

Biosystems Engineering (2011-12)

**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 124#	3/5	CHEM 152	4	ABE 296a	1	AME 250	3
CHEM 151	4	PHYS 141	4	CE 214	3	MATH 254	3
ENGL 101	3	ENGL 102	3	MATH 223	4	PHYS 241	4
Tier 1 INDV*	3	Tier 1 TRAD*	3	MCB 181 R&L Or PLS 240	4	MCB 182 or MIC205 A&L Or PSIO 201	4
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
AME 324a	3	ABE Elec**	3	ABE 393	1	Tech Elec**	3
CE 218	3	SIE 305	3	ABE Elec**	3	Tech Elec**	3
or AME 331	3	ENGR 211P	1	Tech Elec**	3	Tier 2 Art/Hum*	3
Tier 1 INDV*	3	ENGL 308	3	Tier 1 TRAD*	3		
				Tier 2 INDV*	3		
TOTAL	15	TOTAL	16	TOTAL	17	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 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.