

(co) – Corequisite

Prerequisites

Course

FRESHMAN

Pre-Engineering Courses
GPA 2.0 or better required

MAC 2311
Calculus I
_____(4)
 MAC1114 or MAC1147

MAC 2312
Calculus II
_____(4)
 MAC 2311

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

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

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

MAC 2313
Calculus III
_____(5)
 MAC 2312

CHM 1045
Gen Chemistry I
_____(3)
 MAC 1105

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

CC (Computer Competency), UDW (Upper Division Writing), SIP (Scholarship in Practice) and OCCR (Oral Communication Competency) are met by satisfaction, with a C grade or better, of Mechanical Engineering courses indicated.

Students who entered the University since Fall 2018 must meet Liberal Studies in the 21st Century requirements including:

History Humanities Social Science X Y W ETHICS CIVICS

LIBERAL STUDIES

ENC 1101
English I
_____(3)

ENC 2135
Research, Genre & Context
_____(3)

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

Humanities CORE
_____(3)

LS Humanities
_____(3)

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

Liberal Studies
_____(3)

SOPHOMORE

Fa Sp Su

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

EML 3002L
ME Tools Lab (CC)
_____(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 2312 (B- or better) or MAC 2313

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

COP 3014
Programming I
_____(3)
 MAC 1105

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

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
Exprmts Thrl Fluid Science
_____(3)
 EML 3012C
 EML 3015C
 EML 3016C (co)

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

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

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

5th Math
_____(3)
 Check Prereq

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

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

SENIOR

Fa

Tech Elect I
_____(3)
 Check Prereqs

Tech Elect II
_____(3)
 Check Prereqs

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

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 (SIP, OCCR)
_____(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

updated 09/08/21

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 corequisite 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 _____

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

Student initials

Faculty initials