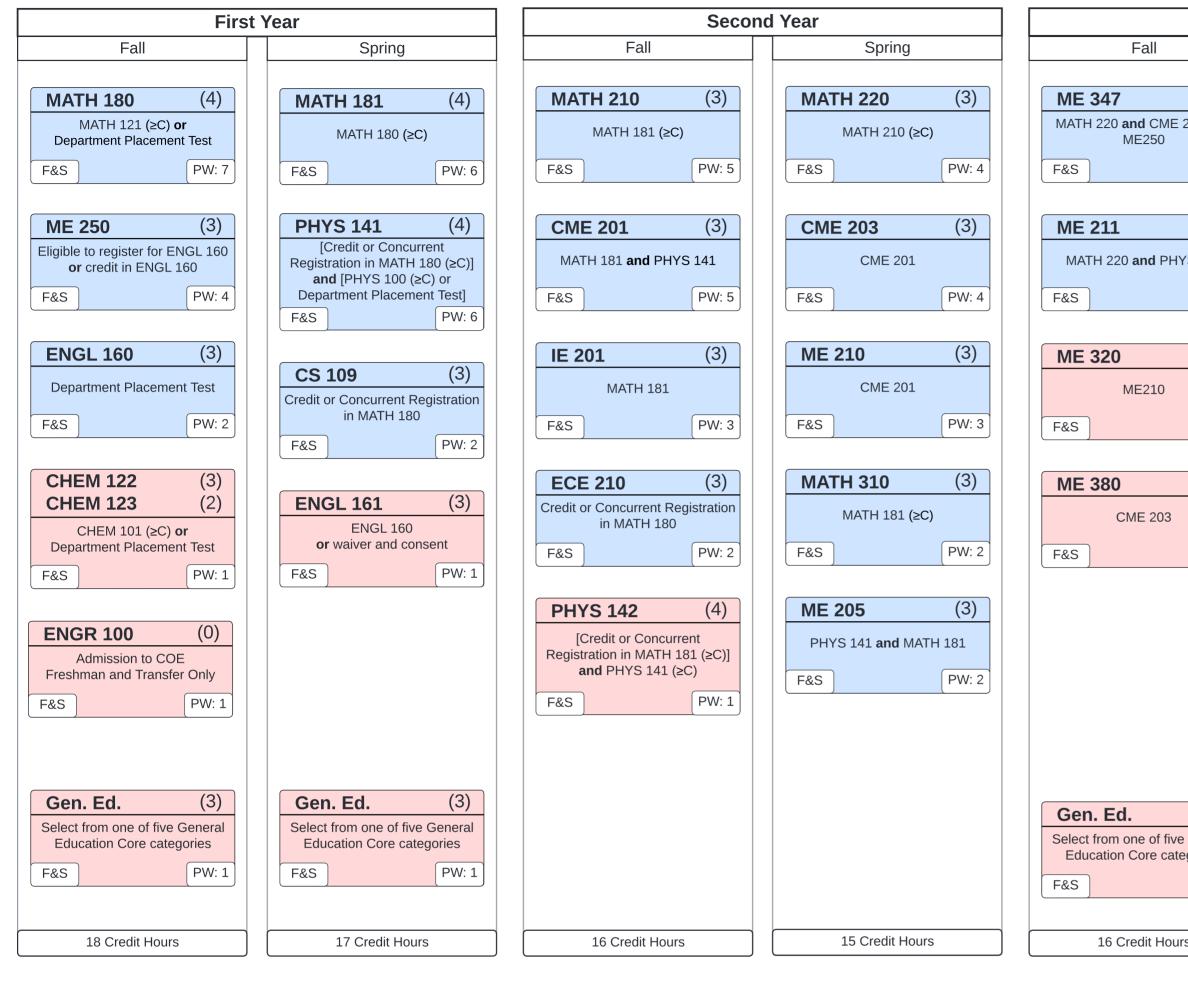
Mechanical Engineering

4-Year Study Plan (Fall 2024 and After)



Legend	
Course Code (Credits)Prerequisites or CorequisitesTerm OfferedPositionalWeightPositionalBllue Box: Part of prerequisite chainRed Box: Terminal classTerm Offered: Whether the class is offered in FallOnly, Spring Only, or Fall & Spring.Positional Weight (PW): The number of classesremaining in the prerequisite chain. The higher thenumber, the more important the class is to be takenthe proposed semester. PW-1 is the number ofsemesters remaining to a possible graduation.	Equivalent Courses: CHEM 122 & 123 = CHEM 112 (\geq C) = CHEM 116 (\geq C) MATH 180 = MATH 165 = MATH 170 ME 328 = ME 428 MATH 310 = MATH 320 (With petition) ECE 210 = ECE 225 (With petition) CS 109 = CS 111 = MCS 260 (With petition)Required General Education Core Categories: Understanding the Individual and Society Understanding the Past Understanding the Creative Arts Understanding U.S. Society Exploring World CulturesOne general education course from each category must be completed with a satisfactory grade.

PW:2 F&S PW:1 F&S PW:1 (3) ME 328 (3) F&S PW:1 (3) CS 109 and MATH 310 F&S PW:1 F&S PW:1 F&S PW:1 (3) ME 321 (4) ME 205 and (Credit or Concurrent Registration in F&S Free Elective (3) PW:1 F&S PW:1 Free Elective (3) Select from any 400-level ME course or ME 308, ME 325, ME 392, ECE 458, CME 434 F&S PW:1 F&S PW:1 FeS PW:1 FeS FW:1 (3) Select from any 400-level ME course or ME 308, ME 325, ME 392, ECE 458, CME 434 F&S PW:1 F&S PW:1 FeS PW:1 FeS PW:1 (3) Select from any 400-level ME course or ME 308, ME 325, ME 392, ECE 458, CME 434 F&S PW:1 F&S PW:1 F&S PW:1 F&S PW:1 (4) Select from any 400-level ME course or ME 308, ME 325, ME 392, ECE 458, CME 434 F&S PW:1 Select from any 400-level ME course or ME 308, ME 325, ME 392, ECE 458, CME 434 F&S PW:1 (5) S				
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	irs	16 Credit Hours	15 Credit Hours	15 Credit Hours

Additional Information

 Free Elective - Outside the Major Rubric: The free elective is an <u>elective outside of the Major</u> <u>Rubric</u> (required classes). Students may use this to expand their knowledge in a subject matter. Many classes not required by the ME degree may satisfy this requirement, provided: 1) The class must be credit granting and 100+ level 	<u>Technical Electives:</u> Technical Electives may be <u>any 400-level ME class</u> , that is of interest to the student, except ME 496, ME 497, and ME 499. Note: Most 400-level classes are only offered once or less per year.
2) The class must be higher level than a previously taken course (if one was taken)	Additional Technical Electives include: ME 308 - Mechanical Vibrations ME 325 - Intermediate Thermodynamics
Examples of Free Electives may be: - An additional Gen. Ed. of interest to the student - An additional ME technical elective of interest to the student	ME 348 - Artificial Intelligence and Data Mining ECE 458 - Electromechanical Energy Conversion CME 434 - Finite Element Analysis I
Note: A Modification of Major form may be needed to approve some Free Electives.	ME 392 - Undergraduate Research Requires: 1) faculty approval, 2) a research proposal, and 3) approval of Director of Undergraduate Studies.