

**Department of Electrical and Computer Engineering  
Four-Year Plan of Study (2012-2013 Catalog)**

FRESHMAN	FALL		SPRING	
	ENGL 101 Introduction to College Writing	3	ENGL 102 College Writing and Research	3
	MATH 170 Calculus I (DLM)	4	PHYS 211, 211L Physics I with Calculus and Lab	5
	UF 100 Intellectual Foundations	3	CompSci 125 Intro to Computer Science I	4
	CHEM 111, 111L General Chemistry I with Lab (DLN)	4	MATH 175 Calculus II	4
	ENGR 120 Introduction to Engineering (3 credits) or ENGR 130 Introduction to Engineering Applications (4 credits) (DLN)	3-4		
	<i>SEMESTER TOTAL</i>	<i>17-18</i>	<i>SEMESTER TOTAL</i>	<i>16</i>

SOPHOMORE	FALL		SPRING	
	ECE 210 Intro to Electric Circuits	3	CompSci 225 Intro to Computer Science II	4
	ECE 230, 230L Digital Systems and Lab	4	ECE 288 Sophomore Outcome Assessment	0
	PHYS 212, 212L Physics II with Calculus and Lab	5	ECE 212, 212L Circuit Analysis and Design with Lab	4
	MATH 333 Differential Equations	4	MATH 275 Multivariable and Vector Calculus	4
			ECE 330, 330L Microprocessors and Lab	4
	<i>SEMESTER TOTAL</i>	<i>16</i>	<i>SEMESTER TOTAL</i>	<i>16</i>

JUNIOR	FALL		SPRING	
	ENGL 202 Tech. Communications (DLS)	3	UF 200 Civil and Ethical Foundations	3
	ECE 300 Electromagnetic theory	3	ENGR 245 Introduction to Materials Science	3
	ECE 310, 310L Microelectronic Circuits and Lab	4	Technical Elective	3
	ECE 360 System Modeling and Control	3	ECE 350, 350L Signals and Systems and Lab	4
	MATH 360 Engineering Statistics (3 credits) or Math 361 Probability and Statistics (4 credits)	3-4	ECE 380,380L Electrical Engineering Practice (CID)	3
	<i>SEMESTER TOTAL</i>	<i>16-17</i>	<i>SEMESTER TOTAL</i>	<i>16</i>

SENIOR	FALL		SPRING	
	DLL, DLV or DLS course	3	DLL, DLV or DLS course	3
	DLL, DLV or DLS course	3	ECE 482 Senior Design II (Finishing Foundation)	3
	ECE 480 Senior Design I	3	ECE Elective	3
	ECE Elective	3	ECE Elective	3
	ECE Elective	3	Technical Elective	3
	<i>SEMESTER TOTAL</i>	<i>15</i>	<i>SEMESTER TOTAL</i>	<i>15</i>

**Total Program Credits      127**

**CID:** Communication in the Discipline  
**DLM:** Disciplinary Lens Mathematics  
**DLV:** Disciplinary Lens Visual and Performing Arts  
**FF:** Finishing Foundation (Senior-level Capstone Course)

**DLL:** Disciplinary Lens Literature and Humanities  
**DLN:** Disciplinary Lens Natural, Physical, and Applied Science  
**DLS:** Disciplinary Lens Social Sciences