

## Industrial Engineering Major (AS) – FA23

Course Number/Name	Course	GEF	Cr.	Semester	Grade
<b>First Year, Fall Semester</b>			<b>14</b>		
ENGL 101 Introduction to Composition and Rhetoric		1	3		
CHEM 115 Fundamentals of Chemistry 1		2B	3		
CHEM 115L Fundamentals of Chemistry 1 Laboratory		2B	1		
ENGR 101 Engineering Problem Solving 1*			2		
MATH 155 Calculus 1		3	4		
ENGR 191 First-Year Seminar			1		
<b>First Year, Spring Semester</b>			<b>15</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		
Elective**			1		
<b>Second Year, Fall 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 Year, Spring 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 in MATH 155 is required.

\*\* Students transferring to Morgantown who are on track with math and engineering courses should transfer after one year to also take IENG 213, and IENG 377 in order to make progress toward that baccalaureate degree.