

**Electrical and Computer Engineering
Suggested Course Sequences Effective Summer 2015**

		FSU EE	FSU CpE	FAMU EE	FAMU CpE
1st Year	Fall	ENC1101 Fresh. Com. & Rhet. 14 MAC2311 Calculus I 4 CHM1045C Gen Chemistry I w/Lab 4 Humanities/Ethics Core 3	ENC1101 Fresh. Com. & Rhet. 14 MAC2311 Calculus I 4 CHM1045C Gen Chemistry I w/Lab 4 Humanities/Ethics Core 3	ENC1101 or ENC1121 14 MAC2311 Calculus I 3 CHM1045 Gen Chemistry 4 CHM1045L Gen Chemistry I Lab 3 Humanities Core 1	ENC1101 or ENC1121 14 MAC2311 Calculus I 3 CHM1045 Gen Chemistry 4 CHM1045L Gen Chemistry I Lab 3 Humanities Core 1
	Spring	ENC2135 Res., Genre & Context 3 MAC2312 Calculus II 4 PHY2048C Gen Physics A w/Lab 5 COP3014 Fund of Programming 3	ENC2135 Res., Genre & Context 3 MAC2312 Calculus II 4 PHY2048C Gen Physics A w/Lab 5 COP3014 Fund of Programming 3 COP3344 Introduction to UNIX 1	ENC1102 English II 3 MAC2312 Calculus II 4 PHY2048 Gen Physics I 4 PHY2048L Gen Physics I Lab 1 COP3014C Fund. of Programming 4	ENC1102 or ENC1122 3 MAC2312 Calculus II 4 PHY2048 Gen Physics I 4 PHY2048L Gen Physics I Lab 1 COP3014C Fund. of Programming 4
	Summer	History/Social Science Core 3 Soc. Sci./History Core or Appr. Addit. 3 Ethics/Human. Core or Appr. Addit. 3	History/Social Science Core 3 Soc. Sci./History Core or Appr. Addit. 3 MAD2104 Discrete Math 3	AFA2000, AFA3104, or AMH2091 3 Social Science Core 3 Humanities Core or Appr. Additional 3	AFA2000, AFA3104, or AMH2091 3 Social Science Core 3 COT3100 Discrete Structures I 3
2nd Year	Fall	MAC2313 Calculus III 5 PHY2049C Gen Physics B w/Lab 5 EEL3111 Intro to Circuits I 3 EEL3002L ECE Tools Lab 2	MAC2313 Calculus III 5 PHY2049C Gen Physics B w/Lab 5 EEL3111 Intro to Circuits I 3 EEL3002L ECE Tools Lab 2	MAC2313 Calculus III 5 PHY2049 Gen Physics II 4 PHY2049L Gen Physics II Lab 1 EEL3002L ECE Tools Lab 2 EEL3111 Intro to Circuits I 3	MAC2313 Calculus III 5 PHY2049 Gen Physics II 4 PHY2049L Gen Physics II Lab 1 EEL3002L ECE Tools Lab 2 EEL3111 Intro to Circuits I 3
	Spring	MAP2302 Ord Differential Eqns 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	MAP2302 Ord Differential Eqns 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	MAP2302 Differential Eqns 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	MAP2302 Differential Eqns 3 EEL3112 Circuits II 3 EEL3112L Circuits II Lab 1 COP3330 Obj Oriented Prog 3 EEL3705 Digital Logic Design 3 EEL3705L Digital Logic Design Lab 1
3rd Year	Fall	MAS3105 Applied Linear Algebra I 15 EEE3300 Electronics 4 EEE3300L Electronics Lab 3 EEL3135 Signal and Systems 1 EEL4746 Microprocessors 3 EEL4746L Microprocessors Lab 1	MAS3105 Applied Linear Algebra I 15 EEE3300 Electronics 4 EEE3300L Electronics Lab 3 EEL3135 Signal and Systems 1 EEL4746 Microprocessors 3 EEL4746L Microprocessors Lab 1	MAS3105 Linear Algebra 14 EEE3300 Electronics 3 EEE3300L Electronics Lab 1 EEL3135 Signal and Systems 3 EEL4746 Microprocessors 3 EEL4746L Microprocessors Lab 1	MAS3105 Linear Algebra 14 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 EEL4515 Digital Communications 3 EML3100 Thermodynamics 2 EEL3927 Eng. Design Concepts 3	EEL4021 Stat Topics in EE 3 EEL3927 Eng. Design Concepts 3 EEL4515 Digital Communications 3 COP4530 Data Structures 3 EEL4710 Intro to FPLDs 3	EEL4021 Stat Topics in EE 3 EEL3472 Electromagnetic Fields I 3 EEL4515 Digital Communications 3 EML3100 Thermodynamics 2 EEL3927 Eng. Design Concepts 3	EEL3927 Eng. Design Concepts 3 EEL4021 Stat Topics in EE 3 EEL4515 Digital Communications 3 COP3530 Data Structures 3 EEL4710 Intro to FPLDs 3
4th Year	Fall	EEL4911C Senior Design I 3 EE Tier II Course I 3 EE Tier II Course II 3 ECE Technical Elective I 3 Humanities II ("W", "X") 3 EE Lab Elective 1	EEL4911C Senior Design I 3 ECE Technical Elective I 3 EGM3512 Engineering Mechanics 4 EEL4713 Comp Architecture 3 COP4610 Operating Systems 3	EEL4911C Senior Design I 3 EE Tier II Course I 3 EE Tier II Course II 3 ECE Technical Elective I 3 Social Science Core or Appr. Addit. 3 EE Lab Elective 1	EEL4911C Senior Design I 3 ECE Technical Elective I 3 EGM3512 Engineering Mechanics 4 EEL4713 Comp Architecture 3 Humanities Core or Appr. Additional 3
	Spring	EEL4915C EE Senior Design II 3 EE Tier II Course III 3 EE Tier II Course IV 3 ECE Technical Elective II 3 ECE or Non-ECE Tech Elective 3	EEL4914C CpE Senior Design II 3 Ethics/Human. Core or Appr. Addit. 3 EML3100 Thermodynamics 2 ECE or Non-ECE Tech Elective 3 Humanities or Social Science 3	EEL4915C EE Senior Design II 3 EE Tier II Course III 3 EE Tier II Course IV 3 ECE Technical Elective II 3 ECE or Non-ECE Tech Elective 3	EEL4914C CpE Senior Design II 3 COP3610 Operating Systems 3 EML3100 Thermodynamics 2 ECE or Non-ECE Tech Elective 3 Social Science Core or Appr. Addit. 3 Free Elective 1
EE Tier II & Elective Lab Courses Offered					
Fall Only					
Tier II: EEL3216 Fundamentals of Power 3					
EEL3473 Electromagnetic Fields II 3					
EEE4510 Digital Signal Processing 3					
EEL4710 Intro to FPLDs 3					
Elec. Lab: EEE4301L Electronics II Lab 1					
Spring Only					
Tier II: EEE4351 Solid State Electr Devices 3					
EEL4652 Control Systems 3					
EEL4710 Intro to FPLDs 3					
Elec. Lab: EEL4435L Electromagnetics Lab 1					
EEL4217L Power&Energy Lab 1					
TOTAL HOURS		128	128	128	128

- Notes:**
1. ECE Technical Electives include EEE or EEL undergraduate courses not required for the degree, except EEL3003.
 2. EE Tier II courses beyond those required for the degree can be ECE Technical Electives.