School of Engineering and Technology

Student ID:

Student Name:

Program Entry Date:

Degree/Program Plan: B.S. Healthcare Engr. Tech. Mngt.

Program/Plan Code: TECH1/HETMBS

Requirement Term: 8/15/2013 [4138]

1st Semester

Course#	Units	Title	Pre- or Co-requisites
HETM 10500	1	Intro to HETM	recommended but not required for AS
TECH 10200	1	First Year Seminar for Technology Majo	recommended but not required for AS or BS
TECH 10500	3	Intro to Engr Tech	P or C: ENG W131 and MATH 11100
ECET 10900	3	Digital Fundamentals	P or C: Math 11100 or instructor's consent
MATH 15300	3	Algebra & Trigonometry I	P: Math 11100
Gen Ed Elec	3	Arts & Humanities OR Social Science	
ENGL W131	3	Reading, Writing, and Inquiry	Self Placement

Credit Hours   15   16 credits for BS Degree

2nd Semester

Course#	Units	Title	Pre- or Co-requisites
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	
Gen Ed Elec	3	Arts & Humanities	not required for BS
HETM 22000	3	Applied Human Biology for HETM	P: ENG W131

Credit Hours   16

3rd Semester

Course#	Units	Title	Pre- or Co-requisites
HETM 21900	3	PC & Microprocessor for HETM	P: ECET 10900
HETM 24000	3	The Technology of Patient Care	P: HETM 22000 & ECET 10700
ECET 15700	4	Electronics Circuit Analysis	P: ECET 107 and Math 15300
Chem C110	3	The Chem of Life LEC	
MATH 22100	3	Calculus for Tech I	P: Math 15900 or Math 15400

Credit Hours   16

4th Semester

Course#	Units	Title	Pre- or Co-requisites
HETM 32500	3	Healthcare Devices and Systems	P: BMET 219&240 (C or better) &ECET 157
HETM 29500	1	HETM Internship	see # below
CIT 20200	3	Network Fundamentals	see Program Director
PHYS 21800	4	General Physics	P: Math 15900 or equiv.
PSY B110	3	Introduction to Psychology	
Gen Ed Elec	3	Cultural Understanding	Not required for the BS

Credit Hours   17   14 hours for the BS

67   Total Credit Hours for AS Degree

5th Semester

Course#	Units	Title	Pre- or Co-requisites
IET 15000	3	Quantitative Methods for Tech	P: Math 15900 or Math 15400
HETM 31500	3	Intro to Imaging Modalities	P: HETM 24000 or equiv.
Gen Ed Elec	3	Cultural Understanding	
CIT 40200	3	Des & Implem Local Area Network	P: CIT 20200
TCM 22000	3	Technical Report Writing	P: ENGL W131 or equiv.

Credit Hours   15

6th Semester

Course#	Units	Title	Pre- or Co-requisites
HETM 42000	3	Techn & Special Patient Populations	P: HETM 32500 or equiv.
MATH 22200	3	Calculus for Technology II	P: Math 22100
ECET 20700	4	AC Electronics Circuit Analysis	P or C: ECET 15700 & Math 15400
TCM 32000	3	Written Comm for Sci & Industry	P: ENGL W131 - junior standing
Gen Ed Elec	3	Arts & Humanities	

Credit Hours   16

7th Semester

Course#	Units	Title	Pre- or Co-requisites
HETM 44000	3	Codes Reg & Patient Safety	P: HETM 32500 or equiv.
HETM 49000	1	Project Planning and Design	P: 3 300 or 400 HETM courses + HETM 295
HETM 49300	1	HETM Ethics + Professionalism	senior standing in major + HETM 295
OLS Elec	3	see approved course list	
TCM 38000	3	Tech Comm in Hlthcare Professn	P: ENGL W131 - junior standing
HETM 40200	3	Networking for Healthcare Systems	P: CIT 40200

Credit Hours   14

8th Semester

Course#	Units	Title	Pre- or Co-requisites
HETM 40100	3	Clinical Applications of RFID	P: HETM 21900
HETM 49200	1	Capstone Project	P: BMET 49000
OLS Elec	3	see approved course list	
BUS A200	3	Accounting	P: Sophomore standing
Tech Elec	3	see approved course list	

Credit Hours   13

120   Total Credit Hours for BS Degree

P or C: HETM 32500, P: Completion of HETM 240 with a grade of C or better, overall GPA of 2.0 or higher.

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Student Name:		Program/Plan Code: TECH1/HETMBS
Program Entry Date:		Requirement Term: 8/15/2013 [4138]

Requirements - HETM 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 20200	3			
CIT 40200	3			
HETM 10500	1			
HETM 21900	3			
HETM 22000	3			
HETM 24000	3			
HETM 29500	1			
HETM 32500	3			
HETM 31500	3			
HETM 40100	3			
HETM 40200	3			
HETM 42000	3			
HETM 44000	3			
HETM 49300	1			
HETM 49000	1			
HETM 49200	1			
total:	59			

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			
total:	22			

* Not required for AS or BS Degree

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 B110	3			
Gen Ed Electives*	note: must be selected from Common Core Approved List			
Arts & Humanities	3			
Arts and Humanities OR Social Science	3			
Cultural Understd	3			
total:	27			

Technical Elective Requirement

Course#	Units	Term	Grade	Comments
Tech Elec	3			
total:	3			

OLS/Managerial Electives Requirements

Course#	Units	Term	Grade	Comments
BUS A200	3			
OLS Electives*				
OLS	3			
OLS	3			
OLS Electives* OLS 252, 26300,27400,33100,36800,37100,37300,37500,37600,47600 or advisor approval				
total:	9			

120   Total Credit Hours for BS Degree

Students who earn a final grade (complete the course) in HETM 220, HETM 240 and/or HETM 325 cannot repeat the course more than two times.

Transfer credits evaluation apply only toward HETM degree.

Students with criminal convictions, especially felony records, will likely have limited employment prospects, contact your advisor for more information.

Department of Engineering Technology: 274-2363

Offices: ET 201