

B.S. IN MECHANICAL ENGINEERING

Code	Title	Credits
Major in Mechanical Engineering (B.S.)		
CHE 113 & CHE 113D	General Chemistry I and General Chemistry I Lab	4
COS 205	Scientific Computing	3
ENR 160	Introduction to Engineering	3
ENR 260	Careers in Engineering and Physics Seminar	1
ENR 265	Computer Aided Design and Engineering	3
ENR 304 & ENR 305	Engineering Materials and Manufacturing and Engineering Materials and Manufacturing Lab	4
ENR 308	Statics and Mechanics of Materials	4
ENR 318	Engineering Thermal Science	3
ENR 320	Mathematical Methods in Physics and Engineering	4
ENR/PHY 340	Mechanics	4
ENR 348	Heat Transfer	3
ENR 352 & ENR 353	Computer Methods in Physics and Engineering and Computer Methods in Physics and Engineering Lab	4
ENR 356	Applied Strength of Materials	3
ENR 358	Design of Mechanical Components	4
ENR 402	Mechanical Measurements Lab	3
ENR 422 & ENR 423	Fluid Mechanics and Fluid Mechanics Lab	4
ENR 446 & ENR 447	Control Systems and Control Systems Lab	4
ENR 465	Engineering Design Seminar	1
ENR 490	Engineering Design Project	3
MAT 124M	Calculus 1 ¹	4
MAT 125	Calculus 2	4
MAT 223	Multivariable Calculus	3
MAT 224	Differential Equations with Linear Algebra	4
PHY 292 & PHY 292D	General Physics I and General Physics I Lab	4
PHY 296 & PHY 297	General Physics II and General Physics II Lab	4
PHY 302 & PHY 303	Electronics and Electronics Lab	4
PHY 312 & PHY 313	Modern Physics and Modern Physics Lab	4
Code	Title	Credits
Major		93
General Education		40-41
Total Credits		133-134

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¹ Students may test into this course via successful completion of the Math and Computer Science department placement exam or by completing MAT 123M and the Math and Computer Science department placement exam requirements.

Courses whose number is followed by a letter fulfill a General Education requirement.
Students may not declare a B.S. in Mechanical Engineering and a Minor in Engineering.