Department of Electrical and Computer Engineering
Four-Year Plan of Study

FRESHMAN

FALL		SPRING	
ENGL 101: English Composition	3	ENGL 102: English Composition	3
CHEM 111/L: General Chemistry I & Lab	4	PHYS 211/L: Physics with Calculus I & Lab	5
MATH 170: Calculus I	4	MATH 175: Calculus II	4
COMM 101: Fundamentals of Speech Communication	3	COMPSCI 125: Intro to Computer Science I	4
ENGR 120: Intro to Engineering	3		
Semester total	*17*	*Semester total*	*16*

SOPHOMORE

FALL		SPRING	
ECE 210: Intro to Electric Circuits	3	ECE 212/L: Circuit Analysis and Design & Lab (212/L)	4
PHYS 212/L: Physics with Calculus II & Lab	5	COMPSCI 225: Intro to Computer Science II	4
MATH 333: Differential Equations w/ Matrix Theory	4	MATH 275: Multivariable & Vector Calculus	4
ECE 230/L: Digital Systems & Lab	4	ECE 330/L: Microprocessors & Lab (330/L)	4
		ECE 288: Sophomore Outcome Assessment	0
Semester total	*16*	*Semester total*	*16*

JUNIOR

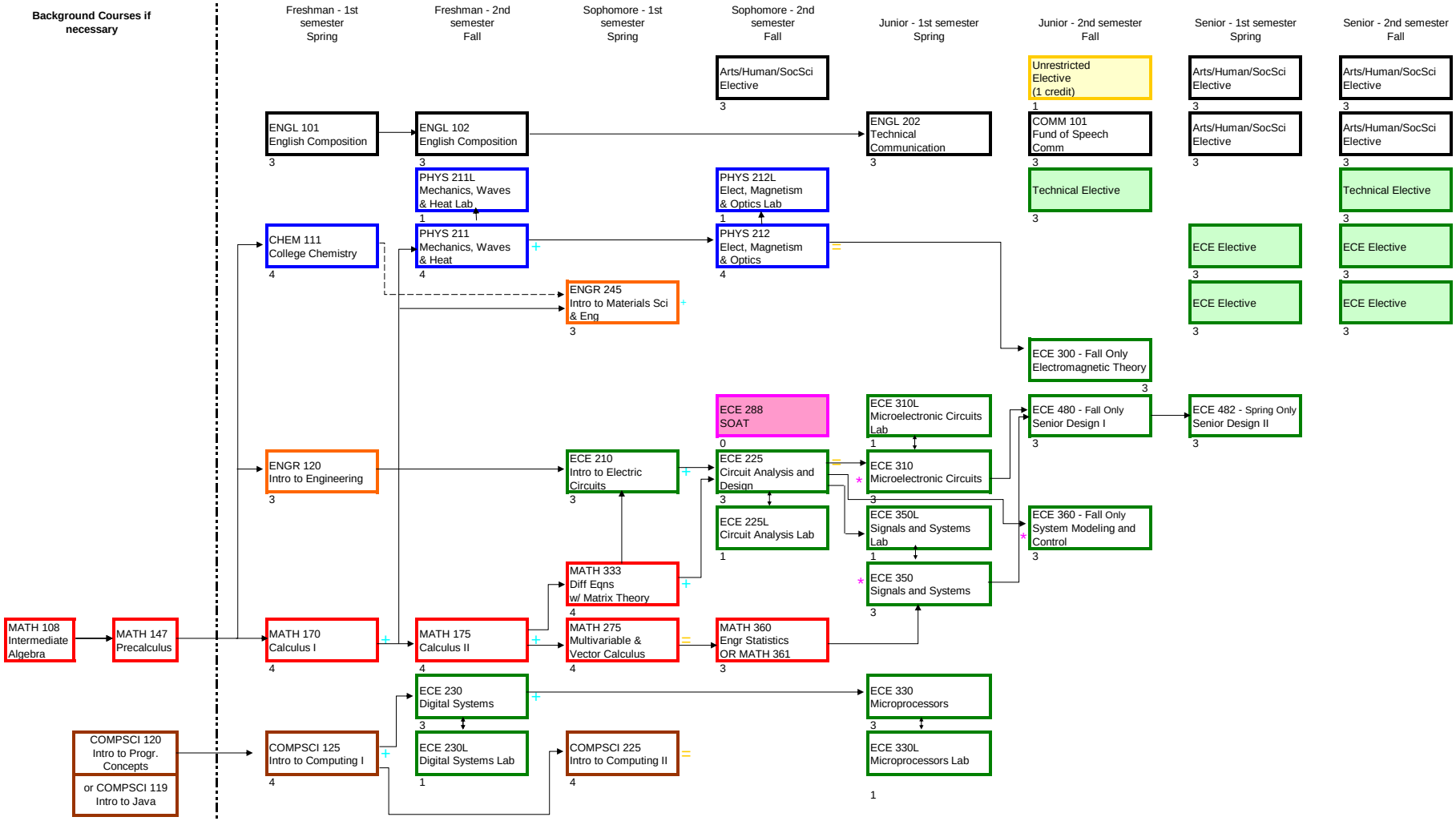
FALL		SPRING	
ECE 310/L: Microelectronic Circuits & Lab (322/L)	4	MATH 360: Engineering Statistics –or– MATH 361: Probability and Statistics I	3
ENGL 202: Technical Communication	3	ENGR 245 Intro to Materials Science and Engineering	3
Art/Humanities/Social Science Elective	3	Arts/Humanities/Social Science Elective	3
ECE 360: System Modeling and Control	3	ECE 350/L: Signals and Systems & Lab	4
ECE 300: Electromagnetic Theory (390)	3	ECE Elective	3
Semester total	*16*	*Semester total*	*16*

SENIOR

FALL		SPRING	
Arts/Humanities/Social Science Elective	3	Arts/Humanities/Social Science Elective	3
Technical Elective	3	Arts/Humanities/Social Science Elective	3
ECE Elective	3	Technical Elective	3
ECE Elective	3	ECE Elective	3
ECE 480: Senior Design I	3	ECE 482: Senior Design II	3
Unrestricted Elective	1		
Semester total	*16*	*Semester total*	*15*

Total Program Credits ***128***

Boise State University
Electrical Engineering General Course Plan
2011-2012 Curriculum
(off track plan)



Technical Electives:

ENGR 210 Engineering Statics
ENGR 220 Engineering Dynamics
ENGR 320 Thermodynamics
ENGR 330 Fluid Mechanics
ENGR 350 Engineering Mechanics of Materials
ENGR 360 Engineering Economy

MATH 301 Linear Algebra
MATH 326 Complex Analysis
MATH 3xx or 4xx mathematics courses
CHEM 112 College Chemistry II
CHEM 3xx or 4xx Chemistry courses *

COMPSCI 342 Data Structures and Algorithms
COMPSCI 3xx or 4xx Computer Science courses *
MSE 3xx or 4xx Materials courses *
PHYS 3xx or 4xx Physics courses *
ME 3xx or 4xx Mechanical Engineering course *
* With advisor approval

GENBUS 202 The Elgal Environment of Business
GENBUS 441 Business, Government, and Society
MGMT 301 Leadership Skills
MGMT 410 Advanced Management Topics

or any EE Elective

3/12/2012