

EIGHT SEMESTER PLAN ELECTRICAL ENGINEERING

Semester 1		Credits	Semester 2		Credits
SRH 101: Search Seminar or HNR 160: Honors Search	3		PHY 200/L: Physics I with Lab	4	
CHE 104: General Chemistry	3		MAT 231: Calculus II	4	
CHE 110L: General Chemistry I Lab	1		EGR 110: Engineering Design I	1	
EGR 107: Engineering Lab Safety	1		THR 244: Computer-Assisted Design	3	
EGR 260: Undergraduate Engineering Colloquium	0.25		COM 101: Composition & Research	3	
MAT 230: Calculus I	4		THE 105 or PHI 105	<u>3</u>	
CS 115: Intro to Object-Oriented Prog.	<u>3</u>				
TOTAL	15.25		TOTAL	18	
Semester 3		Credits	Semester 4		Credits
EE 200: Circuit Theory I	3		EE 201: Circuit Theory II	3	
EE 271L: Circuit Theory I Lab	1		EE 311: Electromagnetics I	3	
PHY 201/L: Physics II with Lab	4		EGR 210: Engineering Design II	1	
EGR 201: Engineering Statics	3		EGR 260: Undergraduate Engineering Colloquium	0.25	
THE 105 or PHI 105	3		MAT 322: Differential Equations	3	
MAT 232: Calculus III	<u>4</u>		Gen Ed SEARCH	3	
			Gen Ed SEARCH	<u>3</u>	
TOTAL	18		TOTAL	16.25	
Semester 5		Credits	Semester 6		Credits
Gen Ed SEARCH	3		EE 310: Digital Design	3	
EE 300: Electronics I	3		EE 372L: Digital Design Lab	0.5	
EE 312: Electromagnetics II	3		EE 331: Electromechanical Energy Conversion	3	
EE 371L: Electronics I Lab	1		EGR 260: Undergraduate Engineering Colloquium	0.25	
PHY 304/L: Modern Physics w/Lab	4		EGR 306: Measurement and Dynamic Response	3	
MAT 345: Applied Probability & Linear Methods	<u>4</u>		EGR 371L: Measurement and Dynamic Response Lab	0.5	
			EGR 310: Engineering Design III	3	
			EE 301: Electronics II	<u>3</u>	
TOTAL	18		TOTAL	16.25	
Semester 7		Credits	Semester 8		Credits
EE 4xx: EE Elective	3		EE 4xx: EE Elective	3	
EE 47xL: EE Elective Lab	0.5		XE 4xx: Engineering Elective	3	
XE 4xx: Engineering Elective	3		EGR: 481: Capstone Design II	2	
EGR 260: Undergraduate Engineering Colloquium	0.25		PHI 208: Ethics and Technology	3	
EGR 480: Capstone Design I	2		Gen Ed SEARCH	3	
Gen Ed SEARCH	3		Gen Ed SEARCH	<u>3</u>	
Gen Ed SEARCH	<u>3</u>				
TOTAL	14.75		TOTAL	17	
ADDITIONAL GRADUATION REQUIREMENTS		RESIDENCY REQUIREMENTS		GRADUATION CREDITS EARNED	
___ SRH 101/HNR 160: FIRST YEAR SEMINAR	___ Minimum of 123 non-remedial credits earned	Liberal Arts Core credits earned			
___ HUMAN DIVERSITY	___ 45 of last 60 credits	Major and Related Area credits earned			
___ COMMUNITY SERVICE HOURS	___ Minimum of 12 Alvernia credits in the major	Elective and/or Minor credits earned			
___ OVERALL GPA = 2.0 or higher	___ Minimum of 9 Alvernia credits in the minor (if applicable)	SUBTOTAL			
___ GPA IN MAJOR = 2.0 or higher		SUBTRACT CREDITS EARNED FOR MAT 100, and if applicable COM 100			
___ 2.5 in Writing Courses		TOTAL GRADUATION CREDITS			
___ SENIOR CAPSTONE: met with EGR 480/481					
___ WRITING ENHANCED COURSE					