

DEGREE PLAN
BACHELOR DEGREE IN BIOMEDICAL ENGINEERING

Catalog: 2017-18

IMAGING

Student Name: _____

Student ID: _____

Prepared by: _____ Date _____

Approved by: _____ Date _____

Expected Date of Graduation: _____

Approved by: _____ Date _____

Certified by: _____ Date _____

Taken	Grade	Transf	Line	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 US Gov't			3
	POLS 2312 State & Local Gov't			3
Total Hrs.				6
CREATIVE ARTS (RQ-2997)				
	Elective (choose 1 from Table A)			3
Total Hrs.				3
LANGUAGE, PHILOSOPHY AND CULTURE (RQ-2996)				
	PHIL 1304 (Contemporary Moral Problems)			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 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 (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
ENGR, CSE and EE courses (RQ-2987)				
	ENGR 1300 Eng Prob solving			3
	CSE 1311 Intro Prog for Eng & Sci			3
	EE 2440 Circuit Analysis with Lab			4
Total Hrs.				10

Taken	Grade	Transf	Line	Hrs Ernd
MAJOR: BIOENGINEERING (Medical Imaging) (RQ-2987)				
	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 3344 Bioinstrumentation			3
	BE 3346 Medical Imaging			3
	BE 3352 Digital process of Biol Signals			3
	BE 3380 Human Physiology in BE			3
	BE 3415 Fundamentals of Biomolecular Eng			4
	BE 4324 Biomedical Optics Lab			3
	BE 4350 Senior Design Project I			3
	BE 4355 Senior Design Project II			3
	BE 4382 Laboratory Principles			3
Total Hrs.				41
BIOMED ENGINEERING ELECTIVES (Choose 3 from below)				
	BE 2310 Eng Appro solving Clinical challeng			3
	BE 3310 Biomech. & Fluid Flow (w/Lab)			3
	BE 3325 Fluorescence Microscopy			3
	BE 3327 Tissue Optics			3
	BE 3343 MATLAB Appl for Bioengineers			3
	BE 3367 Cell Culture and drug delivery Lab			3
	BE 3372 Drug delivery lecture			3
	BE 4312 Tissue Biomechanics & Bioeng			3
	BE 4314 Medical Implants			3
	BE 4326 Tissue Ultrasound-optical imag			3
	BE 4329 Neural Engineering			3
	BE 4333 Nano Biomaterials			3
	BE 4334 Intro Nano, Biopolymer Materials			3
	BE 4337 Transport Phenomena in BME			3
	BE 4364 Tissue Eng Lecture			3
	BE 4365 Tissue Eng Lab			3
	BE 4366 Process Control in Biotechn			3
	BE 4368 An Intro Tissue Eng, Drug Delivery			3
	BE 4372 Drug Delivery			3
	BE 4373 Drug Delivery Lab			3
	BE 4385 Stem Cell Tissue Engineering			3
	BE 4388 Biomed product design & develop			3
	EE 3407 Electromagnetics			4
Total Hrs.				9

Hours Earned

Total Hours Required

128

DEGREE PLAN
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Degree Plan Notes

List of notes to make

Classes Taken that are not on degree plan with grades

List of College Abbreviations with College Name

Make notes as detailed as possible

Second Major and/or Minor

Classes Taken that are not on degree plan with grades

TRAN classes used and what for

- 1
- 2
- 3
- 2
- 4
- 5
- 6
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- 21