Systems 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	ECE 175	3	SIE 250	3	SIE 265	3
MATH 125 or 122A/B#	3/5	CHEM 152		SIE 277	3	SIE 270	3
		or MSE 110		MATH 223	4	SIE 295S	1
CHEM 151	4	or MCB 181R/L	4	PHYS 241	4	MATH 254	3
ENGL 101	3	MATH 129	3	Tier 1 INDV*	3	Tech Elect**	3
Tier 1 INDV*	3	PHYS 141	4			Tier 1 TRAD*	3
		ENGL 102	3				
TOTAL	16/18	TOTAL	17	TOTAL	17	TOTAL	16

JUNIOR YEAR				SENIOR YEAR			
First Semester		**Second Semester**		**First Semester**		**Second Semester**	
Course	**Units**	**Course**	**Units**	**Course**	**Units**	**Course**	**Units**
SIE 305	3	SIE 321	3	SIE 410A	3	ENGR 498B	3
SIE 340	3	SIE 330R	3	SIE 431	3	Tech Elect**	3
ECE 207	3	Tech Elect**	3	Tech Elect**	3	Tier 2 INDV*	3
Tech Elect**	3	SIE 370	4	SIE 454A	3	Tier 2 Art/Hum*	3
ENGL 308	3	Tech Elect**	3	ENGR 498A	3	Free Elect	1
				Tier 1 TRAD*	3		
TOTAL	15	TOTAL	16	TOTAL	18	TOTAL	13

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.

** Technical electives must be approved by the student's faculty advisor. Students are encouraged to obtain an engineering minor.