

Bachelor of Science in Biomedical Engineering**2017-2018**

Suggested Plan of Study – Fall 2017 Transfer Admission

Term	CR	Course	Offered	Alt courses/Prerequisites and Corequisites
Term 5		<i>Fall</i>		
BME1008	1	Introduction to Biomedical Engineering	F, S	
CHM2211*	3	Organic Chemistry 2	F, S, Su	Prereq: CHM2210 with a min grade of C
EEL3111C	4	Circuits 1	F, S, Su	Prereq: MAC2312 and PHY2049
ENC3246	3	Professional Communication for Engineers	F, S, Su	Prereq: ENC1101 or ENC1102
EGM2511 or EMA3010	3	Engineering Mechanics: Statics (Biomechanics track prereq) Materials (Biomaterials track prereq)	F, S, Su	EGM2511 Prereq: PHY2048; Coreq: MAC2313 EMA3010 Prereq: CHM2045
Term Credits	14			
Term 6		<i>Spring</i>		
BME3060	3	Biomedical Fundamentals	F, S	Prereq: CHM2046 or CHM2096 and MAC2313 with min grades of C; Coreq: PHY2049, MAP 2302, and BME1008
COP2271	2	Computer Programming for Engineers (Matlab or C++)	S, F, Su	Alt course: COP3275/COP3502/others (with approval)
COP2271L	1	Computer Programming for Engineers Lab (same language)	S, F, Su	Alt course: COP3275/COP3502/others (with approval)
PCB3713C	4	Cellular and Systems Physiology	S	Prereq: BSC2010 and CHM2046, CHM2047, or CHM2096 and PHY2048 or PHY2060, all with min grades of C; Coreq: PHY2049 or PHY2061
EGM2511 or EMA3010	3	Engineering Mechanics: Statics (Biomechanics track prereq) Materials (Biomaterials track prereq)	F, S, Su	EGM2511 Prereq: PHY2048; Coreq: MAC2313 EMA3010 Prereq: CHM2045
Term Credits	13			
Term 7		<i>Fall</i>		
BME 3323L	3	Cellular Engineering Lab	F, S	Prereq: BSC2010 and CHM2046 with min grades of C; Coreq: BCH4024 and PCB3713C
BME4311	3	Molecular Biomedical Engineering	F, S	Prereq: BSC2010, CHM3217, and PCB3713C with min grades of C
BME4409	3	Quantitative Physiology	F, S	Prereq: BME3060, PCB3713C, and MAP2302 with min grades of C
BME4503	3	Biomedical Instrumentation	F, S	Prereq: MAC2313, MAP2302, and PHY2049, and EEL3111C with min grades of C
BME4503L	1	Biomedical Instrumentation Lab	F, S	Prereq: MAC2313, MAP2302, and PHY2049 with min grades of C
Term Credits	13			
Term 8		<i>Spring</i>		
STA3032	3	Engineering Statistics	F, S, Su	Prereq: MAC2311
BME3053C	2	Computer Applications for BME	F, S	Prereq: COP2271 and COP2271L or equivalent and MAC2312, with min grades of C
BME4621	3	Biomedical Thermodynamics and Kinetics	S	Prereq: BME3060 and BME4311
BME4632	3	Biomedical Transport Phenomena	S	Prereq: BME3060 with min grade of C
Term Credits	11			

Term	CR	Course	Offered	Alt courses/Prerequisites and Corequisites
Term 9		<i>Fall</i>		
BME4531	3	Medical Imaging	F	Prreq: MAC2313, MAP2302, and PHY2049 with min grades of C
BME4882	3	Senior Design, Professionalism and Ethics 1	F	Prereq: BME4503, BME4503L, BME4409, and senior standing
BME Track	6		Varies	
Term Credits	12			
Term 10		<i>Spring</i>		
BME4883	3	Senior Design, Professionalism and Ethics 2	S	
BME Track	9		Varies	
Term Credits	12			
Upper Div	75			

*Effective January 2018, CHM2211 (Organic Chemistry II) is no longer required prior to the submission of transfer application to UF BME. Transfer students who do not complete CHM2211 (Organic Chemistry II) prior to arrival at UF are required to complete CHM2211 (Organic Chemistry II) with a C or higher within the first two semesters of enrolling at UF. Completion of Organic Chemistry I and Organic Chemistry II (or the equivalent as defined by the UF course catalog) is a mandatory prerequisite for BME courses and a degree program requirement.

