

Biomedical 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 125/122A/B#	3/5	CHEM 152	4	BME 295C	1	MATH 254	3
CHEM 151	4	PHYS 141	4	CE 214	3	PHYS 241	4
ENGL 101	3	ENGL 102	3	MATH 223	4	PSIO 201	4
Tier 1 INDV*	3	Tier 1 TRAD*	3	MCB 181 R&L	4	Tier 1 INDV	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
ECE 207	3	BME 330	4	ENGR 498A	3	ENGR 498B	3
PSIO 202 or		SIE 305	3	BME 497G	1	BME 480	3
MCB 182R/L	4	ABE 423***	3	ABE 447	3	Tech Elec**	3
CE 218		Tech Elec**	3	Tech Elec**	3	Tech Elec**	3
or AME 331	3	Tech Elec**	3	Tech Elec**	3	Tier 2 Arts or	3
AME 301***	3			Tech Elec**	3	Humanities	
Tier I TRAD	3						
TOTAL 16		TOTAL 16		TOTAL 16		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.

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

***AME 301 or ABE 423 is required. One semester will be filled with a Tier 2 INDV to fulfill the General Education requirement.