

## Engineering Major (AS) – FA25

Course Number/Name	Course	GEF	Cr.	Semester	Grade
<b>First Year</b>					
<b>First Semester</b>			<b>14</b>		
ENGR 101 Engineering Problem Solving 1			2		
ENGL 101 Introduction to Composition and Rhetoric		1	3		
MATH 155 Calculus 1		3	4		
CHEM 115 Fundamentals of Chemistry		2B	3		
CHEM 115L Fundamentals of Chemistry Lab		2B	1		
ENGR 191 First-Year Seminar			1		
<b>Second Semester</b>			<b>17</b>		
ENGR 102 Engineering Problem Solving 2			3		
ENGL 102 Composition, Rhetoric, and Research		1	3		
MATH 156 Calculus 2		8	4		
PHYS 111 General Physics		8	4		
PHYS 111L General Physics Lab			0		
ECON 201 Principles of Microeconomics		4	3		
<b>Second Year</b>					
<b>First Semester</b>			<b>16</b>		
MATH 251 Multivariable Calculus			4		
Science Elective*		8	4		
Technical Electives**			3		
Technical Electives**			4		
Elective			1		
<b>Second Semester</b>			<b>13</b>		
MATH 261 Elementary Differential Equations			4		
Technical Electives**			3		
Technical Electives**			3		
GEF Elective		5,6, or 7	3		

**Total Credits Required**

**60**

\* Science Electives are BIOL 115/115L, CHEM 116/116L, PHYS 112/112L, and GEOL 101/101L.

\*\* Technical Electives are MAE 241, 242, 243, EE 222/222L, EE 223/223L, and CPE 271. Any 200 level or above MAE, CE, CS, CPE, EE, PNGE, IENG, or AE will count as a technical elective.