

## *Engineering Mathematics (2007 - 08)*

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	SIE 270	3
CHEM 103a	3	CHEM 104b	1	CE 214	3	PHYS 241	4
CHEM 104a	1	PHYS 141	4	PHYS 142	3	AME 250	3
ENGL 101	3	ENGL 102	3	MATH 254	3	Tier 1 TRAD	3
Tier 1 INDV*	3	Tier 1 INDV*	3				
TOTAL	16	TOTAL	17	TOTAL	16	TOTAL	16

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
ECE 207	3	AME 230	3	MATH 475a	3	MATH 485	3
SIE 305	3	SIE 330R,L	3,1	AME 331	3	Tech Elect**	9
TECH ELECTIVE	3	SIE 370	4	Tech Elect**	4		
Tier 1 TRAD*	3	Tier 2 INDV*	3	Tier 2 Art/Hum*	3		
TOTAL	15	TOTAL	17	TOTAL	16	TOTAL	15

TOTAL UNITS = 128

\* 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.

