UTSA Engineering

BIOMEDICAL ENGINEERING

UTSA 2018-2020 UNDERGRADUATE CATALOG
RECOMMENDED PROGRAM OF STUDY

11/15/2017

Year 1	Fall (Semester I)		Year 1	Spring (Semester I)				
AIS 1203	Academic Inquiry and Scholarship	3	BME 1002	Introduction to BME	2			
BIO 1404	Biosciences I	4	CHE 1113	General Chemistry II	3			
CHE 1103	General Chemistry I	3	MAT 1224	Calculus II	4			
MAT 1214	Calculus I	4	PHY 1943	Physics for Scientists & Eng I	3			
WRC 1013	Freshman Comp I	3	PHY 1951	Physics for Scientists & Eng I Lab	1			
			WRC 1023	Freshman Comp II	3			
Total Semester Credit Hours		**17**	**Total Semester Credit Hours**		**16**			

Year 2	Fall (Semester III)		Year 2	Spring (Semester IV)		Year 2	Summer II	
BME 2103	Physiology for BME	3	BME 2203	Biomechanics I	3	BME 3013	Clinical Internship in BME	3
EGR 2323	Applied Engineering Analysis I	3	BME 3003	Biomaterials I	3			
STA 1403 or 2303	Probability & Stat for Biosciences	3	BME 3114	Cell Biology for BME	4			
PHY 1963	Physics for Scientists & Eng II	3	BME 3211	Biomedical Engineering Lab I	1			
PHY 1971	Physics for Scientists & Eng II Lab	1	Tech Elec	Technical Elective	3			
Tech Elec	Technical Elective	3						
Total Semester Credit Hours		**16**	**Total Semester Credit Hours**		**14**	**Total Semester Credit Hours**		**3**

Year 3	Fall (Semester V)		Year 3	Spring (Semester VI)		Year 3	Summer III	
BME 3303	Bioinstrumentation	3	BME 3023	BME Tech & Product Develop	3	BME 3033	Indus Intern in BME (BME Elec)	3
BME 3311	Biomedical Engineering Lab II	1	BME 3703	Biotransport Phenomena	3			
BME Elec	Approved BME Elective	3	BME 3711	Biomedical Engineering Lab III	1			
POL 1013	Intro to American Politics	3	BME Elec	Approved BME Elective	3			
Tech Elec	Technical Elective	3	Core	Government-Political Science	3			
	Total Semester Credit Hours	**13**		**Total Semester Credit Hours**	**13**	**Total Semester Credit Hours**		**3**

Year 4	Fall (Semester VII)		Year 4	Spring (Semester VIII)	
BME 4903	BME Senior Design I	3	BME 4913	BME Senior Design II	3
BME Elec	Approved BME Elective	3	Core	American History	3
BME Elec	Approved BME Elective	3	Core	Component Area Option	3
Core	American History	3	Core	Language, Philosophy & Culture	3
Core	Creative Arts	3	Core	Social & Behavioral	3
Total Semester Credit Hours		**15**	**Total Semester Credit Hours**		**15**
				TOTAL REQUIRED DEGREE HOURS	**125**

*Tech Elec: Beginning 18-20, students **MUST** selected a minimum of 2 courses from one of the following tracks.

Track 1	Track 2	Track 3
EE 2213	EGR 2103	EGR 2213
EGR 3323	ME 3293	EGR 3323
EGR 4993	ME 3813	EGR 3713
	EGR 4993	EGR 4993