

# *Biosystems Engineering (2009-10)*

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 130	4	MCB 182 or MIC 205 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 non-western culture, race, gender or ethnicity. 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.