

# Aerospace Engineering (2011-12)

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	CE 214	3	AME 230	3
MATH 125 or 124#	3/5	CHEM 152**	**4	MATH 223	4	AME 250	3
CHEM 151	4	PHYS 141	4	PHYS 241	4	ECE 207	3
ENGL 101	3	ENGL 102	3	Tier 1 TRAD*	3	MATH 254	3
Tier 1 INDV*	3	Tier 1 INDV*	3	Tier 2 INDV*	3	Tier 1 TRAD*	3
						Tier 2 Art/Hum*	3
TOTAL	16/18	TOTAL	16	TOTAL	17	TOTAL	18

JUNIOR YEAR				SENIOR YEAR			
First Semester		Second Semester		First Semester		Second Semester	
Course	Units	Course	Units	Course	Units	Course	Units
AME 300	3	AME 302	4	AME 420A	2	AME 401	1
AME 301	3	AME 320	3	AME 424	3	AME 413A	1
AME 324A	3	AME 321	3	AME 425	3	AME 413B	1
AME 331	3	AME 323	3	AME 427	3	AME 422A or	2
MSE 331R	3	AME 324B	3	Tech Elect***	3	AME 428A	
AME 324L	1			AME 495s	1	AME 455	3
						AME 463	3
						Tech Elect***	3
TOTAL	16	TOTAL	16	TOTAL	15	TOTAL	14

TOTAL UNITS = 128

# MATH 124 is a 5 unit version of MATH 125. Students taking MATH 124 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.

\*\*\*Technical electives are 400 level AME courses chosen by the student in consultation with a faculty advisor. Students are strongly encouraged to take at least one technical elective course with design content. At least 3 units of the technical electives must be taken in AME and must be 400 level electives.