

Course
Prerequisites

FRESHMAN

Pre-Engineering Courses
GPA 2.0 or better required

MAC 2311 Calculus I _____(4) <input type="checkbox"/> MAC1114 or <input type="checkbox"/> MAC1147	EGN 1004L 1 st Year Eng. Lab _____(1)	
MAC 2312 Calculus II _____(4) <input type="checkbox"/> MAC 2311	PHY 2048 Gen Physics I _____(4) <input type="checkbox"/> MAC 2311	PHY 2048L Gen Physics I Lab _____(1) <input type="checkbox"/> PHY 2048 (co)
MAC 2313 Calculus III _____(5) <input type="checkbox"/> MAC 2312	PHY 2049 Gen Physics II _____(4) <input type="checkbox"/> MAC 2312 <input type="checkbox"/> PHY 2048	PHY 2049L Gen Physics II Lab _____(1) <input type="checkbox"/> PHY 2049 (co)

CHM 1045 Gen Chemistry I _____(3) <input type="checkbox"/> MAC 1105	CHM 1045L Gen Chem Lab I _____(1) <input type="checkbox"/> CHM 1045 (co)
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COP 3014C
Programming I
_____(4)
 College Algebra
or higher

Technical Elective Tracks:
(declare track area by Junior Fall)

<input type="checkbox"/> Dynamic Systems
<input type="checkbox"/> Thermal Fluids
<input type="checkbox"/> Mechanics & Materials
<input type="checkbox"/> Magnet Science & Technology
<input type="checkbox"/> Aeronautics

LIBERAL STUDIES

ENC 1101
Fresh Com Skills I
_____(3)
 AMH 2091,
 AFA 2000 or
 AFA 3104
_____(3)

ENC 1102
Fresh Com Skills II
_____(3)

Humanities CORE
_____(3)

Soc Sci CORE
AMH 2020 or
POS2041
_____(3)

SOPHOMORE

MUST EARN 'C' OR BETTER

EML 3002L ME Tools Lab (CC) _____(3) <input type="checkbox"/> MAC 2311 <input type="checkbox"/> PHY 2048	EML 3102 Eng Thermo _____(3) <input type="checkbox"/> MAC 2311 <input type="checkbox"/> PHY 2048	EML 3004 Eng Statics _____(3) <input type="checkbox"/> MAC 2312 <input type="checkbox"/> PHY 2048
EML 3234 Mat Sci & Eng _____(3) <input type="checkbox"/> CHM 1045 <input type="checkbox"/> PHY 2048 <input type="checkbox"/> EML 3004 (co)	EML 3011 Mech of Materials _____(3) <input type="checkbox"/> CHM 1045 <input type="checkbox"/> MAC 2313 <input type="checkbox"/> EML 3004	EML 3013 Dynamics _____(3) <input type="checkbox"/> EML 3002L <input type="checkbox"/> EML 3004

MAP 2302
or **MAP 3305**
_____(3)
 MAC 2312 (B- or better)
or
 MAC 2313

EML 4550 Eng Design Mthd _____(3) <input type="checkbox"/> EML 3002L <input type="checkbox"/> EML 3004	EEL 3003 Intro to EE _____(3) <input type="checkbox"/> MAC 2312 <input type="checkbox"/> PHY 2049
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Course Number	Credits
Total Credits	

JUNIOR

EML 3012 Intermediate Mech & Mat _____(3) <input type="checkbox"/> PHY 2049 <input type="checkbox"/> EML 3234 (co) <input type="checkbox"/> EML 3011 <input type="checkbox"/> EML 3012L (co)	EML 3012L Mech & Mat LAB (UDW) _____(1) <input type="checkbox"/> PHY 2049 <input type="checkbox"/> EML 3234 (co) <input type="checkbox"/> EML 3011 <input type="checkbox"/> EML 3012 (co)	EML 3014C Sys. Dynamics & Vibrations _____(3) <input type="checkbox"/> MAP 2302/3305 <input type="checkbox"/> EML 3013	EML 3015C Thermal Fluids I Fluid Mechanics _____(4) <input type="checkbox"/> MAC 2313 <input type="checkbox"/> EML 3102 <input type="checkbox"/> EML 3013 (co)	EML 3017C Mech Systems I _____(4) <input type="checkbox"/> MAP 2302/3305 <input type="checkbox"/> EML 3011 <input type="checkbox"/> EML 3013	
EML 4304 Exprmnt in Therm & Fluid Sciences _____(2) <input type="checkbox"/> EML 3015C <input type="checkbox"/> EML 3016 (co) <input type="checkbox"/> EML 4304L (co)	EML 4304L Exprmnt in Therm & Fluid Sci LAB _____(1) <input type="checkbox"/> EML 3015C <input type="checkbox"/> EML 3016 (co) <input type="checkbox"/> EML 4304 (co)	EML 3016 Thermal Fluids II Heat Transfer _____(3) <input type="checkbox"/> MAP 2302/3305 <input type="checkbox"/> EML 3015C	EML 3018C Mech Systems II _____(4) <input type="checkbox"/> EML 3017C <input type="checkbox"/> EML 3012/3012L (co)	EML 3811 Introduction to Mechatronics _____(1) <input type="checkbox"/> COP 3014C <input type="checkbox"/> EML 3811L (co)	EML 3811L Mechatronics LAB _____(2) <input type="checkbox"/> COP 3014C <input type="checkbox"/> EML 3811 (co)

LIBERAL STUDIES

LS Humanities
_____(3)

Hist/Soc Sci
_____(3)

SENIOR

ME Tech Elect I _____(3) <input type="checkbox"/> Check Prereqs	ME Tech Elect II _____(3) <input type="checkbox"/> Check Prereqs	EML 4551C Sr. Design I (SIP, OCCR) _____(3) <input type="checkbox"/> EML 3012/3012L <input type="checkbox"/> EML 3014C <input type="checkbox"/> EML 3016 <input type="checkbox"/> EML 3018C <input type="checkbox"/> EML 4550	5th Math _____(3) <input type="checkbox"/> Check Prereq	5 th MATH OPTIONS: EGN 3454 Numerical Methods for ME MAP 3306 (Eng. Math II) MAD 3401 (Intro. Numerical Analys.) MAP 4341 (Elem. Partial Diff. Equat. I) MAS 3105 (App. Linear Algebra I) *MAD 3703 (Numerical Analysis I) *STA 3032 (App. Stats for Eng & Sci)
ME Tech Elect III _____(3) <input type="checkbox"/> Check Prereqs	Tech Elect IV _____(3) <input type="checkbox"/> Check Prereqs	EML 4552C Sr. Design II (SIP, OCCR) _____(3) <input type="checkbox"/> EML 4551C		

FRESHMAN

SOPHOMORE

JUNIOR

SENIOR

updated 11/1/22

IF YOU DO NOT PASS ALL THE CLASSES YOU ARE NOW TAKING, YOU MUST SEE YOUR ADVISOR DURING THE FIRST FIVE DAYS OF THE NEW SEMESTER TO BE READVISED.

Student initials I understand that any adjustment to the above schedule is my responsibility.

Student initials I understand if the prerequisite and co-requisite requirements have **not been satisfied** with a 'C' grade or better I may be **administratively dropped** from the class any time during the term and remain fee liable.

Student initials I have satisfied the 9 hour University Summer Requirement.

Student initials

STUDENT _____

ID# _____

EMAIL _____

Signature _____

I have conversed with my FACULTY ADVISOR about my career path, my LinkedIn page, and related issues.

Student initials

ADVISOR _____

Advisor Signature _____

Date _____

For Term/ Year _____

Faculty initials