

## BS in Electrical Engineering (445)

Catalog Year  
2010 - 2011

**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 224	3	ECEN 250	4	ECEN 350	3
ECEN 150	3	MATH 215	4	MATH 316	4	ECEN 380	3
FDENG 101	3	FDSCI 101	2	FDAMF 101	3	PH 121	3
FDREL 121 or 122	2	FDREL 121 or 122	2	FDSCI Issues	2	FDENG 201	3
						FDREL 200	2
<b>Total Credits</b>	<b>15</b>	<b>Total Credits</b>	<b>14</b>	<b>Total Credits</b>	<b>16</b>	<b>Total Credits</b>	<b>17</b>

Semester 5	Credits	Semester 6	Credits	Off-Track	Credits	Semester 7	Credits
CS 308	2	ECEN 390	3	**ECEN 398	1-3	^Supplemental Courses	3
ECEN 340	3	Take one course:	3			^Supplemental Courses	3
ECEN 360	3	ECEN 420				^Supplemental Courses	3
*FDMAT 224	3	ECEN 430				FDSCI Issues	3
FDHUM or FDWLD	2-3	ECEN 470				FDREL Scriptures	2
FDREL Scriptures	2	PH 220	3				
		*Take one:	1-3				
		FDMAT 108 (3 cr)					
		FDMAT 108T (1 cr)					
		FDREL Scriptures	2				
		#FDINT or FDWLD	2-3				
<b>Total Credits</b>	<b>15-16</b>	<b>Total Credits</b>	<b>14-17</b>	<b>Total Credits</b>	<b>1-3</b>	<b>Total Credits</b>	<b>14</b>

Semester 8	Credits
^Supplemental Courses	3
^Supplemental Courses	3
ECEN 499	3
FDCNC 250	2
FDREL Elective	2
^^General Elective	2
<b>Total Credits</b>	<b>15</b>

**Special Instructions**

~Computer 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. The Computer Science department recommends that students majoring in CompE choose FDMAT 112-Calculus as the prerequisite (FDMAT 112 is a prerequisite for Math 113) and take FDMAT 108T. However, since there is a significant statistical element to FDMAT 108T, students may want to wait until completing FDMAT 224 before taking FDMAT 108T. Please see the Math homepage for more information on the Quantitative Reasoning requirement (<http://www.byui.edu/MATH/Foundations/foundations.htm>).

\*\*ECEN 398 - Internship recommended to be taken during your off-track semester before your senior year.

^Supplemental Courses: Take 5 courses from CHEM 105, ECEN 324, 420, 430, 440, 450, 460, 470, 480, 490. No double counting of Major Courses, minimum of 78 credits.

#Complete FDINT 201-203 if a FDHUM course was previously taken; complete FDWLD 201 if FDWLD 101 was taken.

^^Take only if total credits are under 120.