

**Department of Electrical and Computer Engineering
Four-Year Plan of Study (2018-2019 Catalog)**

FRESHMAN	FALL		SPRING	
	ENGL 101 Introduction to College Writing (FW)	3	ENGL 102 College Writing and Research (FW)	3
	MATH 170 Calculus I (FM)	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) (FN)	3	UF 100 Foundations of Intellectual Life	3
	<i>SEMESTER TOTAL</i>	<i>15</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 and 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 Foundations of Ethics and Diversity	3	CHEM 111, 111L General Chemistry I and Lab (FN)	4
	ENGL 202 Tech. Communications (FS)	3		
<i>SEMESTER TOTAL</i>	<i>17</i>	<i>SEMESTER TOTAL</i>	<i>16</i>	

JUNIOR	FALL		SPRING	
	MSE 245 Introduction to Materials Science & Engineering	3	ECE 380, 380L Electrical Engineering Practice and Lab (FC)	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 I	3
	COMPSCI 221 Intro to Computer Science II	3	FS Course	3
<i>SEMESTER TOTAL</i>	<i>16</i>	<i>SEMESTER TOTAL</i>	<i>17</i>	

SENIOR	FALL		SPRING	
	ECE 480 Senior Design Project I	3	ECE 482 Senior Design Project II (FF)	3
	Upper-division ECE Elective	3	Upper-division ECE Elective	3
	Upper-division ECE Elective	3	Upper-division ECE Elective	3
	Technical Elective	3	Technical Elective	3
	FH Course	3-4	FA Course	3
<i>SEMESTER TOTAL</i>	<i>15-16</i>	<i>SEMESTER TOTAL</i>	<i>15</i>	

Total Program Credits 126-127

FA: Foundations of Arts
FC: Foundations of Oral Communication
FF: Finishing Foundations
FH: Foundations of Humanities

FM: Foundations of Mathematics
FN: Foundations of Natural, Physical, and Applied Science
FS: Foundations of Social Sciences
FW: Foundations of Writing

Boise State University Electrical and Computer Engineering General Course Plan, 2018-2019