BME Track: 15 credits of 3000/4000-level courses selected from approved lists (see BME website or advisor for options).

Suggested Plan of Study – Spring 2018 Transfer Admission

Term	CR	Course	Offered	Alt courses/Prerequisites and Corequisites
Term 5		<i>Spring</i>		
BME1008	1	Introduction to Biomedical Engineering	F, S	
BME3060	3	Biomedical Fundamentals	F, S	Prereq: CHM2046 or CHM2096 and MAC2313 with min grades of C; Coreq: PHY2049, MAP 2302, and BME1008
COP2271	2	Computer Programming for Engineers (Matlab or C++)	S, F, Su	Alt course: COP3275/COP3502/others (with approval)
COP2271L	1	Computer Programming for Engineers Lab (same language)	S, F, Su	Alt course: COP3275/COP3502/others (with approval)
EGM2511 or EMA3010	3	Engineering Mechanics: Statics (Biomechanics track prereq) Materials (Biomaterials track prereq)	F, S, Su	EGM2511 Prereq: PHY2048; Coreq: MAC2313 EMA3010 Prereq: CHM2045
PCB3713C	4	Cellular and Systems Physiology	S	Prereq: BSC2010 and CHM2046, CHM2047, or CHM2096 and PHY2048 or PHY2060, all with min grades of C; Coreq: PHY2049 or PHY2061
Term Credits	14			
Term 6		<i>Summer</i>		
CHM2211*	3	Organic Chemistry 2	F, S, Su	Prereq: CHM2210 with a min grade of C
EEL3111C	4	Circuits 1	F, S, Su	Prereq: MAC2312 and PHY2049
ENC3246	3	Professional Communication for Engineers	F, S, Su	Prereq: ENC1101 or ENC1102
EGM2511 or EMA3010	3	Engineering Mechanics: Statics (Biomechanics track prereq) Materials (Biomaterials track prereq)	F, S, Su	EGM2511 Prereq: PHY2048; Coreq: MAC2313 EMA3010 Prereq: CHM2045
Term Credits	10			
Term 7		<i>Fall</i>		
BME 3323L	3	Cellular Engineering Lab	F, S	Prereq: BSC2010 and CHM2046 with min grades of C; Coreq: BCH4024 and PCB3713C
BME4311	3	Molecular Biomedical Engineering	F, S	Prereq: BSC2010, CHM3217, and PCB3713C with min grades of C
BME4409	3	Quantitative Physiology	F, S	Prereq: BME3060, PCB3713C, and MAP2302 with min grades of C
BME4503	3	Biomedical Instrumentation	F, S	Prereq: MAC2313, MAP2302, and PHY2049, and EEL3111C with min grades of C
BME4503L	1	Biomedical Instrumentation Lab	F, S	Prereq: MAC2313, MAP2302, and PHY2049 with min grades of C
Term Credits	13			
Term 8		<i>Spring</i>		
STA3032	3	Engineering Statistics	F, S, Su	Prereq: MAC2311
BME3053C	2	Computer Applications for BME	F, S	Prereq: COP2271 and COP2271L or equivalent and MAC2312, with min grades of C
BME4621	3	Biomedical Thermodynamics and Kinetics	S	Prereq: BME3060 and BME4311
BME4632	3	Biomedical Transport Phenomena	S	Prereq: BME3060 with min grade of C
Term Credits	11			

Term 9		<i>Fall</i>		
BME4531	3	Medical Imaging	F	Prreq: MAC2313, MAP2302, and PHY2049 with min grades of C
BME4882	3	Senior Design, Professionalism and Ethics 1	F	Prreq: BME4503, BME4503L, BME4409, and senior standing
BME Track	6		Varies	
Term Credits	12			
Term 10		<i>Spring</i>		
BME4883	3	Senior Design, Professionalism and Ethics 2	S	
BME Track	9		Varies	
Term Credits	12			
Upper Div	75			
Term 9				

*Effective January 2018, CHM2211 (Organic Chemistry II) is no longer required prior to the submission of transfer application to UF BME. Transfer students who do not complete CHM2211 (Organic Chemistry II) prior to arrival at UF are required to complete CHM2211 (Organic Chemistry II) with a C or higher within the first two semesters of enrolling at UF. Completion of Organic Chemistry I and Organic Chemistry II (or the equivalent as defined by the UF course catalog) is a mandatory prerequisite for BME courses and a degree program requirement.

BME Track: 15 credits of 3000/4000-level courses selected from approved lists (see BME website or advisor for options).