

**Department of Electrical and Computer Engineering  
Four-Year Plan of Study (2014-2015 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	PHYS 211, 211L Physics I with Calculus and Lab	5
	UF 100 Intellectual Foundations	3	COMPSCI 121 Intro to Computer Science I	4
	CHEM 111, 111L General Chemistry I with Lab ( <b>DLN</b> )	4	MATH 175 Calculus II	4
	ENGR 120 Introduction to Engineering (3 credits) or ENGR 130 Introduction to Engineering Applications (4 credits) ( <b>DLN</b> )	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 221 Intro to Computer Science II	3
	ECE 230, 230L Digital Systems and Lab	4	ECE 212, 212L Circuit Analysis and Design with Lab	4
	PHYS 212, 212L Physics II with Calculus and Lab	5	ECE 330, 330L Microprocessors and Lab	4
	MATH 333 Differential Equations	4	MATH 275 Multivariable and Vector Calculus	4
	<i>SEMESTER TOTAL</i>	<i>16</i>	<i>SEMESTER TOTAL</i>	<i>15</i>

JUNIOR	FALL		SPRING	
	ENGL 202 Tech. Communications ( <b>DLS</b> )	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 ( <b>CID</b> )	3
	<i>SEMESTER TOTAL</i>	<i>16-17</i>	<i>SEMESTER TOTAL</i>	<i>16</i>

SENIOR	FALL		SPRING	
	DLL course	3	DLS course	3
	DLV course	3	ECE 482 Senior Design II ( <b>FF</b> )	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      126-128**

**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, 2013-2015

