

DEGREE PLAN
BACHELOR DEGREE IN BIOMEDICAL ENGINEERING

Catalog: 2018-19

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
UNIV, ENGR, BE and EE courses (RQ-2987)					
	UNIV 1131			Student success	1
	ENGR 1250			Eng Problem Solving	2
	BE 2315			Introductory Computational Tools for BE	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 Biotecn	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
BACHELOR DEGREE IN BIOMEDICAL ENGINEERING**

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
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16
- 17
- 18
- 19
- 20

CHANGE OF MAJOR HISTORY

MAJOR

DATE