

Aerospace 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	CE 214	3	AME 230	3
MATH 125 or 122A/B#	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 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.

***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.