

**Department of Electrical and Computer Engineering
Four-Year Plan of Study (2017-2018 Catalog)**

		FALL		SPRING	
FRESHMAN	ENGL 101 Introduction to College Writing	3	ENGL 102 College Writing and Research	3	
	MATH 170 Calculus I (DLM)	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) (DLN)	3-4	UF 100 Intellectual Foundations	3	
	<i>SEMESTER TOTAL</i>	<i>15-16</i>	<i>SEMESTER TOTAL</i>	<i>15</i>	

		FALL		SPRING	
SOPHOMORE	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	
	UF 200 Civil and Ethical Foundations	3	CHEM 111, 111L General Chemistry I with Lab (DLN)	4	
	ENGL 202 Tech. Communications (DLS)	3			
	<i>SEMESTER TOTAL</i>	<i>17</i>	<i>SEMESTER TOTAL</i>	<i>16</i>	

		FALL		SPRING	
JUNIOR	MSE 245 Introduction to Materials Science	3	ECE 380, 380L Electrical Engineering Practice (CID)	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	DLS course	3	
	<i>SEMESTER TOTAL</i>	<i>16</i>	<i>SEMESTER TOTAL</i>	<i>17</i>	

		FALL		SPRING	
SENIOR	ECE 480 Senior Design I	3	ECE 482 Senior Design II (FF)	3	
	ECE Elective	3	ECE Elective	3	
	ECE Elective	3	ECE Elective	3	
	Technical Elective	3	Technical Elective	3	
	DLL Course	3	DLV Course	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, 2017-2018

