UTSA
BIOMEDICAL ENGINEERING
RECOMMENDED PROGRAM OF STUDY
2010-2012 UNDERGRADUATE CATALOG
Revised 02/17/2011

SEMESTER I

MAT	1214	Calculus I	4
BIO	1404	Biosciences I	4
CHE	1103	General Chemistry I	3
WRC	1013	Freshman Composition I	3
COR	1203	Freshman Seminar/Soc-Beh Science	3
Semester Total			17

SEMESTER II

MAT	1224	Calculus II	4
CHE	1113	General Chemistry II	3
PHY	1903	Engineering Physics I	3
PHY	1911	Engineering Physics I Lab	1
WRC	1023	Freshman Composition II	3
BME	1002	Introduction to Biomedical Eng	2
Semester Total			16

SEMESTER III

BME	2103	Physiology for BME	3
STA	2303	Appl Probability and Stats for Eng	3
PHY	1923	Engineering Physics II	3
PHY	1931	Engineering Physics II Lab	1
EGR	2323	Applied Engineering Analysis I	3
CORE*		Literature	3
Semester Total			16

SEMESTER IV

CORE	1013	Introduction to American Politics	3
BME	2114	Cell Biology for BME	4
BME	2403	Biomaterials I	3
BME	2203	Biomechanics I	3
BME	2011	Biomedical Engineering Lab I	1
Semester Total			14

SEMESTER V

BME Elec		Approved Upper Div BME Elective	3
BME	3001	Biomedical Engineering Lab II	1
Tech Elec		Approved Science/Eng Elective	3
BME	3303	Bioinstrumentation	3
BME	3013	Clinical Intership in BME	3
CORE*		Political Science	3
Semester Total			16

SEMESTER VI

BME	3023	BME Tech and Product Developr	3
BME	3033	Biotransport Phenomena	3
Tech Elec		Approved Science/Eng Elective	3
BME Elec		Approved Upper Div BME Electiv	3
Tech Elec		Approved Science/Eng Elective	3
BME	3041	Biomedical Engineering Lab III	1
Semester Total			16

SEMESTER VII

CORE*		Visual & Performing Arts	3
CORE*		U.S. History & Diversity	3
BME	4903	Senior BME Design I	3
BME Elec		Approved Upper Div BME Elective	3
BME Elec		Approved Upper Div BME Elective	3
Semester Total			15

SEMESTER VIII

BME	4913	Senior BME Design II	3
CORE*		U.S. History & Diversity	3
BME Elec		Approved Upper Div BME Electiv	3
CORE*		Economics (2003, 2013, or 2023)	3
CORE*		World Society And Issues	3
Semester Total			15
Total Required Degree Hours			**125**

Please go to pages 5-9 in the catalog for a complete list of core courses

ALL UNDERGRADUATE BME ENGINEERING STUDENTS MUST SEE AN ENGINEERING ADVISOR EVERY FALL/SPRING PRIOR TO REGISTRATION