

UTSA 2014-2015 UNDERGRADUATE CATALOG
BIOMEDICAL ENGINEERING
RECOMMENDED PROGRAM OF STUDY

Revised 03/14/14

Students must meet with an Advisor at 45 and 90 Hours .

SEMESTER I (Fall)				SEMESTER II (Spring)				SEMESTER III (Summer)			
MAT	1214	Calculus I	4	BME	1002	Intro. to Biomedical EGR	2				
BIO	1404	Biosciences I	4	MAT	1224	Calculus II	4				
CHE	1103	General Chemistry I	3	CHE	1113	General Chemistry II	3				
WRC	1013	Freshman Composition I	3	PHY	1943	Physics for SCI/EGR I	3				
AIS	1203	Academic Inquiry & Scholarship	3	PHY	1951	Physics for SCI/EGR I Lab	1				
				WRC	1023	Freshmen Composition II	3				
Semester Total			17	Semester Total			16	Semester Total			0
SEMESTER IV (Fall)				SEMESTER V (Spring)				SEMESTER VI (Summer)			
BME	2103	Physiology for BME	3	POL	1013	Intro. to American Politics	3	BME	3013	Clinical Internship in BME	3
STA	1403	Probability & Statistics for BIO	3	BME	2114	Cell Biology for BME	4				
PHY	1963	Physics for SCI/EGR II	3	BME	2403	Biomaterials I	3				
PHY	1971	Physics for SCI/EGR II Lab	1	BME	2203	Biomechanics I	3				
Tech Elec		Apprvd. Tech. Elect. (MAT 2214)	4	BME	2211	Biomedical Engineering Lab I	1				
Tech Elec		Apprvd. Tech. Elect. (EGR 2103)	3	EGR	2323	Applied Engineering Analysis I	3				
Semester Total			17	Semester Total			17	Semester Total			3
SEMESTER VII (Fall)				SEMESTER VII (Spring)				SEMESTER IX (Summer)			
BME Elec		Approved Upper Div BME Elective	3	BME	3022	BME Tech & Product Development	2	BME	3033	Industrial Internship	3
BME	3311	Biomedical Engineering Lab II	1	BME	3703	Biotransport Phenomena	3				
Tech Elec		Approved SCI/EGR Elective	3	BME	3711	Biomedical Engineering Lab III	1				
BME	3303	Bioinstrumentation	3	BME Elec		Approved Upper Div. BME Elective	3				
POL	1133	TX Politics & Society	3	EGR	1343	Impact of Modern Technology	3				
Semester Total			13	Semester Total			12	Semester Total			3
SEMESTER X (Fall)				SEMESTER XI (Spring)							
BME	4903	BME Senior Design I	3	BME	4913	BME Senior Design II	3				
CORE*		American History	3	CORE*		American History	3				
CORE*		Lang. Phil. & Culture	3	CORE*		Creative Arts	3				
BME Elec		Approved Upper Div BME Elective	3	CORE*		Component Area Option	3				
BME Elec		Approved Upper Div BME Elective	3								
Semester Total			15	Semester Total			12	Semester Total			0

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