FAMU

(co) – Corequisite

Course
Prerequisites

LIBERAL STUDIES

ENC 1101 — Fresh Com Skills I _____ (3)
- ☐ St. Core Hist/SocSci
- ☐ St. Core Hum/Ethics
- ☐ Civic Literacy

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

ENC 1102 — Fresh Com Skills II _____ (3)

Humanities CORE _____ (3)

Soc Sci CORE AMH 2020 or POS2041 _____ (3)

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 2048 — Gen Physics I _____ (4)
- ☐ MAC 2311

PHY 2048L — Gen Physics I Lab _____ (1)
- ☐ PHY 2048 (co)

COP 3014C — Programming I _____ (4)
- ☐ MAC1140

MAC 2313 — Calculus III _____ (5)
- ☐ MAC 2312

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

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

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 2048

EML 3102 — Eng Thermo _____ (3)
- ☐ MAC 2311
- ☐ PHY 2048

EML 3004 — Eng Statics _____ (3)
- ☐ MAC 2312
- ☐ PHY 2048

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

EML 3234 — Mat Sci & Eng _____ (3)
- ☐ CHM 1045
- ☐ PHY 2048
- ☐ 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 (DL) _____ (3)
- ☐ EML 3002L
- ☐ EML 3004

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

JUNIOR

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

EML 3012L — Mech & Mat LAB (UDW) _____ (1)
- ☐ PHY 2049
- ☐ 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 3014C
- ☐ EML 3811L (co)

EML 3811L — Mechatronics LAB _____ (2)
- ☐ COP 3014C
- ☐ EML 3811 (co)

Course Number	Credits
Total Credits	

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

LS Humanities _____ (3)

Hist/Soc Sci _____ (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 _____

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

_____ Student initials   _____ Faculty initials