

**Electrical and Computer Engineering
Suggested Course Sequences**

		FSU EE	FSU CpE	FAMU EE	FAMU CpE
1st Year	Fall	ENC1101 English I 3 MAC2311 Calculus I 4 CHM1054C Gen Chemistry I w/Lab 4 Humanities I ("W", Literature) 3	ENC1101 English I 3 MAC2311 Calculus I 4 CHM1054C Gen Chemistry I w/Lab 4 Humanities I ("W", Literature) 3	ENC1101 English I 3 MAC2311 Calculus I 4 CHM1054 Gen Chemistry 3 CHM1054L Gen Chemistry I Lab 1 Humanities I 3	ENC1101 English I 3 MAC2311 Calculus I 4 CHM1054 Gen Chemistry 3 CHM1054L Gen Chemistry I Lab 1 Humanities I 3
	Spring	ENC1102 English II 3 MAC2312 Calculus II 4 PHY2048C Gen Physics A w/Lab 5 Humanities II ("W", "X") 3	ENC1102 English II 3 MAC2312 Calculus II 4 PHY2048C Gen Physics A w/Lab 5 COP3014 Fund of Programming 3 COP3353 Introduction to UNIX 1	ENC1102 English II 3 MAC2312 Calculus II 4 PHY2048 Gen Physics I 4 PHY2048L Gen Physics I Lab 1 Humanities II 3	ENC1102 English II 3 MAC2312 Calculus II 4 PHY2048 Gen Physics I 4 PHY2048L Gen Physics I Lab 1 COP2221 "C" Programming 3
	Summer	Social Science I ("History", "W") 3 Social Science II (non-history) 3 Hum or Soc Science ("W", "Y") 3	Social Science I ("History", "W") 3 Social Science II (non-history) 3 Humanities II ("W", "X") 3	AMH2091 Intro to AA History 3 Social Science (non-history) 3 Humanities III 3	AMH2091 Intro to AA History 3 Social Science (non-history) 3 Humanities II 3
2nd Year	Fall	MAC2313 Calculus III 5 PHY2049C Gen Physics B w/Lab 5 EEL3111 Intro to Circuits I 3 COP3014 Fund of Programming 3	MAC2313 Calculus III 5 PHY2049C Gen Physics B w/Lab 5 EEL3111 Intro to Circuits I 3 MAD2104 Discrete Math 3	MAC2313 Calculus III 5 PHY2049 Gen Physics II 4 PHY2049L Gen Physics II Lab 1 COP2221 "C" Programming 3 EEL3111 Intro to Circuits I 3	MAC2313 Calculus III 5 PHY2049 Gen Physics II 4 PHY2049L Gen Physics II Lab 1 COT3100 Discrete Structures I 3 EEL3111 Intro to Circuits I 3
	Spring	MAP3305 Emath I -OR- MAP2302 Ord Differential Eqns (3) 3 EGM3512 Engineering Mechanics 4 EEL3112 Circuits II 3 EEL3112L Circuits II Lab 1 EEL3705 Digital Logic Design 3 EEL3705L Digital Logic Design Lab 1	MAP3305 Emath I -OR- MAP2302 Ord Differential Eqns (3) 3 COP3330 Obj Oriented Prog 3 EEL3112 Circuits II 3 EEL3112L Circuits II Lab 1 EEL3705 Digital Logic Design 3 EEL3705L Digital Logic Design Lab 1	MAP3305 Emath I -OR- MAP2302 Differential Eqns (3) 3 EGM3512 Engineering Mechanics 4 EEL3112 Circuits II 3 EEL3112L Circuits II Lab 1 EEL3705 Digital Logic Design 3 EEL3705L Digital Logic Design Lab 1	MAP3305 Emath I -OR- MAP2302 Differential Eqns (3) 3 EEL3112 Circuits II 3 EEL3112L Circuits II Lab 1 COP3014 Fund Programming 3 COP3014L Fund Programming Lab 1 EEL3705 Digital Logic Design 3 EEL3705L Digital Logic Design Lab 1
3rd Year	Fall	MAP3306 Emath II -OR- MAS3105 Appl Linear Algebra I (4) 3 EEE3300 Electronics 3 EEE3300L Electronics Lab 1 EEL3135 Signal and Systems 3 EEL4746 Microprocessors 3 EEL4746L Microprocessors Lab 1	MAP3306 Emath II -OR- MAS3105 Appl Linear Algebra I (4) 3 EEE3300 Electronics 3 EEE3300L Electronics Lab 1 EEL3135 Signal and Systems 3 EEL4746 Microprocessors 3 EEL4746L Microprocessors Lab 1	MAP3306 Emath II -OR- MAS3105 Linear Algebra I (3) 3 EEE3300 Electronics 3 EEE3300L Electronics Lab 1 EEL3135 Signal and Systems 3 EEL4746 Microprocessors 3 EEL4746L Microprocessors Lab 1	MAP3306 Emath II -OR- MAS3105 Linear Algebra I (3) 3 EEE3300 Electronics 3 EEE3300L Electronics Lab 1 EEL3135 Signal and Systems 3 EEL4746 Microprocessors 3 EEL4746L Microprocessors Lab 1
	Spring	EEL4021 Stat Topics in EE 3 EEL3472 Electromagnetic Fields I 3 EEL3512 Communications 3 EML3100 Thermodynamics 2 Humanities or Social Science 3	EEL4021 Stat Topics in EE 3 EEL3472 Electromagnetic Fields I 3 EEL3512 Communications 3 COP4530 Data Structures 2 EEL4710 Intro to FPLDs 3	EEL4021 Stat Topics in EE 3 EEL3472 Electromagnetic Fields I 3 EEL3512 Communications 3 EML3100 Thermodynamics 2 Humanities IV 3	EEL4021 Stat Topics in EE 3 EEL3472 Electromagnetic Fields I 3 EEL3512 Communications 3 COP3530 Data Structures 2 EEL4710 Intro to FPLDs 3
4th Year	Fall	EEL4911C Senior Design I 3 EEL Tier II Course I 3 EEL Tier II Course II 3 EEL Technical Elective I 3 EEL Technical Elective II 3 EEL Lab Elective 1	EEL4911C Senior Design I 3 CpE Technical Elective I 3 EGM3512 Engineering Mechanics 4 EEL4713 Comp Architecture 3 COP4610 Operating Systems (Fa) 3	EEL4911C Senior Design I 3 EEL Tier II Course I 3 EEL Tier II Course II 3 EEL Technical Elective I 3 EEL Technical Elective II 3 EEL Lab Elective 1	EEL4911C Senior Design I 3 CpE Technical Elective I 3 EGM3512 Engineering Mechanics 4 EEL4713 Comp Architecture 3 Humanities III 3
	Spring	EEL4915C EE Senior Design II 3 EEL Tier II Course III 3 EEL Tier II Course IV 3 EEL Technical Elective III 3 EE or Non-EE Tech Elective 3	EEL4914C CpE Senior Design II 3 Hum or Soc Science ("W", "Y") 3 EML3100 Thermodynamics 2 CpE Technical Elective II 3 Humanities or Social Science 3	EEL4915C EE Senior Design II 3 EEL Tier II Course III 3 EEL Tier II Course IV 3 EEL Technical Elective III 3 EE or Non-EE Tech Elective 3	EEL4914C CpE Senior Design II 3 COP3610 Operating Systems (Sp) 3 EML3100 Thermodynamics 2 CpE Technical Elective II 3 Humanities IV 3
TOTAL HOURS		128	128	128	128

