

DEGREE PLAN
BACHELOR DEGREE IN BIOMEDICAL ENGINEERING

IMAGING

Student Name: Last, First _____

Catalog: 2016-17

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
	BIOL 1441 Cell & Molecular Biology			4
	BIOL 1442 Struc & Func of Organisms			4
	PHYS 1443 General Tech Phys I (w/ Lab)			4
	PHYS 1444 General Tech PhysII (w/Lab)			4
Total Hrs.			24	
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	

Taken	Grade	Transf	Hrs	Hrs Ernd
CSE and EE				
	ENGR 1300 Eng Prob solving			3
	CSE 1311 Intro Prog for Eng & Sci			3
	EE 2440 Circuit Analysis with Lab			4
Total Hrs.			10	
MAJOR: BIOENGINEERING (Medical Imaging)				
	BE 1105 Med Appl of Engineering			1
	BE 1325 Intro to Bioengineering			3
	BE 3301 Cell Physiology for Bioengineers			3
	BE 3317 Linear Systems in Bioengineering			3
	BE 3320 Measurement Lab			3
	BE 3380 Human Physiology in BE			3
	BE 3415 Fundamentals of Biomolecular Eng			4
	BE 4350 Senior Design Project I			3
	BE 4355 Senior Design Project II			3
	BE 4382 Laboratory Principles			3
	BE 3344 Bioinstrumentation			3
	BE 3346 Medical Imaging			3
	BE 3352 Digital process of Biol Signals			3
	BE 4324 Biomedical Optics Lab			3
Total Hrs.			41	
BIOMED ENGINEERING ELECTIVES (Choose 3 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			3
	EE 3407 Electromagnetics			4
	BE 3310 Biomech. & Fluid Flow (w/Lab)			3
	BE 3367 Cell Culture and drug delivery Lab			3
	BE 4329 Neural Engineeirng			3
	BE 4333 Nano Biomaterials			3
	BE 4337 Transport Phenomena in BME			3
	BE 4368 An Intro Tissue Eng, Drug Delivery			3
	BE 4366 Process Control in Biotech			3
	BE 3372 Drug delivery lecture			3
	BE 4334 Intro Nano, Biopolymer Materials			3
Total Hrs.			9	

TOTAL HOURS

128

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