FSU

(co) – Corequisite

Course

Prerequisites

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 2048C** Gen Physics I _____(5) — ☐ MAC 2311
- **COP 3014** Programming I _____(3) — ☐ MAC 1105
- **MAC 2313** Calculus III _____(5) — ☐ MAC 2312
- **PHY 2049C** Gen Physics II _____(5) — ☐ MAC 2312 ☐ PHY 2048C

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

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

LIBERAL STUDIES

- **ENC 1101** English I _____(3)
- _____ Hist/Soc Sci CORE AMH 2020 or POS1041 _____(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
- **ENC 2135** Research, Genre & Context _____(3)
- _____ Humanities CORE _____(3)
- _____ LS Humanities _____(3)

SOPHOMORE

MUST EARN 'C' OR BETTER

- **EML 3002L** ME Tools Lab (CC) _____(3) — ☐ MAC 2311 ☐ PHY 2048C
- **EML 3102** Eng Thermo _____(3) — ☐ MAC 2311 ☐ PHY 2048C
- **EML 3004** Eng Statics _____(3) — ☐ MAC 2312 ☐ PHY 2048C
- **MAP 2302** or **MAP 3305** _____(3) — ☐ MAC 2312 (B- or better) or ☐ MAC 2313
- **EML 3234** Mat Sci & Eng _____(3) — ☐ CHM 1045 ☐ PHY 2048C ☐ 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 2049C

Course Number	Credits
Total Credits	

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 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 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 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

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

updated 2/21/22

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