

FRESHMAN

Pre-Engineering Courses
GPA 2.0 or better required

MAC 2311
Calculus I
_____(4)
 MAC1114
 MAC1147

EGN 1004L
1st Year Eng. Lab
_____(1)

CHM 1045
Gen Chemistry I
_____(3)
 MAC 1105

CHM 1045L
Gen Chem Lab I
_____(1)
 CHM 1045(co)

MAC 2312
Calculus II
_____(4)
 MAC 2311

PHY 2048
Gen Physics I
_____(4)
 MAC 2311

PHY 2048L
Gen Physics I Lab
_____(1)
 PHY 2048(co)

COP 3014C
Programming I
_____(4)
 MAC 1105

MAC 2313
Calculus III
_____(5)
 MAC 2312

PHY 2049
Gen Physics II
_____(4)
 MAC 2312
 PHY 2048

PHY 2049L
Gen Physics II Lab
_____(1)
 PHY 2049(co)

SOPHOMORE

MUST EARN 'C' OR BETTER

EML 3002L
ME Tools Lab (CC)
_____(3)
 MAC 2311
 PHY 2048

EML 3102
Eng Thermo
_____(3)
 MAC 2311
 PHY 2048

EML 3004
Eng Statics
_____(3)
 MAC 2312
 PHY 2048

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

EML 3234
Mat Sci & Eng
_____(3)
 CHM 1045
 PHY 2048
 EML 3004(co)

EML 3011
Mech of Materials
_____(3)
 CHM 1045
 MAC 2313
 EML 3004

EML 3013
Dynamics
_____(3)
 EML 3002L
 EML 3004

EML 4550
Eng Design Mthd
_____(3)
 EML 3002L
 EML 3004

EEL 3003
Intro to EE
_____(3)
 MAC 2312
 PHY 2049

JUNIOR

EML 3012
Intermediate Mech & Mat
_____(3)
 PHY 2049
 EML 3234(co)
 EML 3011
 EML 3012L(co)

EML 3012L
Mech & Mat LAB (UDW)
_____(1)
 PHY 2049
 EML 3234(co)
 EML 3011
 EML 3012(co)

EML 3014C
Sys. Dynamics & Vibrations
_____(3)
 MAP 2302/3305
 EML 3013

EML 3015C
Thermal Fluids I
Fluid Mechanics
_____(4)
 MAC 2313
 EML 3102
 EML 3013(co)

EML 3017C
Mech Systems I
_____(4)
 MAP 2302/3305
 EML 3011
 EML 3013

EML 4304
Exprmnt in Therm & Fluid Sciences
_____(2)
 EML 3015C
 EML 3016(co)
 EML 4304L(co)

EML 4304L
Exprmnt in Therm & Fluid Sci LAB
_____(1)
 EML 3015C
 EML 3016(co)
 EML 4304(co)

EML 3016
Thermal Fluids II
Heat Transfer
_____(3)
 MAP 2302/3305
 EML 3015C

EML 3018C
Mech Systems II
_____(4)
 EML 3017C
 EML 3012/3012L(co)

EML 3811
Introduction to Mechatronics
_____(1)
 COP 3014C
 EML 3811L(co)

EML 3811L
Mechatronics LAB
_____(2)
 COP 3014C
 EML 3811(co)

SENIOR

ME Tech Elect I
_____(3)
 Check Prereqs

ME Tech Elect II
_____(3)
 Check Prereqs

EML 4551C
Sr. Design I (SIP, OCCR)
_____(3)
 EML 3012/3012L
 EML 3014C
 EML 3016
 EML 3018C
 EML 4550

5th Math
_____(3)
 Check Prereq

5th 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)
 Check Prereqs

Tech Elect IV
_____(3)
 Check Prereqs

EML 4552C
Sr. Design II (SIP, OCCR)
_____(3)
 EML 4551C

LIBERAL STUDIES

ENC 1101
Fresh Com Skills I
_____(3)
 St. Core Hist/SocSci
 St. Core Hum/Ethics
 Civic Literacy

AMH 2091,
 AFA 2000 or
 AFA 3104
 _____(3)

ENC 1102
Fresh Com. Skills II
_____(3)

Humanities CORE
 _____(3)

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

- Dynamic Systems
- Thermal Fluids
- Mechanics & Materials
- Magnet Science & Technology
- Aeronautics

Soc Sci CORE
 AMH 2020 or
 POS2041
 _____(3)

Course Number	Credits
Total Credits	

LIBERAL STUDIES

LS Humanities
 _____(3)

Hist/Soc Sci
 _____(3)

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