

EIGHT SEMESTER PLAN INDUSTRIAL 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	IE 201: Work Systems and Operations	3		
EE 271L: Circuit Theory I Lab	1	IE 211: Modern Manufacturing	3		
PHY 201/L: Physics II with Lab	4	IE 272L: Modern Manufacturing Lab	0.5		
EGR 201: Engineering Statics	3	EGR 210: Engineering Design II	1		
THE 105 or PHI 105	3	EGR 260: Undergraduate Engineering Colloquium	0.25		
MAT 232: Calculus III	<u>4</u>	MAT 322: Differential Equations	3		
		ME 201: Strength of Materials	3		
		ME 271L: Strength of Materials Lab	<u>0.5</u>		
TOTAL	18	TOTAL	14.25		
Semester 5	Credits	Semester 6	Credits		
Gen Ed SEARCH	3	IE 310: Stochastic Modeling	3		
IE 302: Production and Inventory Control	3	IE 321: Industrial Automation	3		
IE 312: Production Engineering	3	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		
		PHI 208: Ethics and Technology	<u>3</u>		
TOTAL	17	TOTAL	15.75		
Semester 7	Credits	Semester 8	Credits		
IE 4xx: IE Elective	3	IE 4xx: IE Elective	3		
IE 47xL: IE 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	Gen Ed SEARCH	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					