

BS in Electrical Engineering (445)

Catalog Year
2013 - 2014

General Information:

Academic Advising has provided a **recommended graduation plan** for every major we offer.

- This plan is built to meet the University's minimum credit requirement (120 credits for a bachelor's degree and 60 for an associate) in 8 semesters or less. Each plan includes all required courses, including Foundations and major as well as emphasis, minor or clusters (if applicable). The plan may also include elective courses to meet the credit requirement.
- Please note the following terms: Groups = A term used on the Degree Audit to reference a required group of classes that may be pre-selected or from which you can choose; General Elective = any course offering at BYU-Idaho which you are eligible to take; Major Elective = a required course from a list of multiple course options within your major. (A certain number of "major electives" may be required for your major, but you can select which course to choose from the given list.)

Semester 1	Credits	Semester 2	Credits	Semester 3	Credits	Semester 4	Credits
CS 124	3	CS 165	3	CS 235	3	CS 237	3
* FDMAT 112	4	ECEN 160	3	ECEN 260	3	ECEN 250	3
ECEN 150	3	MATH 215	4	CHEM 105	4	MATH 316	4
FDENG 101	3	PH 121	3	FDAMF 101	3	FDENG 201	3
FDREL 121 or 122	2	FDREL 121 or 122	2	** FDSCI 101	2	FDREL 200	2
Total Credits	15	Total Credits	15	Total Credits	15	Total Credits	15

Winter	Credits	Spring	Credits	Fall	Credits	Winter	Credits
ECEN 350	3	CS 308	2	# ECEN 398R	1-3	Take one course:	3
## Supplemental Course	3	MATH 330	3			ECEN 440	
ECEN 340	3	## Supplemental Course	3			ECEN 470	
ECEN 380	3	*** Cultural Awareness	3			ECEN 480	
*** Cultural Awareness	2	* Take one:	1-3			ECEN 390	3
FDREL Scripture-based	2	FDMAT 108 (3 cr)				***Math/Sci Elective	3-4
		FDREL 108T (1 cr)				PH 220	3
		FDREL Scripture-based	2			FDREL Elective	2
Total Credits	16	Total Credits	14-16	Total Credits	1-3	Total Credits	14-15

Spring	Credits
## Supplemental Course	3
## Supplemental Course	3
ECEN 499	3
FDCNC 350	2
^General Elective	2
FDREL Elective	2
Total Credits	15

Special Instructions

- ~ Electrical Engineering is a Specialized major; no minor or clusters are allowed.
- * Students will need to either take FDMAT 108-Mathematical Tools for the Real World (3 cr) or FDMAT 108T-Math for the Real World Test (1 cr) to complete the Quantitative Reasoning Requirement for Foundations. The prerequisite for FDMAT 108T will be the successful completion of any FDMAT course. Please see the Math homepage for more information on the Quantitative Reasoning requirement (<http://www.byui.edu/mathematics/fdmat108/fdmat108t-%28test-out%29>). The Electrical Engineering department recommends that students majoring in EE take FDMAT 112-Calculus their first semester as it is a prerequisite for many other courses.
- ** Students are recommended to complete OPTION A under the Foundations Science Requirements.
- *** Complete FDCA 201-206 if FDCA 101 was previously taken; complete FDWLD 201 if FDWLD 101 was taken.
- # ECEN 398R - Internship recommended to be taken during your off-track semester before your senior year.
- ## Supplemental Courses: Take 4 courses ECEN 324, 420, 430, 440, 450, 460, 470, 480, 490, ME 310.
- ### Math and Science Elective: Choose one BIO 221, 240, 264&264L, CHEM 106, 351, CS 238, MATH 341, 411, 423, PH 123, 127.
- ^Take only if total credits are under 120.