

## Mechanical Engineering Major (AS) – FA24

Course Number/Name	Course	GEF	Cr.	Semester	Grade
<b>First Year</b>					
<b>First Semester</b>			<b>15</b>		
ENGL 101 Introduction to Composition and Rhetoric		1	3		
ENGR 101 Engineering Problem Solving 1*			2		
CHEM 115 Fundamentals of Chemistry 1		2B	3		
CHEM 115L Fundamentals of Chemistry 1 Laboratory		2B	1		
MATH 155 Calculus 1		3	4		
Elective			1		
ENGR 191 First-Year Seminar			1		
<b>Second Semester</b>			<b>14</b>		
ENGL 102 Composition, Rhetoric, and Research		1	3		
ENGR 102 Engineering Problem-Solving 2			3		
MATH 156 Calculus 2		8	4		
PHYS 111/111L General Physics 1 & Laboratory		8	4		
<b>Second Year</b>					
<b>First Semester</b>			<b>15</b>		
EE 221 Introduction to Electrical Engineering			3		
EE 221L Introduction to Electrical Engineering Laboratory			1		
MAE 241 Statics			3		
MATH 251 Multivariable Calculus			4		
PHYS 112/112L General Physics 2 & Laboratory		8	4		
<b>Second Semester</b>			<b>16</b>		
ECON 201 Principles of Microeconomics		4	3		
MAE 242 Dynamics			3		
MAE 243 Mechanics of Materials			3		
MATH 261 Elementary Differential Equations			4		
GEF Elective		5,6, or 7	3		
<b>Total Credits Required</b>			<b>60</b>		

\* Concurrent enrollment in or credit for MATH 155 is required.