

Biosystems 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	ABE 284	3	ABE 205	3
MATH 125 or 122A/B#	3/5	CHEM 152	4	ABE 201	2	MATH 254	3
CHEM 151	4	PHYS 141	4	CE 214	3	PHYS 241	4
ENGL 101	3	ENGL 102	3	MATH 223	4	ECOL 182R/L	4
Tier 1 INDV*	3	Tier 1	3	MCB 181 R&L	4	or	
		TRAD*	3	or PLS 240 or MCB 184		MIC205 A&L or PSIO 201	
						Tier 1 TRAD*	3
TOTAL	16/18	TOTAL	17	TOTAL	15	TOTAL	17

JUNIOR YEAR				SENIOR YEAR			
First Semester		Second Semester		First Semester		Second Semester	
Course	Units	Course	Units	Course	Units	Course	Units
ABE 221	3	ABE 423	3	ABE 496a	1	ABE 498b	3
ABE 447	3	ABE 484	3	ABE 498a	3	ABE Elec**	3
ENGR 265	3	ABE Elec**	3	ABE 393	1	Tech Elec**	3
CE 218		ENGL 308	3	ABE Elec**	3	Tech Elec**	3
or AME 331	3	Tier 1 INDV*	3	Tech Elec**	3	Tier 2 Art/Hum*	3
SIE 305	3			AME 324a	3		
		TOTAL	15	Tier 2 INDV*	3		
TOTAL	15			TOTAL	17	TOTAL	15

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.

** ABE electives and technical electives depend upon area of emphasis and advisor's approval. The ABE electives must include engineering design. Listings of acceptable technical electives are available from advisors.