

BS in Mechanical Engineering (470)

Catalog Year
2016 - 2017

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.

Semester 1	Credits	Semester 2	Credits	Semester 3	Credits	Semester 4	Credits
ME 101	1	ME 142	3	ME 202	3	ME 250	3
ME 172	3	ME 201	3	ME 204	3	ME 250L	3
FDMAT 112	4	CHEM 105	4	ME 231	2	ME 280	1
PH 121	3	FDENG 101	3	ME 231L	1	PH 223	4
~FDSCI 101	2	FDREL 225	2	MATH 215	4	FDENG 301	3
FDREL 200	2			FDREL 250	2	FDREL 275	2
						*ME Competency Exam	
Total Credits	15	Total Credits	15	Total Credits	15	Total Credits	16

Semester 5	Credits	Semester 6	Credits	Off-Track	Credits	Semester 7	Credits
ME 305	3	ME 310	3	#ME 398R	1	ME 342	3
ME 322	3	ME 360	3			**ME Emphasis Elective	3
ME 370	3	ME 380	3			MATH 330	3
MATH 316	4	#ME 299 or ME 490R	1			Cultural Awareness	3
Elective	2	FDAMF 101 or FDCIV 101	3			FDREL Elective	2
		FDREL Elective	2				
Total Credits	15	Total Credits	15	Total Credits	1	Total Credits	14

Semester 8	Credits
ME 423	3
ME 480	3
**ME Emphasis Elective	3
Cultural Awareness	3
FDREL Elective	2
Total Credits	14

Special Instructions

~Students will complete the FDSCI Option C requirement. This will be completed with FDSCI 101, CHEM 105, and Physics and ME courses as part of the major.

*Passing the Competency Exam is required before you will be allowed to take any 300 level Mechanical Engineering courses. The exam covers the foundational engineering topics taught in ME 201 (Statics), ME 202 (Strength of Materials), and ME 204 (Dynamics). See the department secretary for details.

**Six credits of engineering electives are required. Students can choose an area of emphasis from the options listed in the catalog. The general emphasis area allows students to choose any of the engineering electives that suit their interest. Engineering electives are not taught every semester and so students should plan accordingly (see the BYU-I Mechanical Engineering web site for the schedule of when courses are offered).

#Two experiential credits are required for graduation. There are three experiential options available: ME 299 (Mentorship -- usually done while on-track); ME 398R (Internship -- usually done while off-track); and ME 490R (Special Project -- usually done while on-track). It is advisable to obtain employment every time you are off-track. If the employment is engineering related it can count for internship credit if approved in advance. See the ME department internship coordinator for details.