

FRESHMAN – Fall Semester		Hours	FRESHMAN – Spring Semester		Hours
ENG 109 College Writing I <u>OR</u> ENG 111 Freshman English*		3	MATH 221 Calculus II		4
CSCI 116 Programming I		3	EGR 124 Intro to Engineering Design-Art of Engineering		3
COLL 100 College Success		1	EGR 122 Engineering Service		1
MATH elective**		3	CT 113 Critical Survey of Worldviews		3
CHEM 131 General Chemistry I		4	PHYS 245 College Physics I		4
EGR 121 Introduction to Engineering the Great Commission		2	BIO 110 God's Revelation in Biology		4
CT CLF elective		1			
			(ENG 110 College Writing II)*		
TOTAL HOURS		17	TOTAL HOURS		19
SOPHOMORE – Fall Semester		Hours	SOPHOMORE – Spring Semester		Hours
PHYS 246 College Physics II		4	MATH 248 Differential Equations		4
MATH 222 Calculus III		4	EGR 222 Circuits and Instrumentation		3
EGR 223 Engineering Mechanics - Statics		3	EGR 224 Engineering Mechanics - Dynamics		3
EGR 221 Computational Methods		3	EGR 226 Mechanics of Materials		3
CT CLF elective		1	CT CLF elective		1
Concentration (Civil or Mech) class		3	Concentration (Civil or Mech) class		3
TOTAL HOURS		18	TOTAL HOURS		17
JUNIOR – Fall Semester		Hours	JUNIOR – Spring Semester		Hours
EGR 321 Design of Experiments		3	EGR 322 Fluid Mechanics		4
EGR 323 Engineering Thermodynamics		3	MATH 242 Statistics for Scientists & Engineers		3
BIB 222 Old Testament Literature & Interpretation		3	BIB 224 New Testament Literature & Interpretation		3
Concentration (Civil or Mech) class		3	EGR 422 Heat Transfer		3
Concentration (Civil or Mech) class		3	Concentration (Civil or Mech) class		3
TOTAL HOURS		15	TOTAL HOURS		16
SENIOR – Fall Semester		Hours	SENIOR – Spring Semester		Hours
EGR 225 Engineering Economics		3	EGR 424 Engineering Ethics		3
EGR 491 Capstone Senior Design I		3	EGR 492 Capstone Senior Design II		3
Concentration (Civil or Mech) class		3	Concentration (Civil or Mech) class		3
HIS general survey course (100/200 level)		3	Choose ONE of the following: SS 211, PSGS 315, PSY 111, 228, 334		3
COMM 111 Intro to Communication		3	Engineering Elective		3
Choose ONE of the following: ENG 211, FA 211, MUS 210, THT 111, or FLM 210		3			
TOTAL HOURS		18	TOTAL HOURS		15

*Depending on standardized test scores, students are required to take either ENG 109-110 College Writing I and II (6 credits) OR ENG 111 Freshman English (3 credits). 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.

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.