4	ECON 1000: Contemporary Economic Issues [B1]	2
SURV 2221 + Lab: Surveying I [F]	4	ENGR 3131: Strength of Materials†	3
MATH 2306: Ordinary Differential Equations	3	ENGR 3132: Strength of Materials Lab	1
ENVS 2202 or BIOL 1107	3	ENGR 3324: Project Cost AnalysisΔ	3
ENGR 2214: Engineering Mechanics- Statics [F]†	3	ENGR 3343: Fluid MechanicsΔ †	3
		ENGR 3345: Fluid Mechanics Lab	1
Total	17	CE 2003: Engineering Problem Solving	3
<i>∅Apply for engineering standing at end of term</i>		Total	16
Year 3 - Fall (17 credits)	Credits	Year 3 - Spring (16 credits)	Credits
General Education – World History [E3]	3	General Education – US History [E2]	3
POLS 1101: American Government [E1]	3	General Education – Arts and Cultures of the World [C2]	3
CE 3201: Structural AnalysisΔ	3	CE 3501: Materials for Civil & Construction EngrΔ	3
CE 3701: Geotechnical Engineering	3	CE 3502: Materials for Civil & Construction Engr Lab	1
CE 3708: Geotechnical Engineering Lab	1	CE 4703: Engineering HydrologyΔ	3
CE 3702: Intro to Environmental EngineeringΔ	3	ENGR 3305: Data Collection & AnalysisΔ	3
CE 3704: Intro to Environmental Engineering Lab	1		
Total	17	Total	16
Year 4 - Fall (16 credits)	Credits	Year 4 - Spring (15 credits)	Credits
CE 3202: Design of Concrete Structure	3	General Education – Social Sciences [E4]	3
CE 4177: Transportation EngineeringΔ	3	General Education – Literature of the World [C1]	3
CE 4179: Transportation Engineering Lab	1	CE 4800: Senior Project	3
SURV 4470: Land and Development	3	CE Elective [Group 1, 2, 3, or 4] (1 of 2)	3
CE Elective [Group 1, 2, or 3] (1 of 2)	3	CE Elective [Group 1, 2, 3, or 4] (2 of 2)	3
CE Elective [Group 1, 2, or 3] (2 of 2)	3		
Total	16	Total	15

Program Total: 130 Credit Hours

***Recommended General Education Course †Milestone ΔRequired Elective**

This academic map is a suggested four-year schedule of courses based on degree requirements in the undergraduate catalog. This sample schedule serves as a general guideline to help build a full schedule each term. Missing milestones could delay your program. Also see the current undergraduate catalog for a complete list of requirements, electives, and pre-requisites. This map is not a substitute for academic advisement. Note: Requirements are continually under revision, and there is no guarantee they will not be changed or revoked; contact the department and/or program area for current information.