B.S. IN MECHANICAL ENGINEERING

Code	Title	Credits
Major in Mechanical Engineering (B.S.)		
CHE 113 & CHE 113D	General Chemistry and General Chemistry Lab	4
COS 101	Introduction to Procedural Programming	2
ENR 160	Introduction to Engineering	2
ENR 260	Careers in Engineering and Physics Seminar	1
ENR 265	Computer Aided Design and Engineering	2
ENR 304	Engineering Materials and Manufacturing	3
ENR 308	Statics and Mechanics of Materials	4
ENR 318	Engineering Thermal Science	3
ENR 321	Statistical Methods in Engineering	2
ENR 322	Mathematical Methods in Physics and Engineering	2
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 & ENR 357	Applied Strength of Materials and Applied Strength of Materials Laboratory	4
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	4
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		91
General Education *		40-48
Total Credits		**131-139**

[1] Placement at MAT 124M on the Math and Computer Science department placement exam; MAT 121M, concurrent enrollment in MAT 122, or equivalent high school or college course(s) is a prerequisite for this course.

* 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.