

Mechanical Engineering Major (AA)

Course Number/Name	GECs	Cr.	Semester	Grade
First Year				
First Semester				
ENGL 101 Composition and Rhetoric	1	3		
ENGR 101 Engineering Problem Solving 1*		2		
MATH 155 Calculus 1	2A	4		
GEC Elective**	3,4,5,6,7,8,or 9	3		
GEC Elective**	3,4,5,6,7,8,or 9	3		
ENGR 199 Orientation to Engineering (eq. WVUe 191)		1		
Second Semester				
ENGL 102 Composition and Rhetoric	1	3		
ENGR 102 Engineering Problem-Solving 2	2C	3		
MATH 156 Calculus 2	2A	4		
CHEM 115 Fundamentals of Chemistry	2B	4		
GEC Elective**	3,4,5,6,7,8,or 9	3		
Second Year				
First Semester				
MATH 251 Multivariable Calculus		4		
PHYS 111 General Physics	2C	4		
MAE 241 Statics		3		
EE 221 Introduction to Electrical Engineering		3		
EE 222 Introduction to Electrical Engineering Laboratory		1		
GEC Elective**	3,4,5,6,7,8,or 9	3		
Second Semester				
MATH 261 Elementary Differential Equations		4		
PHYS 112 General Physics	2B	4		
MAE 242 Dynamics		3		
MAE 243 Mechanics of Materials		3		
MAE 320 Thermodynamics		3		

Total Hours
68

* Concurrent enrollment in MATH 155 is required.

** The student must complete all nine GEC requirements before earning a baccalaureate degree. These electives must be taken in different areas in order to make progress towards that goal.