

Electrical Engineering, BSEE

Southern Polytechnic College of Engineering and Engineering Technology

Year 1 - Fall (16 credits)	Credits	Year 1 - Spring (17 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
CHEM 1211 + Lab: General Chemistry I [F]	4	PHYS 2211 + L: Principles of Physics I [D2]	4
General Education – Cultural Perspectives [B2]	3	CSE 1321+ Lab: Programing & Problem Solving I	4
EE 1000: Foundations of Electrical Engineering	2	ECON 1000: Contemporary Economic Issues [B1]	2
Total	16	Total	17
Year 2 - Fall (17 credits)	Credits	Year 2 - Spring (17 credits)	Credits
General Education – Arts and Cultures of the World [C2]	3	MATH 2203: Calculus III	4
PHSY 2212 + Lab: Principles of Physics II [D2]	4	MATH 2332: Probability & Data Analysis	3
General Education – World History [E3]	3	EE 2302: Circuit Analysis II	3
MATH 2306: Ordinary Differential Equations	3	EE 2401: Semiconductor Devices	3
EE 2301: Circuit Analysis I [F] †	4	EE 2501: Digital Logic Design	4
Total	17	Total	17
Year 3 - Fall (14 credits)	Credits	Year 3 - Spring (17 credits)	Credits
General Education – Literature of the World [C1]	3	POLS 1101: American Government [E1]	3
ENGR 2214: Engineering Mechanics- Statics [F]	3	EE 3401: Engineering Electronics	4
ENGR 4402: Engineering Ethics Δ	1	EE 3601: Electric Machines Δ	4
EE 3501: Embedded Systems Δ	4	EE 3605: Electromagnetism Δ	3
EE 3701: Signals & Systems Δ	3	EE 3702: Communication Systems Δ	3
Total	14	Total	17
Year 4 - Fall (16 credits)	Credits	Year 4 - Spring (16 credits)	Credits
General Education – US History [E2]	3	General Education – Social Sciences [E4]	3
EE 4201: Control Systems Δ	4	EE 4800: Senior Project Δ	4
EE 4701: Professional Practice Δ	3	Upper-Division MATH elective	3
Engineering Science elective	3	Upper-Division EE Elective (2 of 3)	3
Upper- Division EE Elective (1 of 3)	3	Upper-Division EE Elective (3 of 3)	3
Total	16	Total	16

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.