

FRESHMAN

Pre-Engineering Courses
GPA 2.0 or better required

MAC 2311
Calculus I
_____(4)
 MAC1114 or MAC1147

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

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)

MAC 2313
Calculus III
_____(5)
 MAC 2312

CHM 1045
Gen Chemistry I
_____(3)
 MAC 2311 (co)

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

Other courses might serve as acceptable alternatives to these common course prerequisites. The current list may be found at <https://dlss.flvc.org/admin-tools/common-prerequisites-manuals>

LIBERAL STUDIES

ENC 1101
Fresh Com Skills I
_____(3)

ENC 1102
Fresh Com Skills II
_____(3)

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

Humanities CORE
_____(3)

Soc Sci CORE
AMH 2020 or
POS2041
_____(3)

LS Humanities
_____(3)

Soc Sci/ His
_____(3)

COP 3014
Programming I
_____(3)
 MAC 1105
Required for students entering Spring 2017

SOPHOMORE

Fa Sp Su

Materials Fee assessed for EML3002L, EML3012C, EML3018C, and EML3811.

EML 3002L
ME Tools Lab
_____(3)
 MAC 2311
 PHY 2048
 EML3002 (co)

EML 3002
ME Tools
_____(2)
 MAC 2311
 PHY 2048

EML 3004
Intro to ME
_____(3)
 MAC 2312
 PHY 2048

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

MAP 2302 or MAP 3305
_____(3)
 MAC 2313

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

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

MUST EARN 'C' OR BETTER TO PROCEED

Sp Su Fa

EML 3013C
Dynamic Sys I
_____(4)
 MAP 2302/3305 (co)
 EML 3002L
 EML 3004

EML 3011C
Mech & Mat I
_____(4)
 CHM 1045
 MAC 2313
 EML 3002L
 EML 3004

Fa Sp Su

EML 3811
Mechanotics Lab
_____(2)
 MAC 2312
 PHY 2049

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

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)

JUNIOR

Fa & Sp

EML 3014C
Dynamic Sys II
_____(3)
 EML 3013 C

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

EML 3015C
Thermal Fluids I
_____(4)
 MAC 2313
 EML3002
 EML 3013C (co)

Sp & Fa

EML 3016C
Thermal Fluids II
_____(4)
 MAP 2302/3305
 EML 3015C

EML 4304L
Exprmnts Thrm Fluid Science
_____(3)
 EML 3012C
 EML 3015C
 EML 3016C (co)

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

Fa & Sp

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

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

Fa

Tech Elect I
_____(3)
 Check Prereqs

Tech Elect II
_____(3)
 Check Prereqs

EML 4551C
Sr. Design I
_____(3)
 EML 3012C
 EML 3016C
 EML 4550
 EML 3014C
 EML 3018C

Sign up for FE EXAM. Go to: <https://fbpe.org/>

Sp

Tech Elect III
_____(3)
 Check Prereqs

Tech Elect IV
_____(3)
 Check Prereqs

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

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

- Dynamic Systems
- Thermal Fluids
- Mechanics and Materials
- Magnet Science and Technology
- Aeronautics Track

COURSE DESCRIPTION	Credit

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 _____

EMPL ID# _____

EMAIL _____

Signature _____

ADVISOR _____

Advisor Signature _____

Date _____

For Term/ Year _____

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