

# EFFECTIVE Fall 2009

## School of Engineering and Technology

Student ID: \_\_\_\_\_  
 Student Name: \_\_\_\_\_  
 Program Entry Date: \_\_\_\_\_

Degree/Program Plan: B.S. Biomedical Engr. Tech.  
 Program/Plan Code: TECH1/BIMENTCHBS  
 Requirement Term: 8/15/2009 [4098]



### 1st Semester

Course#	Units	Title	Pre- or Co-requisite
BMET 10500	1	Intro to BMET	
TECH 10200	1	Discovering Technology	
TECH 10500	3	Intro to Engr Tech	
ECET 10900	3	Digital Fundamentals	PorC: Math 11100 or instructor's consent
MATH 15300	3	Algebra & Trigonometry I	P: Math 11100
ENGL W131	3	Elementary Composition	Placement

14

### 2nd Semester

Course#	Units	Title	Pre- or Co-requisite
ECET 10700	4	Introduction to Circuit Analysis	Math 602 placement test of 45 or above
ECET 15500	3	Digital Fundamentals II	P: ECET 10900
MATH 15400	3	Algebra & Trigonometry II	P: Math 15300
COMM R110	3	Fund of Speech Communication	
BMET 22000	3	Applied Human Biology for BMET	

16

### 3rd Semester

Course#	Units	Title	Pre- or Co-requisite
BMET 20900	2	BMET Microprocessor Applications	P:ECET10900
BMET 24000	3	Intro to Medical Electronics	P:BMET 22000&knowledge of electronics
PHYS 21800	4	General Physics	P: Math 15900 or equiv.
ECET 15700	4	Electronics Circuit Analysis	P: ECET 10700 & Math 15300
MATH 22100	3	Calculus for Tech I	P: Math 15900 or Math 15400

16

### 4th Semester

Course#	Units	Title	Pre- or Co-requisite
BMET 32000	4	Biomedical Electronics Systems	P:BMET 24000 and ECET 15700
BMET 29000	4	BMET Practicum	PorC: BMET 32000
ECET 20700	4	AC Electronics Circuit Analysis	P or C: ECET 15700 & Math 15400
CIT 23300	3	Cmpttr Hardware/Software Arch	P: ECET 10900
PSY B104	3	Psychology as a Social Science	

18

### 5th Semester

Course#	Units	Title	Pre- or Co-requisite
IET 15000	3	Quantitative Methods for Tech	P: Math 15900
BMET 31000	3	Intro to Radiography Systems	P: BMET 22000 or equiv
MATH 222	3	Calculus for Technology II	P: Math 22100
BUS A200	3	Accounting	P: Sophomore standing
TCM 22000	3	Technical Report Writing	P: ENGL W131 or equiv.

15

### 6th Semester

Course#	Units	Title	Pre- or Co-requisite
BMET 42000	3	TechN & Special Patient Populations	P: BMET 32000 or equivalent
Gen Ed Elec	3	see approved crse list	
ECET 28400	4	Computer Communications	P: ECET 10700
TCM 32000	3	Written Comm for Sci & Industry	P: Eng W131 - Junior standing
Gen Ed Elec	3	see approved crse list	

16

### 7th Semester

Course#	Units	Title	Pre- or Co-requisite
BMET 44000	3	Codes Reg & Patient Safety	P: BMET 32000 or equivalent
BMET 49000	1	Project Planning & Design	P: Three BMET 300 or 400 level
ECET 49300	1	Ethics & Professionalism in Tech	
Chem C110	3	The Chemistry of Life LEC	
Chem C115	2	The Chemistry of Life LAB	PorC: Chem C110
TCM 38000	3	Tech Comm in Hlthcare Professn	P: ENGL W131 & Junior standing
ECET 48300	4	Networking Fund w/Microcontrollers	P: ECET 28400

17

### 8th Semester

Course#	Units	Title	Pre- or Co-requisite
BMET 47000	3	Special Topics in BMET	P: Chem C110 & BMET 320 or equiv
BMET 49100	2	BMET Senior Project	P: 3 BMET 300or400 level crses &
OLS Elec	3	see approved crse list	BMET 49000
OLS Elec	3	see approved crse list	
Gen Ed Elec	3	see approved crse list	

14

64 Total Credit Hours AS Degree

126 Total Credit Hours BS Degree

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

**School of Engineering and Technology**



Degree/Program Plan: B.S. Biomedical Engr. Tech.  
 Program/Plan Code: TECH1/BIMENTCHBS  
 Requirement Term: 8/15/2009 [4098]

**Core Requirements - ECET Technical Specialty**

Course#	Units	Term	Grade	Comments
TECH 10200	1			
TECH 10500	3			
ECET 10700	4			
ECET 10900	3			
ECET 15500	3			
ECET 15700	4			
ECET 20700	4			
CIT 23300	3			
ECET 28400	4			
ECET 48300	4			
ECET 49300	1			
BMET 10500	1			
BMET 20900	2			
BMET 22000	3			
BMET 24000	3			
BMET 29000	4			
BMET 32000	4			
BMET 31000	3			
BMET 42000	3			
BMET 44000	3			
BMET 47000	3			
BMET 49000	1			
BMET 49100	2			
total: 66				

**Math and Science Requirements**

Course#	Units	Term	Grade	Comments
MATH 15300	3			
MATH 15400	3			
MATH 22100	3			
MATH 22200	3			
PHYS 21800	4			
IET 15000	3			
CHEM C110&	3			
CHEM C115	2			
total: 24				

Student ID:	
Student Name:	
Program Entry Date:	

**General Education Requirements - Communications, Humanities, Social Science**

Course#	Units	Term	Grade	Comments
ENG W131	3			
COMM R110	3			
TCM 22000	3			
TCM 32000	3			
TCM 38000	3			
PSY B104	3			
Gen Ed Electives*				
Gen Ed _____	3			
Gen Ed _____	3			
Gen Ed _____	3			

*Students must complete courses with societal and global content to satisfy this requirement. Some courses satisfy both societal and global objectives. A selection of those courses are listed below. See department for a complete listing of all approved courses.*

\*Gen Ed Electives: TCM 39900, ART 21000, MUS M110,M174,M394,M398,Z201,Z301,Z385,Z393,Z401, Z403, OLS 32700, AFRO A150,A202, ANTH A103, A104, COMM T130, EALC J117,J118,J119, ECON E304, FREN F117,F118,F119, GEOG G107, GEOL G110, G132, GER G117,G118, HER H100, HIST H105,H106, H109, H113,H114, POLS Y101, Y103, Y215,Y217, REL R111, R133, SOC R234, R312, R315, R317, R320, SPAN S117, S118, S119, SPEA V376,V443, WLAC A117,A118, C117,C118

total: 27

**OLS/Managerial Electives Requirements**

Course#	Units	Term	Grade	Comments
BUS A200	3			
OLS Electives*				
OLS _____	3			
OLS _____	3			
OLS Elecs* OLS 26300,27400,33100,36800,37100,37300,37500,37600,47600				
total: 9				

126 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 Engineering Technology: 274-2363 Offices: ET 201

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