

Computer Engineering, B.S.

Southern Polytechnic College of Engineering and Engineering Technology

Year 1 - Fall (16 credits)	Credits	Year 1 - Spring (15 credits)	Credits
ENGL 1101: English Composition I [A1]	3	ENGL 1102: English Composition II [A1]	3
MATH 1190: Calculus [A2]	4	MATH 2202: Calculus II [D1]	4
General Education – Cultural Perspectives [B2]	3	PHYS 2211 + Lab: Principles of Physics I [D2]	4
CHEM 1211 + Lab: General Chemistry I [D2]	4	CSE 1321 + Lab: Programming & Problem Solving I	4
CPE 1000: Computer Engineering Fundamentals [F]	2		
Total	16	Total	15
Year 2 - Fall (17 credits)	Credits	Year 2 - Spring (16 credits)	Credits
General Education – Arts and Cultures of the World [C2]	3	ECON 1000: Contemporary Economic Issues [B1]	2
General Education – Social Sciences [E4]	3	General Education – Literature of the World [C1]	3
PHYS 2212+ Lab: Principle of Physics II [F]	4	MATH 2332: Probability & Data Analysis [F]	3
MATH 2306: Ordinary Differential Equations [F]	3	EE 2501: Digital Logic Design †	4
EE 2301: Circuit Analysis I †	4	EE 3401: Engineering Electronics	4
Total	17	Total	16
Year 3 - Fall (17 credits)	Credits	Year 3 - Spring (16 credits)	Credits
POLS 1101: American Government [E1]	3	General Education – US History [E2]	3
MATH 2335: Numerical Methods for Engineers [F]	3	MATH 2345: Discrete Mathematics	3
ENGR 3325: Engineering Economic Analysis Δ	3	CPE 4010: Sensors, Actuators, & Integration Δ	4
CPE 3000: Computer Organization & Interfacing Δ †	4	CPE 4040: Data Collection & Analysis Δ	3
CPE 3030: Advance Embedded Design Δ †	4	3000 or 4000 level CPE, EE, MTRE, SWE, CS, or ME Elective (1 of 3)	3
Total	17	Total	16
Year 4 - Fall (16 credits)	Credits	Year 4 - Spring (14 credits)	Credits
General Education – World History [E3]	3	CPE 3040: Interfacing & Communications Δ	4
CPE 3020: VHDL Design with FPGAs Δ	4	CPE 4020: Device Networks Δ	4
CPE 4800: Senior Project Proposal Δ	2	CPE 4850: Senior Project Design Δ	3
EE 4201: Control Systems Δ	4	3000 or 4000 level CPE, EE, MTRE, SWE, CS, or ME Elective (3 of 3)	3
3000 or 4000 level CPE, EE, MTRE, SWE, CS, or ME Elective (2 of 3)	3		
Total	16	Total	14

Program Total: 127 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.