Tier II & Elective Lab Courses Offered	
Fall	EEL3473 Electromagnetic Fields II 3 EEL3216 Fundamentals of Power 3 EEE4351 Solid State Electr Devices 3 EEL4710 Intro to FPLDs 3 EEE4301L Electronics II Lab 1
Spring	EEL4652 Control Systems 3 EEL4515 Digital Communications 3 EEL4710 Intro to FPLDs 3 EEL4435L Electromagnetics Lab 1 EEL4905L Power&Energy Lab 1

NEW FAMU & FSU Math Courses (Replacing Emath I and Emath II)	
FAMU	MAP2302 Differential Equations Prereqs: MAC2313 MAS3105 Linear Algebra Prereqs: MAC2312
FSU	MAP2302 Ordinary Differential Equations Prereqs: MAC2312 w/B- or MAC2313 MAS3105 Applied Linear Algebra I Prereqs: MAC2312

Course Offerings in the ECE Department by Semester

Fall Semesters

Required Courses

EEE3300 Electronics
EEE3300L Electronics Lab
EEE4351 Solid State Electr Devices
EEL3111 Intro to Circuits I
EEL3135 Signal and Systems
EEL4710 Intro to FPLDs
EEL4713 Comp Architecture
EEL4746 Microprocessors
EEL4746L Microprocessors Lab
EEL4911C Senior Design I

Tier II Courses (EE)

EEL3216 Fundamentals of Power
EEL3473 Electromagnetic Fields II
EEE4351 Solid State Electr Devices
EEL4710 Intro to FPLDs

Elective Lab

EEE4301L Electronics II Lab

Spring Semesters

Required Courses

EEL3112 Circuits II
EEL3112L Circuits II Lab
EEL3472 Electromagnetic Fields I
EEL3512 Communications
EEL3705 Digital Logic Design
EEL3705L Digital Logic Design Lab
EEL4021 Stat Topics in EE
EEL4710 Intro to FPLDs
EEL4914C CpE Senior Design II
EEL4915C EE Senior Design II

Tier II Courses (EE)

EEL4652 Control Systems
EEL4515 Digital Communications
EEL4710 Intro to FPLDs

Elective Labs

EEL4435L Electromagnetics Lab
EEL4905L Power&Energy Lab

