College of Engineering, Informatics, and Applied Sciences

Mechanical Engineering Bachelor of Science

2022-2023 Undergraduate Catalog

Progression Plan-Classic

Sample Progression Plans are for planning purposes only; see the catalog for official details.

Year 1 - Fall	
MAT 136 Calculus I	4
EGR 186 Introduction To Engineering Design	3
ME 180 Computer-Aided Design	3
CHM 151 General Chemistry I	4
CHM 151L General Chemistry I Lab	1

Year 1 - Spring	
MAT 137 Calculus II	4
PHY 161 University Physics I	4
CS 122 Programming For Engineering And Science	2
CS 122L Programming For Engineering And Science Lab	1
Foundation English	4

Year 2 - Fall	
MAT 238 Calculus III	4
ME 286 Engineering Design: The Process	3
CENE 251 Applied Mechanics Statics	3
ME 240 Materials Science	3
PHY 262 University Physics II	3

Year 2 - Spring	
ME 252 Applied Mechanics Dynamics	3
CENE 253 Mechanics Of Materials	3
CENE 253L Mechanics Of Materials Lab	1
ME 291 Thermodynamics I	3
MAT 239 Differential Equations	3
Liberal Studies and/or Diversity	3

Year 3 - Fall	
ME 395 Fluid Mechanics I	3
ME 365 Machine Design I	3
CENE 225 Engineering Analysis	3
EE 188 Electrical Engineering I	3
EE 188L Electrical Engineering I Lab	1
Liberal Studies and/or Diversity	3

Year 3 - Spring	
ME 386W Engineering Design: The Methods	3
ME 440 or ME 465	3
ME 392 Thermodynamics II	3
MAT 362 Introduction To Numerical Analysis	3
Liberal Studies and/or Diversity	3

Year 4 - Fall	
ME 476C Mechanical Engineering Design I	2
ME 450 Heat Transfer	3
ME 495 Experimental Methods In The Thermal Sciences	3
ME Depth elective	3
ME Breadth elective	3
Liberal Studies and/or Diversity	3

Year 4 - Spring	
ME 486C Mechanical Engineering Design II	3
ME Depth elective	3
ME Breadth elective	3
Liberal Studies and/or Diversity	3
Liberal Studies and/or Diversity	3