

BS in Mechanical Engineering (470)

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
ME 101	1	ME 142	3	ME 202	3	ME 250 L	1
ME 172	3	ME 201	2	ME 204	3	ME 250	3
PH 121	3	CHEM 105	4	ME 231	3	ME 280	3
* FDMAT 112	4	ME 210	2	MATH 215	4	MATH 316	4
** FDSCI 101	2	FDENG 101	3	FDREL 200	2	### ME Competency Exam	0
FDREL 121 or 122	2	FDREL 121 or 122	2			FDENG 201	3
						FDREL Scripture-based	2
Total Credits	15	Total Credits	16	Total Credits	15	Total Credits	16
Semester 5	Credits	Semester 6	Credits	Semester 7	Credits	Semester 8	Credits
ME 310	2	ME 360	3	MATH 330	3	ME 423	3
ME 322	3	ME 380	3	ME 480	3	# ME Emphasis Elective	3
ME 370	3	# ME Emphasis Elective	3	# ME Emphasis Elective	3	# ME Emphasis Elective	3
## Take one:	1	## Take one:	1	*** Cultural Awareness	2	*** Cultural Awareness	3
ME 299 (1 cr)		ME 299 (1 cr)		FDCNC 350	2	FDREL Elective	2
ME 398 (1 cr)		ME 398 (1 cr)		FDREL Elective	2		
ME 490 (1 cr)		ME 490 (1 cr)					
PH 223	4	* FDMAT 108T	1				
FDREL Scripture-based	2	FDAMF 101	3				
Total Credits	15	Total Credits	14	Total Credits	15	Total Credits	14

Special Instructions

~ Mechanical Engineering is a Specialized major; no minor or clusters allowed.

* Students will need to take either 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 Mechanical Engineering department recommends that students majoring in ME choose FDMAT 112-Calculus as the prerequisite (FDMAT 112 is a prerequisite for ME 201) and take FDMAT 108T. Please see the Math homepage for more information on the Quantitative Reasoning requirement (<http://www.byui.edu/mathematics/fdmat108/fdmat108t-%28test-out%29>).

** It is recommended that students choose Option C to complete their Science Foundations requirement, which would be completed with FDSCI 101, CHEM 105, and PH 223.

*** Complete either FDCA 201-206 if FDCA 101 course was previously taken; or complete FDWLD 201 if FDWLD 101 was taken.

See catalog for Emphasis courses.

Two of three courses required. Students are encouraged to complete an internship (ME 398) during their off-track as part of their 7 credits of Technical Electives.

Competency Exam must be successfully completed prior to registering for upper division courses.