

IDAHO STATE UNIVERSITY ELECTRICAL ENGINEERING ACADEMIC PLANNING FORM 2019-2020 UNDERGRADUATE CATALOG

Students must consult with their major advisor *each semester* as part of the registration process.

STUDENT INFORMATION	
Name	
Bengal ID#	
Telephone	
Email	
Street Address	
Apartment #	
City, State Zip	

EE ELECTIVES:

Consult with your advisor when choosing electives, as there may be other new or special courses to choose from.

The following courses are pre-approved for use as EE Electives. (Note that non-EE courses may have prerequisites that are not part of the EE program.)

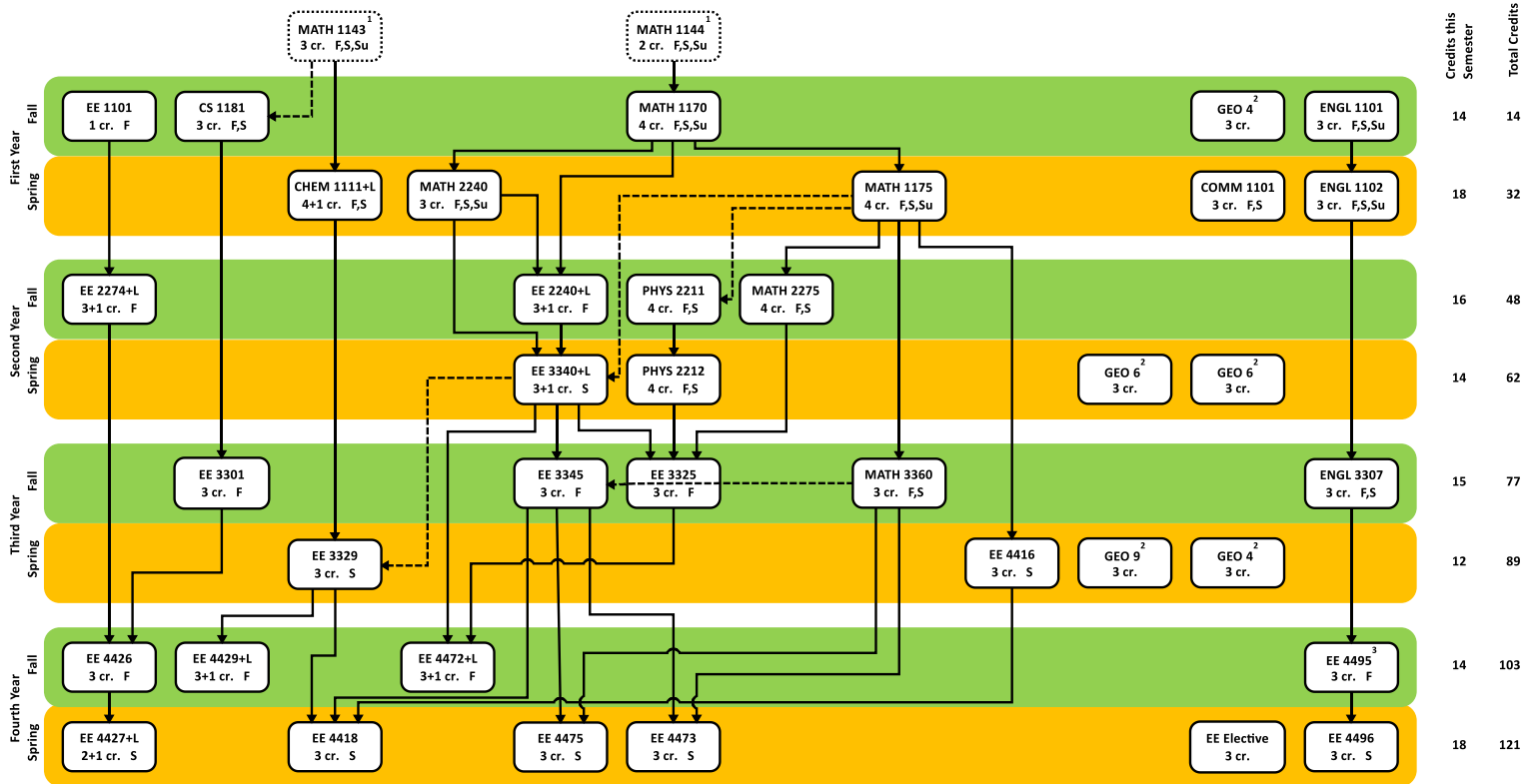
EE 4432	Introduction to VLSI Systems	3 cr.
EE 4433	Mixed Signal Design and Synthesis	3 cr.
EE 4474	Advanced Circuit Theory	3 cr.
EE 4476	Semiconductor Processing and Fabrication	3 cr.
EE 4478	Semiconductor Devices	3 cr.
EE 4479	Advanced Semiconductor Devices	3 cr.
EE 4482	Principles of Power Electronics	3 cr.
EE 4491	Digital Control Systems	3 cr.
ME 4405/6	Measurement Systems Design/Lab	4 cr.
ME 4425	Mechatronics	3 cr.

