FAMU Electrical Engineering
2016-2017

Year 1

Fall

CHM 1045 General Chem.
MAC 1105, Placement Exam

CHM 1045L Gen. Chem. Lab
Coreq: CHM 1045

Humanities I

ENC 1101 Comm. Skills I

EGN 1004L 1st Yr. Eng. Lab

MAC 2311 Calculus I
MAC 1147 or MAC 1114

Spring

PHY 2048 Gen. Physics I
CoReq: MAC 2311

PHY 2048L Gen. Phys. Lab
CoReq: PHY 2048

ENC 1102 Comm. Skills II
ENC 1101

COP 3014C Fund. Program.
MAC 1147 or MAC 2311

MAC 2312 Calculus II
MAC 2311

Year 2

Fall

PHY 2049 Gen Physics II
PHY 2048

PHY 2049L Gen. Phys. Lab
PHY 2048/L
Coreq: PHY 2049

EEL 3111 Intro to Circuits I
MAC 2312
Coreq: MAC2313, PHY2049/L

EEL 3002L ECE Tools Lab
Coreq: EEL 3111

MAC 2313 Calculus III
MAC 2312

Spring

EGM 3512 Eng. Mechanics
MAC 2312, PHY 2048
Coreq: MAC 2313

EEL 3112L Circuits II Lab
EEL 3111, EEL 3002L
Coreq: EEL 3112

EEL 3112 Circuits II
EEL 3111
Coreq: MAP 2302

EEL 3705L Dig. Log. Des. Lab
COP 3014
Coreq: EEL 3705

EEL 3705 Dig. Log. Design
COP 3014

MAP 2302 Diff. Equations
MAC 2313

Year 3

Fall

MAS 3105 Linear Algebra
MAC 2312

EEE 3300L Electronics Lab
EEL 3112/L
Coreq: EEE 3300

EEE 3300 Electronics
EEL 3112, MAP 2302

EEL 3135 Sig. & Lin. Syst.
MAP 2302
Coreq: EEL 3112, MAS 3105

EEL 4746 Microprocessors
EEL 3705/L

EEL 4746L Microproc. Lab
EEL 3705/L, Coreq: EEL 4746

Spring

EEL 3472 Electro. Fields I
EEL 3112, MAP 2302, MAS 3105

EEL 4021 Stat. Topics in EE
MAS 3105, EEL 3112

EEL 4515 Digital Com.
EEL 3135
Coreq: EEL 4021

EML 3100 Thermodynamics
CHM 1045/L, MAC 2312, PHY 2048C

Hum./Soc. Sci.

Year 4

Fall

EEL4911C Senior Design I
*** Fall ONLY ***
*See Below

EE Tier II Course I
See Course Catalog

EE Tier II Course II
See Course Catalog

ECE Technical Elective I
See Course Catalog

Humanities II

EEL Lab Elective
See Course Catalog

Spring

EEL 4915C EE Sr. Design II
Spring ONLY
EEL 4911C, instructor consent

EE Tier II Course III
See Course Catalog

EE Tier II Course IV
See Course Catalog

ECE Technical Elective II
See Course Catalog

ECE or Non-ECE Tech Elec.
See Course Catalog

Summer

AMH 2091

Social Science
Non-history

Humanities III

Legend & Notes

Course
Prerequisties

* EEL 4911 C Prereq: EEL 3111, EEL 3112, EEL 3135, EEL 3705, EEL 3300, and at least 3 out of the following 4 courses: EEL 3472, EEL 4515, EEL 4021, EEL 4746.
Up to two of the prerequisites may be taken as corequisites.

** The shaded courses are pre-engineering courses and must be completed before a student can transfer into Electrical Engineering.