

## BIOMEDICAL ENGINEERING

UTSA 2017-2018 UNDERGRADUATE CATALOG

RECOMMENDED PROGRAM OF STUDY

Revised 10/25/2016

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 2323	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)		<p>*Tech Elec: Beginning 17-18, students <b>MUST</b> selected a minimum of 2 courses from one of the following tracks.</p> <table border="1"> <thead> <tr> <th>Track 1</th> <th>Track 2</th> <th>Track 3</th> </tr> </thead> <tbody> <tr> <td>EE 2213</td> <td>EGR 2103</td> <td>EGR 2213</td> </tr> <tr> <td>EGR 3323</td> <td>ME 3293</td> <td>EGR 3323</td> </tr> <tr> <td>EGR 4993</td> <td>ME 3813</td> <td>EGR 3713</td> </tr> <tr> <td></td> <td>EGR 4993</td> <td>EGR 4993</td> </tr> </tbody> </table>			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
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																					
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																		
			<b>Total Required Degree Hours</b>		<b>125</b>																		