

Mechanical Engineering Major (AS) – FA23

Course Number/Name	Course	GEF	Cr.	Semester	Grade
First Year					
First Semester					
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		
Second Semester					
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		
Second Year					
First Semester					
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		
Second Semester					
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		
Total Credits Required			60		

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