

Engineering Mathematics (2004-05)

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
MATH 125#	3	MATH 129	3	MATH 223	4	MATH 215	3
ENGR 102	3	CHEM 103b	3	ENGR 170	3	MATH 254	3
CHEM 103a	3	CHEM 104b	1	CE 214	3	ECE 207	3
CHEM 104a	1	PHYS 141	4	PHYS 241	4	SIE 270	3
ENGL 101	3	ENGL 102	3	Tier 1 TRAD*	3	PHYS 142	3
Tier 1 INDV*	3	Tier 1 INDV*	3				
TOTAL	16	TOTAL	17	TOTAL	17	TOTAL	15

Advanced standing is required for 3/400 level courses taught by the College

JUNIOR YEAR				SENIOR YEAR			
First Semester		Second Semester		First Semester		Second Semester	
Course	Units	Course	Units	Course	Units	Course	Units
MATH 422	3	MATH 456	3	MATH 421	3	MATH 475b	3
AME 230	3	AME 331	3	MATH 475a	3	MATH 485	3
AME 250	3	SIE 330R,L	3,1	Tech Elect**	7	Tech Elect**	9
SIE 305	3	SIE 370	4	Tier 2 Art/Hum*	3		
Tier 1 TRAD*	3	Tier 2 INDV*	3				
TOTAL	15	TOTAL	17	TOTAL	16	TOTAL	15

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 non-western culture, race, gender or ethnicity. TRAD 101 satisfies this requirement.

** Technical electives: 16 units to be chosen in consultation with an advisor. Listings of acceptable technical electives are available from advisors.