

Mechanical Engineering Technology, 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 1113: Pre-Calculus [A2]	3	MATH 1190: Calculus I [D1]	4
General Education – Cultural Perspectives [B2]	3	General Education – World History [E3]	3
MET 1000: MET Orientation	1	MET 1800: CNC Machining	2
MET 1311: Manufacturing Processes	3	EDG 1212: Engineering Graphics II	3
EDG 1211: Engineering Graphics I	3		
Total	16	Total	15
Year 2 - Fall (16 credits)	Credits	Year 2 - Spring (16 credits)	Credits
General Education – Science Process (STEM) [D2]	4	General Education – Science Process (STEM) [D2]	4
MATH 2202: Calculus II [F]	4	CHEM 1211 + Lab: General Chemistry I [F]	4
TCOM 2010: Technical Communication [F]	3	ECON 1000: Contemporary Economic Issues [B1]	2
MET 1400: Welding [F]	2	MET 2301: Metrology & Geometric Dimens. & Toler.	3
MET 2800: CNC Programming	3	MET 2124 or ENGR 2214	3
Total	16	Total	16
Year 3 - Fall (17 credits)	Credits	Year 3 - Spring (16 credits)	Credits
General Education – Literature of the World [C1]	3	General Education – Arts and Cultures of the World [C2]	3
MET 2501: Engineering Computation using MatLab	3	MATH 2332: Probability & Data Analysis [F]	3
MET 3401: Thermodynamics I	3	MET 3132+ Lab: Engineering Materials	4
ENGR 3131 or MET 3124	3	ENGR 3122 or MET 3126	3
ENGR 3132 or MET 3124L	1	Concentration Course (1 of 4)	3
ECET 3000: Electrical Principles	4		
Total	17	Total	16
Year 4 - Fall (16 credits)	Credits	Year 4 - Spring (15 credits)	Credits
POLS 1101: American Government [E1]	3	General Education – Social Sciences [E4]	3
General Education – U.S. History [E2]	3	MET 4502: Senior Design	2
MET 3101: Fluid Mechanics Principles & Applications	4	ECET 4530: Industrial Motor Control	3
MET 4501: Machine Design	3	Concentration Course (3 of 4)	3
Concentration Course (2 of 4)	3	Concentration Course (4 of 4)	3
Total	16	Total	15

Program Total: 128 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.