

**UTSA 2016-2017 UNDERGRADUATE CATALOG**  
**BIOMEDICAL ENGINEERING**  
**RECOMMENDED PROGRAM OF STUDY**

*Revised 03/29/2016*

<b>SEMESTER I (Fall)</b>				<b>SEMESTER II (Spring)</b>				<b>SEMESTER III (Summer)</b>						
MAT	1214	Calculus I	4	MAT	1224	Calculus II	4							
BIO	1404	Biosciences I	4	CHE	1113	General Chemistry II	3							
CHE	1103	General Chemistry I	3	PHY	1943	Physics for Scientists I	3							
<b>WRC</b>	1013	Freshman Composition I	3	PHY	1951	Physics for Scientists I Lab	1							
<b>AIS</b>	1203	Academic Inquiry and Scholarship	3	<b>WRC</b>	1023	Freshman Composition II	3							
				BME	1002	Introduction to Biomedical Eng	2							
Semester Total				17	Semester Total				16	Semester Total				0
<b>SEMESTER IV (Fall)</b>				<b>SEMESTER V (Spring)</b>				<b>SEMESTER VI (Summer)</b>						
BME	2103	Physiology for BME	3	BME	3114	Cell Biology for BME	4	BME	3013	Clinical Internship in BME	3			
STA	1403	Probability and Stats for the Biosci	3	BME	3003	Biomaterials I	3							
PHY	1963	Physics for Scientists II	3	BME	2203	Biomechanics I	3							
PHY	1971	Physics for Scientists II Lab	1	BME	3211	Biomedical Engineering Lab I	1							
EGR	2323	Applied Engineering Analysis I	3	<b>Tech Elec</b>		Calculus III ( <b>MAT 2214</b> )	4							
<b>Tech Elec</b>		Statics ( <b>EGR 2103</b> )	3											
Semester Total				16	Semester Total				15	Semester Total				3
<b>SEMESTER VII (Fall)</b>				<b>SEMESTER VII (Spring)</b>				<b>SEMESTER IX (Summer)</b>						
<b>BME Elec</b>		Approved Upper Div BME Elective	3	BME	3022	BME Tech and Product Develo	2	<b>BME Elec</b>	3033	Industrial Internship	3			
BME	3311	Biomedical Engineering Lab II	1	BME	3703	Biotransport Phenomena	3							
<b>Tech Elec</b>		Approved Science/Eng Elective	3	BME	3711	Biomedical Engineering Lab III	1							
BME	3303	Bioinstrumentation	3	<b>BME Elec</b>		Approved Upper Div BME Elect	3							
<b>CORE*</b>		Political Science	3	<b>CORE*</b>		Intro to Am Politics (POL 1013)	3							
Semester Total				13	Semester Total				12	Semester Total				3
<b>SEMESTER X (Fall)</b>				<b>SEMESTER XI (Spring)</b>										
<b>CORE*</b>		Visual & Performing Arts	3	BME	4913	Senior BME Design II	3							
<b>CORE*</b>		U.S. History & Diversity	3	<b>CORE*</b>		U.S. History & Diversity	3							
BME	4903	Senior BME Design I	3	<b>CORE*</b>		90 component area	3							
<b>BME Elec</b>		Approved Upper Div BME Elective	3	<b>CORE*</b>		Economics (2003, 2013, or 2023)	3							
<b>BME Elec</b>		Approved Upper Div BME Elective	3	<b>CORE*</b>		Literature	3							
Semester Total				15	Semester Total				15	Semester Total				0
<b>Total Required Degree Hours</b>												<b>125</b>		