

Biometric Systems Engineering Major (AS) – FA24

Course Number/Name	Course	GEF	Cr.	Semester	Grade
First Year, Fall Semester			15		
BIOL 115 Principles of Biology		8	3		
BIOL 115L Principles of Biology Laboratory			1		
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		
First Year, Spring Semester			16		
ENGL 101 Introduction to Composition and Rhetoric		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**			2		
Second Year, Fall Semester			15		
CPE 271 introduction to Digital Logic Design			3		
EE 221 Introduction to Electrical Engineering			3		
EE 221L Introduction to Electrical Engineering Laboratory			1		
MATH 251 Multivariable Calculus			4		
PHYS 112/112L General Physics 2 & Laboratory			4		
Second Year, Spring Semester			14		
EE 223 Electrical Circuits			3		
EE 223L Electrical Circuits Laboratory			1		
ENGL 102 Composition, Rhetoric, and Research		1	3		
MATH 261 Elementary Differential Equations			4		
GEF Elective**		5	3		
Total Credits Required			60**		

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

** Students who transfer to the Biometric Systems Engineering program at West Virginia University-Morgantown should also take ECON 201 (GEF 4), and will need CS 110, CS 111, and STAT 215 to make progress towards that baccalaureate degree.