

Biomedical Engineering (2010-11)

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 125/124#	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	3	ENGR 498A	3	ENGR 498B	3
PSIO 202 or MCB 182R/L	4	BME 330L	1	BME 497G	1	BME 480	3
CE 218	3	SIE 305	3	ABE 447	3	Tech Elec**	3
or AME 331	3	ABE 423***	3	Tech Elec**	3	Tech Elec**	3
AME 301***	3	Tech Elec**	3	Tech Elec**	3	Tier 2 Arts or Humanities	3
Tier I TRAD	3	Tech Elec**	3	Tech Elec**	3		
TOTAL 16		TOTAL 16		TOTAL 16		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.

** 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.