

# *Mechanical Engineering (2012-13)*

**Below is the *advised sequencing* of courses for this degree,  
the official degree requirements are found in the University General Catalog.**

FRESHMAN YEAR				SOPHOMORE YEAR			
First Semester		Second Semester		First Semester		Second Semester	
Course	Units	Course	Units	Course	Units	Course	Units
ENGR 102	3	MATH 129	3	ABE 221	3	AME 250	3
MATH 125 or 122A/B <sup>#</sup>	3/5	CHEM 152**	**4	CE 214	3	AME 230	3
CHEM 151	4	PHYS 141	4	MATH 223	4	ECE 207	3
ENGL 101	3	ENGL 102	3	PHYS 241	4	MATH 254	3
Tier 1 INDV*	3	Tier 1 INDV*	3	Tier 1 TRAD*	3	Tier 1 TRAD*	3
TOTAL	16/18	TOTAL	16	TOTAL	17	TOTAL	15

JUNIOR YEAR				SENIOR YEAR			
First Semester		Second Semester		First Semester		Second Semester	
Course	Units	Course	Units	Course	Units	Course	Units
AME 301	3	AME 300	3	AME 400	2	ENGR 498B	3
AME 324A or CE 215	3	AME 302	4	ENGR 498A	3	AME 413B	1
AME 331	3	AME 324B	3	AME 413A	1	AME 455	3
AME 352	3	MSE 331R	3	AME 432	3	Tech Elect***	9
Tier 2 INDV*	3	AME 324L	1	AME 495s	1		
		Tier 2 Art/Hum*	3	Tech Elect***	6		
TOTAL	15	TOTAL	17	TOTAL	16	TOTAL	16

TOTAL UNITS = 128

# MATH 122A/B is a 5 unit version of MATH 125. Students taking MATH 122A/B should consider delaying the Tier 1 INDV course to maintain a reasonable academic load.

\* INDV/TRAD/Art/Hum courses must meet University general education requirements. One course must be recognized by the University as focusing on gender, race, class, ethnicity, sexual orientation or non-western area of studies. TRAD 101 satisfies this requirement.

\*\* Dept. utilizes only 3 units; Students may elect to take MSE 110 (4 units) in place of Chem 152.

\*\*\* At least 9 units of the technical electives must be taken in AME (exclusive of independent study which can at most total 3 units). Listings of acceptable technical electives are available from advisors.