

**Department of Electrical and Computer Engineering  
Four-Year Plan of Study (2016-2017 Catalog)**

		FALL		SPRING	
<b>FRESHMAN</b>	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>	

		FALL		SPRING	
<b>SOPHOMORE</b>	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>	

		FALL		SPRING	
<b>JUNIOR</b>	MSE 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>	

		FALL		SPRING	
<b>SENIOR</b>	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

# Boise State University Electrical and Computer Engineering General Course Plan, 2016-2017

