

## Electrical Engineering Major (AA)

Course Number/Name	GECs	Cr.	Semester	Grade
<b>First Year</b>				
<b>First Semester</b>				
ENGL 101 Composition and Rhetoric	1	3		
ENGR 101 Engineering Problem Solving 1*		2		
MATH 155 Calculus 1	2A	4		
ECON 201 Principles of Microeconomics	4	3		
GEC Elective**	3,5,6,7,or 9	3		
ENGR 199 Orientation to Engineering (eq. WVUe 191)		1		
<b>Second Semester</b>				
ENGL 102 Composition and Rhetoric	1	3		
ENGR 102 Engineering Problem-Solving 2		3		
MATH 156 Calculus 2	2A	4		
CHEM 115 Fundamentals of Chemistry	2B	4		
ECON 202 Principles of Macroeconomics	8	3		
<b>Second Year</b>				
<b>First Semester</b>				
MATH 251 Multivariable Calculus		4		
PHYS 111 General Physics	2C	4		
MAE 241 Statics		3		
EE 221 Introduction to Electrical Engineering		3		
EE 222 Introduction to Electrical Engineering Laboratory		1		
CPE 271 Introduction to Digital Logic Design		3		
<b>Second Semester</b>				
MATH 261 Elementary Differential Equations		4		
PHYS 112 General Physics	2B	4		
EE 223 Electrical Circuits		3		
EE 224 Electrical Circuits Laboratory		1		
GEC Elective**	3,5,6,7,or 9	3		
Math/Science Elective (CHEM 116 recommended)		4		
<b>Total Hours</b>		<b>70</b>		

\* Concurrent enrollment in MATH 155 is required.

\*\* The student must complete all nine GEC requirements before earning a baccalaureate degree. These electives must be taken in different areas in order to make progress towards that goal.