

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: 8/15/2018 [4188]

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 Major	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	P: TECH 10500 P or C: MATH 15300
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 19 16 credits for BS Degree

3rd Semester

Course#	Units	Title	Pre- or Co-requisites
HETM 22500	3	Healthcare Tech Diagnostics + Repair	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: HETM 225&240 (C or better) & ECET 157
HETM 29500	1	HETM Internship	see # below
HETM 20200	3	Networking & Data Comm Healthcare E	P: ECET 10900
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

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

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	
Tech Elec	3	see approved list	
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.
OLS Elec	3	see approved course list	
HETM 30200	3	Interoperability of Healthcare Devices	P: HETM 202
TCM 32000	3	Written Comm for Sci & Industry	P: ENGL W131 - junior standing
Gen Ed Elec	3	Arts & Humanities	

Credit Hours 15

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	
HETM 40200	3	Healthcare Device System Security	P: HETM 30200 and HETM 32500
HETM 46000	3	Systems Engr Tech for Healthcare	P: HETM 29500

Credit Hours 14

8th Semester

Course#	Units	Title	Pre- or Co-requisites
Tech Elec	3	see approved list	
HETM 49200	1	Capstone Project	P: BMET 49000
HETM 30100	3	Medical Device Financial Planning	P: HETM 29500
TCM 38000	3	Tech Comm in Hlthcare Professn	P: ENGL W131 - junior standing
HETM 47000	3	Special Topics in HTM	P: HETM 29500

Credit Hours 13

119 Total Credit Hours for BS Degree

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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			
HETM 10500	1			
HETM 20200	3			
HETM 22000	3			
HETM 22500	3			
HETM 24000	3			
HETM 29500	1			
HETM 30100	3			
HETM 30200	3			
HETM 32500	3			
HETM 31500	3			
HETM 40200	3			
HETM 42000	3			
HETM 44000	3			
HETM 46000	3			
HETM 47000	3			
HETM 49300	1			
HETM 49000	1			
HETM 49200	1			

total: 61

* Not required for AS or BS Degree

Math and Science Requirements

Course#	Units	Term	Grade	Comments
MATH 15300	3			
MATH 15400	3			
MATH 22100	3			
PHYS 21800	4			
IET 15000	3			
CHEM C110	3			

total: 19

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 Requirements - see approved list

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

total: 6

Organizational Leadership and Supervision Electives Requirements

Course#	Units	Term	Grade	Comments
OLS Electives*				
OLS	3			
OLS	3			

total: 6

119 Total Credit Hours for BS Degree

final grade (complete

Transfer credits evaluation apply only toward HETM degree.

convictions, especially