

**DEGREE PLAN**  
**BACHELOR DEGREE IN BIOMEDICAL ENGINEERING**

**Catalog: 2019-20**

**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
<b>COMMUNICATION (RQ-2934)</b>				
	ENGL 1301 Rhetoric & Composition I			3
	COMS 2302 Prof, Tech Commu, Sci Eng			3
<b>Total Hrs.</b>				<b>6</b>
<b>US HISTORY (RQ-2998)</b>				
	HIST 1301 History of US to 1865			3
	HIST 1302 History of US, 1865 to present			3
<b>Total Hrs.</b>				<b>6</b>
<b>GOVERNMENT/POLITICAL SCIENCE (RQ-2999)</b>				
	POLS 2311 US Gov't			3
	POLS 2312 State & Local Gov't			3
<b>Total Hrs.</b>				<b>6</b>
<b>CREATIVE ARTS (RQ-2997)</b>				
	Elective (choose 1 from Table A)			3
<b>Total Hrs.</b>				<b>3</b>
<b>LANGUAGE, PHILOSOPHY AND CULTURE (RQ-2996)</b>				
	PHIL 1304 (Contemporary Moral Problems)			3
<b>Total Hrs.</b>				<b>3</b>
<b>SOCIAL AND BEHAVIOR SCIENCE (RQ-3000)</b>				
	Elective (Choose 1 from Table B)			3
<b>Total Hrs.</b>				<b>3</b>
<b>SCIENCE (RQ-2995)</b>				
	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
<b>Total Hrs.</b>				<b>24</b>
<b>MATHEMATICS (RQ-2985)</b>				
	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
<b>Total Hrs.</b>				<b>17</b>
<b>UNIV, ENGR, BE and EE courses (RQ-2987)</b>				
	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
<b>Total Hrs.</b>				<b>10</b>

Taken	Grade	Transf	Line	Hrs Ernd
<b>MAJOR: BIOENGINEERING (Medical Imaging) (RQ-2987)</b>				
	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
<b>Total Hrs.</b>				<b>41</b>
<b>BIOMED ENGINEERING ELECTIVES (Choose 3 from below)</b>				
	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
<b>Total Hrs.</b>				<b>9</b>

**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