Course Number	Course Title	Sem. Taken	Credits	Grade
GENERAL EDUCATION OBJECTIVE REQUIREMENTS				
1	ENGL 1101	Writing and Rhetoric I	3	
	ENGL 1102	Writing and Rhetoric II	3	
2	COMM 1101	Fundamentals of Oral Communication	3	
3	MATH 1170	Calculus I	4	
4			3	
			3	
5	CHEM 1111	General Chemistry I	4	
	CHEM 1111L	General Chemistry I Lab	1	
	PHYS 2211	Engineering Physics I	4	
	PHYS 2212	Engineering Physics II	4	
6			3	
			3	
7/8	CS 1181	Computer Science and Programming I	3	
9			3	
ADDITIONAL MATHEMATICS				
	MATH 1175	Calculus II	4	
	MATH 2240	Linear Algebra	3	
	MATH 2275	Calculus III	4	
	MATH 3360	Differential Equations	3	
ADDITIONAL ENGLISH				
	ENGL 3307	Professional and Technical Writing	3	
ELECTRICAL ENGINEERING				
	EE 1101	Electrical Engineering and Society	1	
	EE 2240	Electrical Circuits I	3	
	EE 2240L	Electrical Circuits I Lab	1	
	EE 2274	Introduction to Digital Systems	3	
	EE 2274L	Introduction to Digital Systems Lab	1	
	EE 3301	Software Methodology & Tools for EE	3	
	EE 3325	Electromagnetics	3	
	EE 3329	Introduction to Electronics	3	
	EE 3340	Electrical Circuits II	3	
	EE 3340L	Electrical Circuits II Lab	1	
	EE 3345	Signals and Systems	3	
	EE 4416	Applied Engineering Methods	3	
	EE 4418	Communication Systems	3	
	EE 4426	Computer Architecture & Organization	3	
	EE 4427	Embedded Systems Engineering	2	
	EE 4427L	Embedded Systems Engineering Lab	1	
	EE 4429	Advanced Electronics	3	
	EE 4429L	Advanced Electronics Lab	1	
	EE 4472	Electrical Machines and Power	3	
	EE 4472L	Electrical Machines and Power Lab	1	
	EE 4473	Automatic Control Systems	3	
	EE 4475	Digital Signal Processing	3	
	EE 4495	Senior Seminar	3	
	EE 4496	Project Design	3	
	EE Elective		3	

Assigned Advisor: _____

IDAHO STATE UNIVERSITY ELECTRICAL ENGINEERING

121 credits: 2019-2020 Undergraduate Catalog



— Solid arrows indicate prerequisites. —
- - - Dashed arrows indicate corequisites. - - -

¹ These courses may be required for students needing remedial math to prepare for calculus.
² Courses pre-approved for meeting General Education Objectives are listed below.
³ Instructor permission required. (Includes successful completion of ALL EE core courses numbered below 4000.)

The four-year schedule shown above is for example purposes only. Courses may be arranged to meet individual needs; but prerequisites and corequisites must be satisfied in all cases.

GENERAL EDUCATION COURSES:

- Objective 1:** Satisfied with ENGL 1101 and ENGL 1102 (must obtain a minimum grade of C-)
- Objective 2:** Satisfied with COMM 1101
- Objective 3:** Satisfied with MATH 1170
- Objective 4:** Two of the following, selected from different categories (Humanities, Fine Arts, or Foreign Language):
 - Humanities: ENGL 1115, 1126, 1175, 2257, 2258; HONS 1102; PHIL 1101, 1103
 - Fine Arts: ART 1100, 1101, 1102, 2210; DANC 1105, 2205; MUSI 1100, 1105, 1106, 1108, 1109; THEA 1101
 - Foreign Language: ARBC/CHNS/FREN/GERM/JAPN/LANG/LATN/RUSS/SHOS/SPAN 1101 or 1102; CSD 1151/L or 1152/L
- Objective 5:** Satisfied with CHEM 1111 & 1111L, PHYS 2211 & PHYS 2212
- Objective 6:** Two of the following, selected from different prefixes: ANTH 1100, 1102; ECON 1100, 2201, 2202; HIST 1101, 1102, 1105, 1106, 1111, 1112; GLOB 2203; POLS 1101; PSYC 1101; SOC 1101, 1102
- Objective 7:** Satisfied with CS 1181
- Objective 8:** Not required if Objective 7 is met
- Objective 9:** One of the following: ANTH 2212, 2237, 2238, 2239; CMLT 2207, 2208, 2209; CSD 2210, 2256; EDUC 2204; ENGL 2210; HIST 2201, 2251, 2252, 2254, 2255; GLOB 2270; PHIL 2210; SOC 2201; ARBC/CHNS/FREN/GERM/JAPN/LATN/RUSS/SHOS/SPAN 2201 or 2202