

# IDAHO STATE UNIVERSITY ELECTRICAL ENGINEERING

## 121 credits: 2019-2020 Undergraduate Catalog Sample 4-year Plan of Study

This SAMPLE is merely one example of how a 4-year Plan of Study might be constructed. Courses may be re-arranged to meet individual needs; however, all pre- and co-requisite requirements must be satisfied in any case. EE students *must* consult with their major Advisor *each semester* in order to keep informed about any program changes and to complete the registration process.

**IF YOU DO NOT HAVE AN ELECTRICAL ENGINEERING ADVISOR,  
PLEASE CONTACT DR. CHIU OR DR. STUFFLE TO HAVE ONE ASSIGNED.**

### FIRST YEAR

Fall – 14 credits			Spring – 18 credits		
ENGL 1101	Writing and Rhetoric I (Objective 1)	3 cr.	ENGL 1102	Writing and Rhetoric II (Objective 1)	3 cr.
MATH 1170	Calculus I (Objective 3)	4 cr.	COMM 1101	Fundamentals of Oral Communication (Objective 2)	3 cr.
General Education	(Objective 4)	3 cr.	CHEM 1111	General Chemistry I (Objective 5)	4 cr.
CS 1181	Computer Science and Programming I (Objective 7)	3 cr.	CHEM 1111L	General Chemistry I Lab (Objective 5)	1 cr.
EE 1101	Electrical Engineering and Society	1 cr.	MATH 1175	Calculus II	4 cr.
			MATH 2240	Linear Algebra	3 cr.

### SECOND YEAR

Fall – 16 credits			Spring – 14 credits		
PHYS 2211	Engineering Physics I (Objective 5)	4 cr.	General Education	(Objective 6)	3 cr.
MATH 2275	Calculus III	4 cr.	General Education	(Objective 6)	3 cr.
EE 2240	Electrical Circuits I	3 cr.	PHYS 2212	Engineering Physics II (Objective 5)	4 cr.
EE 2240L	Electrical Circuits I Lab	1 cr.	EE 3340	Electrical Circuits II	3 cr.
EE 2274	Introduction to Digital Systems	3 cr.	EE 3340L	Electrical Circuits II Lab	1 cr.
EE 2274L	Introduction to Digital Systems Lab	1 cr.			

### THIRD YEAR

Fall – 15 credits			Spring – 12 credits		
ENGL 3307	Professional and Technical Writing	3 cr.	General Education	(Objective 4)	3 cr.
MATH 3360	Differential Equations	3 cr.	General Education	(Objective 9)	3 cr.
EE 3325	Electromagnetics	3 cr.	EE 3329	Introduction to Electronics	3 cr.
EE 3345	Signals and Systems	3 cr.	EE 4416	Applied Engineering Methods	3 cr.
EE 3301	Software Methodology and Tools for EE	3 cr.			

### FOURTH YEAR

Fall – 14 credits			Spring – 18 credits		
EE 4426	Computer Architecture and Organization	3 cr.	EE 4418	Communication Systems	3 cr.
EE 4429	Advanced Electronics	3 cr.	EE 4427	Embedded Systems Engineering	2 cr.
EE 4429L	Advanced Electronics Lab	1 cr.	EE 4427L	Embedded Systems Engineering Lab	1 cr.
EE 4495	Senior Seminar	3 cr.	EE 4473	Automatic Control Systems	3 cr.
EE 4472	Electrical Machines and Power	3 cr.	EE 4475	Digital Signal Processing	3 cr.
EE 4472L	Electrical Machines and Power Lab	1 cr.	EE 4496	Project Design	3 cr.
			EE Elective		3 cr.

Electives should be chosen in consultation with your advisor.