BYU IDAHO | Career & Academic Advising

BS in Computer Engineering (450)

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
CS 124	3
* FDMAT 112	4
ECEN 150	3
FDENG 101	3
FDREL 121 or 122	2
Total Credits	**15**

Semester 2	Credits
CS 165	3
ECEN 160	3
MATH 215	4
PH 121	3
FDREL 121 or 122	2
Total Credits	**15**

Semester 3	Credits
CS 235	3
ECEN 260	3
CHEM 105	4
FDAMF 101	3
** FDSCI 101	2
Total Credits	**15**

Semester 4	Credits
CS 237	3
ECEN 250	3
MATH 316	4
FDENG 201	3
FDREL 200	2
Total Credits	**15**

Semester 5	Credits
ECEN 350	3
ECEN 460	3
ECEN 340	3
* Take one:	1-3
FDMAT 108 (3 cr)	
FDMAT 108T (1 cr)	
*** Cultural Awareness	2
FDREL Scripture-based	2
Total Credits	**15-17**

Semester 6	Credits
CS 308	2
ECEN 324	3
####Technical Elective	3
MATH 330	3
*** Cultural Awareness	3
FDREL Scripture-based	2
Total Credits	**16**

Semester 7	Credits
# ECEN 398R	1-3
Total Credits	**1-3**

Semester 8	Credits
####Technical Elective	3
ECEN 390	3
Take one course:	3
ECEN 440	
ECEN 450	
ECEN 480	
PH 220	3
FDREL Elective	2
Total Credits	**14**

Semester 9	Credits
##Supplemental Courses	3
### Math/Sci Elective	3-4
ECEN 499	3
FDCNC 350	2
^General Elective	2
FDREL Elective	2
Total Credits	**13-16**

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. Since there is a significant statistical element to FDMAT 108T, students may want to wait until completing MATH 330 before taking FDMAT 108T. Please see the Math homepage for more information on the Quantitative Reasoning requirement edu/mathematics/fdmat108/fdmat108t-%28test-out%29).

** 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: Choose 1 course ECEN 380, 420, 430, 440, 450, 460, 470, 480, 490, CS 246, 313, 345, 364, 371, 416, 432, 460, 470, 480, 490R. No double counting of Major Courses, minimum of 79 credits

Math and Science Elective: Choose one BIO 221, 240, 264&264L, CHEM 106, 351, CS 238, MATH 341, 411, 423, PH 123, 127.

Technical Electives: choose two of the following ECEN 380, 420, 430, 440, 450, 470, 480, 490

^Take only if total credits are under 120.