FRESHMAN – Fall Semester

CT 113 Critical Survey of Worldviews

EGR 121 Introduction to Engineering

CHEM 131 General Chemistry I

MATH elective**

TOTAL HOURS

COL 101 Foundations for Student Success+

ENG 109 College Writing I OR ENG 111 Freshman English*

Engineering (B.S.E.)

Environmental option

Hours

1

3

3

3

4

2

16

FRESHMAN – Spring Semester	Hours	
CSCI 116 Programming I	3	
HIS general survey course (100/200 level)	3	
PHYS 245/245L College Physics I w/Lab	3/1	
MATH 221 Calculus II	4	
EGR 124 Introduction to Design	3	
(ENG 110 College Writing II)*		
TOTAL HOURS	17	

2023-2024 Catalog

3	•	CHEM 132 General Chemistry II EGR 222 Circuits and Instrumentation	4
3		ECP 222 Circuits and Instrumentation	
		LON ZZZ OIIGUIG and manumentation	3
4		EGR 224 Dynamics	3
4		EGR 226 Mechanics of Materials	4
3/1		MATH 211 Elementary Statistics	3
1	ĺ		
17		TOTAL HOURS	17
	1	1	4 EGR 226 Mechanics of Materials 3/1 MATH 211 Elementary Statistics 1

JUNIOR – Fall Semester		JUNIOR – Spring Semester
BIB 222 Old Testament Literature & Interpretation	3	BIB 224 New Testament Literature & Interpretation 3
EGR 321 Design of Experiments	3	CT 105 CLF: Engineering Service 1
EGR 323 Thermodynamics	4	Choose <i>ONE</i> of the following: ENG 100/200, FA 211, FLM 210, MUS 100/200, or THT 100/200 (excludes ENG 245, lessons, ensembles, practicums)
EGR 331 Data Visualization	3	EGR 322 Fluid Mechanics 4
MATH 326 Differential Equations	4	EGR 422 Heat Transfer 3
		Environmental Elective*** 3
TOTAL HOURS	16	TOTAL HOURS 17

SENIOR – Fall Semester		SENIOR – Spring Semester		
Choose <i>ONE</i> of the following: PSY 111, 228, 330, 334	3	CT 210 CLF: Biblical Environmentalism	1	
COMM 111 Intro to Communication	3	PHIL 424 Engineering Ethics	3	
EGR 225 Engineering Economics	2	BIO 328 Advanced Microbiology (has prereq)	4	
EGR 491 Capstone Senior Design I	2	EGR 492 Capstone Senior Design II	4	
Environmental Elective***	4	EGCI 424 Environmental Engineering	3	
Engineering Electives (300/400 level)-EGR, EGCI, EGME	3			
TOTAL HOURS	17	TOTAL HOURS	15	

⁺ COL 101 is required of first time freshmen who have no standardized test scores or those who score less than 18 on the ACT Composite, less than 960 on the SAT or less than 61 on the CLT.

This document is to be used for planning purposes only. Please refer to the academic catalog for complete information. Course planning should be completed in consultation with your academic adviser. Not all courses are offered every semester or every year. Minimum total hours for a bachelors degree is 120.

^{*}Students are required to take either ENG 109/110 College Writing I and II (6 credits) OR ENG 111 Freshman English (3 credits). Placement in ENG 111 requires an ACT <u>English</u> score of at least 21 <u>OR</u> an SAT Evidence-Based Reading & Writing score of at least 530 <u>OR</u> CLT score of at least 68. Students who are placed in the ENG 109-110 sequence will need to take ENG 110 in the spring semester of the freshman year.

^{**} Choice of MATH elective should prepare student to enroll in MATH 221 Calculus II which is required in the major. Students taking Math 117 Precalculus will start the calculus sequence with Math 122 Calculus I in the second semester.

^{***} Environmental electives- chosen from CHEM 241, 242, EGCI 321, EGCI 426, EGCI 428