

DEGREE PLAN

BACHELOR DEGREE IN BIOMEDICAL ENGINEERING

Student Name:

Catalog: 2016 - 17

TISSUE ENG

Student ID:

Expected Date of Graduation: _____

Prepared by: Diana Jones 17-Nov-16
Date

Approved by: _____
Date

Approved by: _____
Date

Certified by: _____
Date

Taken	Grade		Transf	Hrs	Ernd
COMMUNICATION (RQ-2934)					
		ENGL 1301 Rhetoric & Composition I		3	
		COMS 2302 Prof, Tech Commu, Sci & Eng		3	
Total Hrs.				6	
US HISTORY (RQ-2998)					
		HIST 1311 History of US to 1865		3	
		HIST 1312 History of US, 1865 to present		3	
Total Hrs.				6	
GOVERNMENT/POLITICAL SCIENCE (RQ-2999)					
		POLS 2311 Gov't of the US		3	
		POLS 2312 State & Local Gov't		3	
Total Hrs.				6	
CREATIVE ARTS (RQ-2997)					
		Music Appreciation		3	
Total Hrs.				3	
LANGUAGE, PHILOSOPHY AND CULTURE (RQ-2996)					
		PHIL 1304 Biomedical Ethics		3	
Total Hrs.				3	
SOCIAL AND BEHAVIOR SCIENCE (RQ-3000)					
		Elective (choose 1 from Table B)		3	
Total Hrs.				3	
SCIENCE (RQ-2995)					
		CHEM 1441 General Chemistry I		4	
		CHEM 1442 General Chemistry II		4	
		BIOL 1441 Cell & Molecular Biology		4	
		BIOL 1442 Struc & Func of Organisms		4	
		PHYS 1443 General Tech Physics I		4	
		PHYS 1444 General Tech Physics II		4	
Total Hrs.				24	
MATHEMATICS (RQ-2985)					
		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	Ernd
ENGINEERING (RQ-2987)					
		ENGR 1300 Eng Problem Solving		3	
		CSE 1311 Intro to Prog for Eng & Sci		3	
Total Hrs.				6	
MAJOR: BIOMEDICAL ENGINEERING (TE concentration) (RQ-2987)					
		BE 1105 Medical 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 3310 Biomech. & Fluid Flow (w/Lab)		3	
		BE 3367 Cell Culture and Drug Delivery Lab		3	
		BE 4368 An Intro Tissue Eng, Drug Delivery		3	
		BE 4333 Nano Biomaterials		3	
		BE 4337 Transport Phenomena in BME		3	
Total Hrs.				44	
BIOMED ENGINEERING ELECTIVES (Choose 3 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	
		BE 3346 Medical Imaging		3	
		BE 3352 Digital Process of Biol Signals		3	
		BE 4324 Biomedical Optics Lab		3	
		BE 3325 Fluorescence Microscopy		3	
		BE 3327 Tissue Optics		3	
		BE 4326 Tissue Ultrasound-optical Imag		3	
		BE 4368 An Intro Tissue Eng, Drug Delivery		3	
		BE 3367 Cell Culture and Drug Delivery Lab		3	
		BE 3372 Drug Delivery lecture		3	
		BE 4331 Polymer in BME		3	
Total Hrs.				9	

Total Hours.

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NOTES

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