

DEGREE PLAN
BACHELOR DEGREE IN BIOMEDICAL ENGINEERING

IMAGING

Student Name: Last, First _____

Catalog: 2015-16

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 PhysII (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 and EE				
	CSE 1311 Intro Prog for Eng & Sci			3
	EE 2440 Circuit Analysis with Lab			4
Total Hrs.			7	
MAJOR: BIOENGINEERING (Medical Imaging)				
	ENGR 1300 Eng Prob solving			3
	BE 1105 Med Appl of Engineering			1
	BE 1225 Intro to Bioengineering			2
	BE 3320 Measurement Lab			3
	BE 3344 Bioinstrumentation			3
	BE 3346 Medical Imaging			3
	BE 3352 Digital process of Biol Signals			3
	BE 3380 Human Physiology in BE			3
	BE 4324 Biomedical Optics Lab			3
	BE 4325 Fundamentals of BE			3
	BE 4350 Senior Design Project I			3
	BE 4355 Senior Design Project II			3
	BE 4382 Laboratory Principles			3
Total Hrs.			36	
Choose 1 from below				
	BE 3325 Fluorescence Microscopy			3
	BE 3327 Tissue Optics			3
	BE 3343 MATLAB Appl for Bioengineers			3
	BE 4326 Tissue Ultrasound-optical imag			4
	EE 3407 Electromagnetics			3

TOTAL HOURS 128

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