

FRESHMAN

Pre-Engineering Courses
GPA 2.0 or better required

MAC 2311
Calculus I
_____ (4)
 MAC1114
 MAC1147

MAC 2312
Calculus II
_____ (4)
 MAC 2311

MAC 2313
Calculus III
_____ (5)
 MAC 2312

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

PHY 2048C
Gen Physics I
_____ (5)
 MAC 2311

PHY 2049C
Gen Physics II
_____ (5)
 MAC 2312
 PHY 2048C

CHM 1045
Gen Chemistry I
_____ (3)
 MAC 1105

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

COP 3014
Programming I
_____ (3)
 MAC1140

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

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

SOPHOMORE

MUST EARN 'C' OR BETTER

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

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

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

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

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

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

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

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

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

JUNIOR

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

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

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

EML 3015C
Thermal Fluids I Fluid Mechanics
_____ (4)
 MAC 2313
 EML3102
 EML 3013 (co)

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

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 3014
 EML 3811L (co)

EML 3811L
Mechatronics LAB
_____ (2)
 COP 3014
 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
English I
_____ (3)

St. Core Hist/SocSci
St. Core Hum/Ethics
History
Social Science
Ethics
Humanities
Diversity X or Y
Diversity X or Y
W
W
Civic Literacy
Digital Literacy

Hist/Soc Sci CORE
AMH 2020 or
POS1041
_____ (3)

ENC 2135
Research, Genre & Context
_____ (3)

Humanities CORE
_____ (3)

LS Humanities
_____ (3)

Course Number	Credits
Total Credits	

LIBERAL STUDIES

Non-Core Social Science or History (whichever is not represented in CORE)
_____ (3)

Liberal Studies
_____ (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 _____

ID# _____

EMAIL _____

Signature _____

ADVISOR _____

Advisor Signature _____

Date _____

For Term/ Year _____

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

Faculty initials