



School of Engineering and Technology

Student ID: _____
Student Name: _____
Program Entry Date: _____

Degree/Program Plan: B.S. Biomedical Engr. Tech.
 Program/Plan Code: TECH1
 Requirement Term: 8/15/2006 - 4068

1st Semester

Course#	Units	Title	Pre- or Co-requisite
BMET 105	1	Intro to BMET	
ECET 107	4	Introduction to Circuit Analysis	Math 602 placement test of 45 or above
ECET 109	3	Digital Fundamentals	P or C: Math 111 or instructor's consent
MATH 153	3	Algebra & Trigonometry I	P: Math 111
ENGL W131	3	Elementary Composition	Placement
BMET 220	3	Applied Human Biology for BMET	

17

2nd Semester

Course#	Units	Title	Pre- or Co-requisite
ECET 157	4	Electronics Circuit Analysis	P: ECET 107 & Math 153
ECET 164	3	Applied Obj-Oriented Programming	P or C: Math 153
ECET 207	4	AC Electronics Circuit Analysis	P or C: ECET 157 & Math 154
MATH 154	3	Algebra & Trigonometry II	P: Math 153
COMM R110	3	Fund of Speech Communication	

17

3rd Semester

Course#	Units	Title	Pre- or Co-requisite
ECET 155	3	Digital Fundamentals II	P: ECET 109
ECET 209	4	Introduction to Microprocessors	P:ECET109PorC:ECET164orCIT262or270
ECET 234	3	PC Systems I	P:ECET109PorC:ECET164orCIT262or270
BMET 240	3	Intro to Medical Electronics	P:BMET 220 & knowledge of electronics
PSY B104	3	Psychology as a Social Science	

16

4th Semester

Course#	Units	Title	Pre- or Co-requisite
BMET 320	4	Biomedical Electronics Systems	P:BMET 240 and ECET 157
BMET 290	4	BMET Practicum	PorC: BMET 320
PHYS 218	4	General Physics	P: Math 159 or equiv.
MATH 221	3	Calculus for Tech I	P: Math 159 or Math 154

15

65 Total Credit Hours AS Degree

5th Semester

Course#	Units	Title	Pre- or Co-requisite
ECET 284	4	Computer Communications	P: ECET 155 and ECET 157
BMET 310	3	Intro to Radiography Systems	P: BMET 220 or equiv
MATH 222	3	Calculus for Technology II	P: Math 221
BUS A200	3	Accounting	P: Sophomore standing
TCM 220	3	Technical Report Writing	P: ENGL W131 or equiv.

16

6th Semester

Course#	Units	Title	Pre- or Co-requisite
BMET 420	3	Techn & Special Patient Populations	P: BMET 320 or equivalent
ECET 483	4	Networking Fund w/Microcontrollers	P: ECET 234, ECET 284
IET 150	3	Quantitative Methods for Tech	P: Math 159
TCM 320	3	Written Comm for Sci & Industry	P: Eng W131- jr standing
CHSS Elec	3	see approved crse list	

16

7th Semester

Course#	Units	Title	Pre- or Co-requisite
BMET 440	3	Codes Reg & Patient Safety	P: BMET 320 or equivalent
ECET 490	1	Senior Design Project Phase I	P: Three ECET 300or400 level ECET Elec
ECET 499	1	Ethics & Professionalism in Tech	
Chem C110	3	The Chemistry of Life LEC	
Chem C115	2	The Chemistry of Life LAB	PorC: Chem C110
NURS B231	3	Comm for the Health Care Prof.	
CHSS Elec	3	see approved crse list	

16

8th Semester

Course#	Units	Title	Pre- or Co-requisite
BMET 470	3	Special Topics in BMET	P: Chem C110 & BMET 320 or equiv
BMET 491	2	Technical Project	P: 3 BMET 300 or 400 level crses & ECET 490
OLS Elec	3	see approved crse list	
OLS Elec	3	see approved crse list	
CHSS Elec	3	see approved crse list	

14

127 Total Credit Hours BS Degree

*Check with department for list of approved electives or selectives.



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Core Requirements - ECET Technical Specialty

Course#	Units	Term	Grade	Comments
ECET 107	4			
ECET 109	3			
ECET 155	3			
ECET 157	4			
ECET 164	3			
ECET 207	4			
ECET 209	4			
ECET 234	3			
ECET 284	4			
ECET 483	4			
ECET 490	1			
ECET 499	1			
BMET 105	1			
BMET 220	3			
BMET 240	3			
BMET 290	4			
BMET 320	4			
BMET 310	3			
BMET 420	3			
BMET 440	3			
BMET 470	3			
BMET 491	2			
total: 67				

total: 67

Math and Science Requirements

Course#	Units	Term	Grade	Comments
MATH 153	3			
MATH 154	3			
MATH 221	3			
MATH 222	3			
PHYS 218	4			
IET 150	3			
CHEM C110&	3			
CHEM C115	2			
total: 24				

total: 24

General Education Requirements - Communications, Humanities, Social Science

Course#	Units	Term	Grade	Comments
ENG W131	3			
COMM R110	3			
TCM 220	3			
TCM 320	3			
NURS B231	3			
PSY B104	3			
CHSS Electives*				
CHSS	3			
CHSS	3			
CHSS	3			
*CHSS Electives: AMST A301, ANTH A103, A104, COMM T337, M150, ECON E201, E202, E325, E305, ENG L105, L115, L204, L213, EALC J131, J132, FOLK F101, F131, FREN F117, F118, GEOG G110, G314, G331, G335, GER G117, G118, HIST H105, H106, H113, H114, MUS M110, M174, OLS 252, PHIL P110, P120, P162, P265, P331, P338, POLS Y103, Y217, PSY B104, REL R133, SOC R100, R121, SPAN S117, S118, SPEA J101, V170				
total: 27				

total: 27

OLS/Managerial Electives Requirements

Course#	Units	Term	Grade	Comments
BUS A200	3			
OLS Electives*				
OLS	3			
OLS	3			
OLS Elecs* OLS 252, 263, 274, 331, 368, 371, 373, 375, 376, 476				
total: 9				

total: 9

127 Total Credit Hours for BS Degree

Transfer credits evaluation apply only toward BMET degree.

"Students with criminal convictions will have limited employment prospects in healthcare fields, contact your advisor."

Department of Electrical and Computer Engr Tech: 274-2363
 Offices: ET 209

*Check with department for list of approved electives or selectives.