

**Department of Electrical and Computer Engineering  
Four-Year Plan of Study (2015-2016 Catalog)**

FRESHMAN	FALL		SPRING	
	ENGL 101 Introduction to College Writing	3	ENGL 102 College Writing and Research	3
	MATH 170 Calculus I ( <b>DLM</b> )	4	MATH 175 Calculus II	4
	PHYS 211, 211L Physics I with Calculus and Lab	5	PHYS 212, 212L Physics II with Calculus and Lab	5
	ENGR 120 Introduction to Engineering (3 credits) or ENGR 130 Introduction to Engineering Applications (4 credits) ( <b>DLN</b> )	3-4	<b>UF 100</b> Intellectual Foundations	3
	<i>SEMESTER TOTAL</i>	<i>16-17</i>	<i>SEMESTER TOTAL</i>	<i>15</i>

SOPHOMORE	FALL		SPRING	
	ECE 210 Intro to Electric Circuits	3	ECE 212, 212L Circuit Analysis and Design with Lab	4
	COMPSCI 121 Intro to Computer Science I	4	ECE 230, 230L Digital Systems and Lab	4
	MATH 333 Differential Equations	4	MATH 275 Multivariable and Vector Calculus	4
	<b>UF 200</b> Civil and Ethical Foundations	3	CHEM 111, 111L General Chemistry I with Lab ( <b>DLN</b> )	4
	ENGL 202 Tech. Communications ( <b>DLS</b> )	3		
<i>SEMESTER TOTAL</i>	<i>17</i>	<i>SEMESTER TOTAL</i>	<i>16</i>	

JUNIOR	FALL		SPRING	
	ENGR 245 Introduction to Materials Science	3	ECE 380, 380L Electrical Engineering Practice ( <b>CID</b> )	3
	ECE 300 Electromagnetic theory	3	ECE 310, 310L Microelectronic Circuits and Lab	4
	ECE 330, 330L Microprocessors and Lab	4	ECE 350, 350L Signals and Systems and Lab	4
	ECE 360 System Modeling and Control	3	MATH 360 Engineering Statistics or MATH 361 Probability and Statistics	3
	COMPSCI 221 Intro to Computer Science II	3	<a href="#">DLS course</a>	3
<i>SEMESTER TOTAL</i>	<i>16</i>	<i>SEMESTER TOTAL</i>	<i>17</i>	

SENIOR	FALL		SPRING	
	ECE 480 Senior Design I	3	ECE 482 Senior Design II ( <b>FF</b> )	3
	ECE Elective	3	ECE Elective	3
	ECE Elective	3	ECE Elective	3
	<a href="#">Technical Elective</a>	3	<a href="#">Technical Elective</a>	3
	<a href="#">DLL Course</a>	3	<a href="#">DLV Course</a>	3
<i>SEMESTER TOTAL</i>	<i>15</i>	<i>SEMESTER TOTAL</i>	<i>15</i>	

**Total Program Credits      126-127**

**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