

**Computer Engineering Program  
Suggested Course Sequence**

		<b>FAMU Computer Engineering Majors</b>		<b>FSU Computer Engineering Majors</b>	
<b>Year</b>	<b>Semester</b>	<b>Course Number and Name</b>	<b>Credits</b>	<b>Course Number and Name</b>	<b>Credits</b>
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 or BIO-1010/L General Biology and General Biology Lab	4	CHM-1045/1045L General Chem/General Chem Lab BIO-2010/L (FSU) General Biology/General Biology Lab	4
		Humanities Elective (Statewide Core)	3	Ethics/Humanties 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	ENC-2135 Research, Genre, and Context	3
		MAC-2312 Calculus II	4	PHY-2048C General Physics I with Lab	5
		ENC-1102 Freshman Communication Skills II	3	MAC-2312 Calculus II	5
		COP-3014C Fundamentals of Programming	4	COP-3353 Intro to Unix	1
		<b>Semester Total</b>	<b>16</b>	COP-3014 C Programming	3
<b>Semester Total</b>	<b>17</b>	<b>Semester Total</b>	<b>17</b>		
1	Summer	African American History Course	3	History or Social Science Elective	3
		Social Science Elective (Statewide Core)	3	History or Social Science Elective (Statewide Core)	3
		COT-3100 Discrete Structures	3	MAD-2104 Discrete Math	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	PHY-2049C General Physics II with Lab	5
		MAC-2313 Calculus III	5	MAC-2313 Calculus III	4
		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
		Free Elective	1		
		<b>Semester Total</b>	<b>15</b>	<b>Semester Total</b>	<b>13</b>
2	Spring	MAS-3105 Linear Algebra	3	MAS-3105 Applied Linear Algebra I	4
		EEL-3003 Introduction to EE	3	EEL-3003 Introduction to EE	3
		EEL-3002L ECE Tools Lab	2	EEL-3002L ECE Tools Lab	2
		EEL-4746 Microprocessors	3	EEL-4746 Microprocessors	3
		EEL-4746 Microprocessors Lab	1	EEL-4746 Microprocessors Lab	1
		MAP-2302 Differential Equations	3	MAP-2302 Differential Equations	3
		<b>Semester Total</b>	<b>15</b>	<b>Semester Total</b>	<b>16</b>
3	Fall	EEL-3135 Signal and Linear Systems Analysis	3	EEL-3135 Signal and Linear Systems Analysis	3
		EEL-4710 Introduction to VHDL	3	EEL-4710 Introduction to VHDL	3
		EEL-4710L Introduction to VHDL Laboratory	1	EEL-4710L Introduction to VHDL Laboratory	1
		EEL-4742 Advanced Microprocessors	3	EEL-4742 Advanced Microprocessors	3
		EEL-4742L Advanced Microprocessors Laboratory	1	EEL-4742L Advanced Microprocessors Laboratory	1
		COP-3330 Object Oriented Programming	3	COP-3330 Object Oriented Programming	3
		<b>Semester Total</b>	<b>14</b>	<b>Semester Total</b>	<b>14</b>
3	Spring	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
		COP-3530 Data Structures	3	COP-3530 Data Structures	3
		EEL-4713 Computer Architecture and Organization	3	EEL-4713 Computer Architecture and Organization	3
		Humanities or Social Science Elective	3	Ethics or Humanities Elective	3
		<b>Semester Total</b>	<b>15</b>	<b>Semester Total</b>	<b>15</b>
4	Fall	EEL-4911C Senior Design Project I	3	EEL-4911C Senior Design Project I	3
		CpE Core Course I	3	CpE Core Course I	3
		CpE Core Course II	3	CpE Core Course II	3
		CpE Technical Elective I	3	CpE Technical Elective I	3
		CpE Technical Elective II	3	CpE Technical Elective II	3
		<b>Semester Total</b>	<b>15</b>	<b>Semester Total</b>	<b>15</b>
		4	Spring	EEL-4914C CpE Senior Design Project II	3
Humanities or Social Science Elective	3			Humanities or Social Science Elective	3
CpE Core Course III	3			CpE Core Course III	3
CpE or Non-CpE Technical Elective I	3			CpE or Non-CpE Technical Elective I	3
CpE or Non-CpE Technical Elective II	3			CpE or Non-CpE Technical Elective II	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>