

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 (co) MAC 2312 (se)

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.fivc.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)

Course
Prerequisites

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 IFS (W) W ETHICS CMCS

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 2311 (co) MAC 2312 (se)

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 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 Thrm 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

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

ME course listing - <https://ww2.eng.famu.fsu.edu/me/courses/>
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.

<https://ww2.eng.famu.fsu.edu/current/undergraduate/guide.html> updated 04/06/18

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 _____

ADVISOR _____

Advisor Signature _____

Date _____

For Term/ Year _____

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

Faculty initials