

## Industrial Engineering Major (AA) – FA20

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		
ENGR 101 Engineering Problem Solving 1*			2		
MATH 155 Calculus 1		3	4		
CHEM 115 Fundamentals of Chemistry 1		2B	3		
CHEM 115L Fundamentals of Chemistry 1 - Laboratory		2B	1		
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 General Physics		8	4		
Elective**			1		
<b>Second Year, Fall Semester</b>			<b>15</b>		
MATH 251 Multivariable Calculus			4		
PHYS 112 General Physics		8	4		
MAE 241 Statics			3		
EE 221 Introduction to Electrical Engineering			3		
EE 222 Introduction to Electrical Engineering Laboratory			1		
<b>Second Year, Spring Semester</b>			<b>16</b>		
MATH 261 Elementary Differential Equations			4		
MAE 242 Dynamics			3		
MAE 243 Mechanics of Materials			3		
GEF Elective		5,6,or 7	3		
ECON 201 Principles of Economics		4	3		
<b>Total Credits Required</b>			<b>60**</b>		

\* Concurrent enrollment in MATH 155 is required.

\*\* Students who transfer to the Industrial Engineering program at West Virginia University-Morgantown should also take GEF elective 5, 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.