

DEGREE PLAN
BACHELOR DEGREE IN BIOMEDICAL ENGINEERING

Student Name: Last, First _____

Catalog: 2015 - 16

TISSUE ENG

Student ID: 100 _____

Expected Date of Graduation: _____

Prepared by: _____
Date _____

Approved by: _____
Date _____

Approved by: _____
Date _____

Certified by: _____
Date _____

Taken	Grade	Transf	Hrs	Hrs Ernd
COMMUNICATION				
	ENGL 1301		Rhetoric & Composition I	3
	COMS 2302		Prof, Tech Commu, Sci & Eng	3
Total Hrs.			6	
US HISTORY				
	HIST 1311		History of US to 1865	3
	HIST 1312		History of US, 1865 to present	3
Total Hrs.			6	
GOVERNMENT/POLITICAL SCIENCE				
	POLS 2311		US Gov't	3
	POLS 2312		State & Local Gov't	3
Total Hrs.			6	
CREATIVE ARTS				
	Elective		(choose 1 from Table A)	3
Total Hrs.			3	
LANGUAGE, PHILOSOPHY AND CULTURE				
	PHIL 1304		(Contemporary Moral Problems)	3
Total Hrs.			3	
SOCIAL AND BEHAVIOR SCIENCE				
	Elective		(Choose 1 from Table B)	3
Total Hrs.			3	
SCIENCE				
	CHEM 1441		General Chem I (w/ lab)	4
	CHEM 1442		General Chem II (w/ Lab)	4
	CHEM 2321		Organic Chem I Lec	3
	CHEM 2181		Organic Chem I Lab	1
	CHEM 2322		Organic Chem II Lec	3
	CHEM 2182		Organic Chem II Lab	1
	CHEM 4311		Biochemistry I	3
	BIOL 1441		Cell & Molecular Biology	4
	BIOL 1442		Struc & Func of Organisms	4
	BE 3301		Cell Physiology	3
	PHYS 1443		General Tech Phys I (w/ Lab)	4
	PHYS 1444		General Tech Phys II (w/ Lab)	4
Total Hrs.			38	

Taken	Grade	Transf	Hrs	Hrs Ernd
MATHEMATICS				
	MATH 1426		Calculus I	4
	MATH 2425		Calculus II	4
	MATH 2326		Calculus III	3
	MATH 3319		Diff Eqs & Linear Algebra	3
	MATH 3316 or IE 3301		Statistics Inference	3
Total Hrs.			17	
CSE course				
	CSE 1311		Intro to Prog for Eng & Sci	3
Total Hrs.			3	
MAJOR: BIOENGINEERING (TISSUE ENGINEERING)				
	ENGR 1300		Eng Problem Solving	3
	BE 1105		Medical Appl of Engineering	1
	BE 1225		Intro to Bioengineering	2
	BE 3310		Biomech. & Fluid Flow (w/Lab)	3
	BE 3320		Measurement Lab	3
	BE 4368		An Intro Tissue Eng, Drug Delivery	3
	BE 3367		Cell Culture and Drug Delivery Lab	3
	BE 3380		Human Physiology in BE	3
	BE 4325		Fundamental of BE	3
	BE 4334		Intro Nano, Biopolymer Materials	3
	BE 4337		Transport Phenomena in BME	3
	BE 4350		Senior Design Project I	3
	BE 4355		Senior Design Project II	3
	BE 4382		Laboratory Principles	3
Total Hrs.			39	
Choose 1 from below				
	BE 3343		MATLAB Appl for Bioengineers	3
	BE 3344		Bioinstrumentation	3
	BE 4329		Neural Engineering	3
	BE 4366		Process Control in Biotech	3

Total Hours. 127

The following are required for BS/BE with PreMed option

	BIOL 3315		Genetics	3
	BIOL 3312		Immunobiology	3
	BIOL 3444		Microbiology	4
	CHEM 4312		Biochemistry II	3
	*BIOL 3442		Animal Physiol (UTA BIOL)	4

Beginning 2015 MCAT includes

	PSYC 1315		Intro to Psychology	3
	SOCI 1311		Intro to Sociology	3

One of the above can be taken under Social & Behavior Science category requirement

updated 4/7/2015