

**Electrical Engineering Program  
Suggested Course Sequence**

Year	Semester	FAMU Electrical Engineering Majors		FSU Electrical Engineering Majors	
		Course Number and Name	Credits	Course Number and Name	Credits
1	Fall	ENC-1101 Freshman Communication Skills I	3	ENC-1101 Freshman Composition and Rhetoric	3
		MAC-2311 Calculus I	4	MAC-2311 Calculus I	4
		CHM-1045/1045L General Chem and General Chem Lab	4	CHM-1045/1045L General Chem and General Chem Lab	4
		Humanities Elective (Statewide Core)	3	Ethics or Humanities Elective (Statewide Core)	3
		<b>Semester Total</b>	<b>14</b>	<b>Semester Total</b>	<b>14</b>
1	Spring	PHY-2048/L General Physics I and General Physics Lab	5	PHY-2048C General Physics I with Lab	5
		MAC-2312 Calculus II	4	MAC-2312 Calculus II	4
		ENC-1102 Freshman Communication Skills II	3	ENC-2135 Research, Genre, and Context	3
		COP-3014C Fundamentals of Programming	4	COP-3014 C Programming	3
		<b>Semester Total</b>	<b>16</b>	<b>Semester Total</b>	<b>15</b>
1	Summer	African American History Elective	3	History or Social Science Elective	3
		Social Science Elective (Statewide Core)	3	History or Social Science Elective (Statewide Core)	3
		Humanities or Social Science Elective	3	Ethics or Humanities Elective	3
		<b>Semester Total</b>	<b>9</b>	<b>Semester Total</b>	<b>9</b>
		2	Fall	PHY-2049/L General Physics II and General Physics Lab	5
MAC-2313 Calculus III	5			MAC-2313 Calculus III	5
EEL-3111 Introduction to Circuit Analysis	3			EEL-3111 Introduction to Circuit Analysis	3
EEL-3002L ECE Tools Lab	2			EEL-3002L ECE Tools Lab	2
<b>Semester Total</b>	<b>15</b>			<b>Semester Total</b>	<b>15</b>
2	Spring	EEL-3112 Circuits II	3	EEL-3112 Circuits II	3
		EEL-3112L Circuits II Lab	1	EEL-3112L Circuits II Lab	1
		EEL-3705 Digital Logic Design	3	EEL-3705 Digital Logic Design	3
		EEL-3705L Digital Logic Design Lab	1	EEL-3705L Digital Logic Design Lab	1
		MAS-3105 Linear Algebra	3	MAS-3105 Applied Linear Algebra I	4
		MAP-2302 Differential Equations	3	MAP-2302 Differential Equations	3
		<b>Semester Total</b>	<b>14</b>	<b>Semester Total</b>	<b>15</b>
3	Fall	EEL-4746 Microprocessors	3	EEL-4746 Microprocessors	3
		EEL-4746L Microprocessors Lab	1	EEL-4746L Microprocessors Lab	1
		EEL-3135 Signal and Linear Systems Analysis	3	EEL-3135 Signal and Linear Systems Analysis	3
		EEE-3300 Electronics	3	EEE-3300 Electronics	3
		EEE-3300L Electronics Laboratory	1	EEE-3300L Electronics Laboratory	1
		EGM-3512 Engineering Mechanics	4	EGM-3512 Engineering Mechanics	4
		<b>Semester Total</b>	<b>15</b>	<b>Semester Total</b>	<b>15</b>
3	Spring	EEL-3472 Electromagnetic Fields I	3	EEL-3472 Electromagnetic Fields I	3
		EEL-3927 Engineering Design Concepts	3	EEL-3927 Engineering Design Concepts	3
		EEL-4021 Statistical Topics in EE	3	EEL-4021 Statistical Topics in EE	3
		EEL-4515 Digital Communications	3	EEL-4515 Digital Communications	3
		EML-3100 Thermodynamics	2	EML-3100 Thermodynamics	2
		<b>Semester Total</b>	<b>14</b>	<b>Semester Total</b>	<b>14</b>
4	Fall	Humanities or Social Science Elective	3	E-Series Course (IFS)	3
		EEL-4911C Senior Design Project I	3	EEL-4911C Senior Design Project I	3
		EE Tier II Course I	3	EE Tier II Course I	3
		EE Tier II Course II	3	EE Tier II Course II	3
		EE Technical Elective I	3	EE Technical Elective I	3
		EEL Lab Elective	1	EEL Lab Elective	1
		<b>Semester Total</b>	<b>16</b>	<b>Semester Total</b>	<b>16</b>
4	Spring	EE Technical Elective II	3	EE Technical Elective II	3
		EEL-4915C EE Senior Design Project II	3	EEL-4915C EE Senior Design Project II	3
		EE Tier II Course III	3	EE Tier II Course III	3
		EE Tier II Course IV	3	EE Tier II Course IV	3
		EE or Non-EE Technical Elective	3	EE or Non-EE Technical Elective	3
		<b>Semester Total</b>	<b>15</b>	<b>Semester Total</b>	<b>15</b>
		<b>Grand Total</b>	<b>128</b>	<b>Grand Total</b>	<b>128</b>