



# Healthcare Engr Tech Mgmt AS

IU Indianapolis School of Engr & Tech (TECH)

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**Student's Catalog Year:** Fall 2019–Summer 2022

**Total Degree Map Credits:** 67

**Description:** Healthcare Engineering Technology Management is a program that focuses on the safe and effective use of medical equipment in the clinical setting. Almost all graduates work in hospitals as members of the patient care team, supporting medical staff as they utilize technology for diagnosis and treatment. The focus of the curriculum is on the electronics and networking integral to the myriad of devices and systems critical to contemporary healthcare.

**C Critical Courses:** Courses that students should complete by specific points during their degree or certificate program.

**M Milestones:** Conditions or activities that students should complete by specific points during their degree or certificate program.

**Completing a critical course or milestone by the associated term is considered crucial to on-time graduation.**

## Year One (34 credits)

Fall Term	Minimum Grade	Credits		Spring Term	Minimum Grade	Credits	
ECET 10900 - Digital Fundamentals <b>C</b>		3	^	ECET 10700 - Intro to Circuit Analysis <b>C</b>		4	^
<b>Critical Course</b> <b>Course Details:</b> P or C: MATH 11100 or Instructor permission <b>Required Semester of Completion:</b> Year 1, Fall				<b>Critical Course</b> <b>Course Details:</b> P: TECH 10500 AND C: placement into MATH 15300 <b>Required Semester of Completion:</b> Year 1, Spring			
TECH 10500 - Intro to Engineering Technology <b>C</b>		3	^	ECET 15500 - Digital Fundamentals II		3	^
<b>Critical Course</b> <b>Course Details:</b> P or C: MATH 11100 and ENG-W 131 <b>Required Semester of Completion:</b> Year 1, Fall				<b>Course Details:</b> P: ECET 10900 <b>Required Semester of Completion:</b> Year 1, Spring			
MATH 15300 - Algebra and Trigonometry I	C	3	^	MATH 15400 - Algebra and Trigonometry II	C	3	^
<b>Course Details:</b> Also meets Gen Ed Analytical Reasoning (Math) P: MATH 11100 with a C or better or an appropriate ALEKS placement score. <b>Required Semester of Completion:</b> Year 1, Fall				<b>Course Details:</b> Also meets Gen Ed Analytical Reasoning (Other) P: MATH 15300 with a grade of C or better within the last three semesters <b>Required Semester of Completion:</b> Year 1, Spring			
ENG-W 131 - English Composition		3	^	COMM-R 110 - Public Speaking		3	^

<p><b>Course Details:</b> Also meets Gen Ed Core Communication &amp; Writing Competency  <b>Required Semester of Completion:</b> Year 1, Fall</p>	<p><b>Course Details:</b> Also meets the General Education Speaking &amp; Listening Competency  <b>Required Semester of Completion:</b> Year 1, Spring</p>
<p>Arts &amp; Humanities OR Social Science Elective 3 ^</p> <p><b>Course Details:</b> Also meets the General Education Arts and Humanities OR Social Science Competency  <b>Required Semester of Completion:</b> Year 1, Fall</p>	<p>HETM 22000 - Applied Human Biology for HETM <b>C</b> 3 ^</p> <p><b>Critical Course</b>  <b>Course Details:</b> P: ENG-W 131  <b>Required Semester of Completion:</b> Year 1, Spring</p>
<p>First Year Seminar <b>M</b> ^</p> <p><b>Milestone Details:</b> It is strongly encouraged that students take TECH 10200 or another First Year Seminar during this semester.  <b>Required Semester of Completion:</b> Year 1, Fall</p>	<p>Arts &amp; Humanities Elective 3 ^</p> <p><b>Course Details:</b> Also meets the General Education Arts and Humanities Competency  <b>Required Semester of Completion:</b> Year 3, Spring</p>
<b>Total 15</b>	<b>Total 19</b>

## Year Two (33 credits)

Fall Term	Minimum Grade	Credits	^	Spring Term	Minimum Grade	Credits	^
<p>HETM 22500 - Healthcare Technology Diagnostics and Repair 3 ^</p> <p><b>Course Details:</b> P: ECET 10900  <b>Required Semester of Completion:</b> Year 2, Fall</p>				<p>HETM 20200 - Network and Data Communication for Healthcare Equipment 3 ^</p> <p><b>Course Details:</b> P: ECET 10900  <b>Required Semester of Completion:</b> Year 2, Spring</p>			
<p>HETM 24000 - The Technology of Patient Care <b>C</b> 3 ^</p> <p><b>Critical Course</b>  <b>Course Details:</b> P: HETM 22000 and ECET 10700  <b>Required Semester of Completion:</b> Year 2, Fall</p>	C			<p>HETM 29500 - HETM Internship 1 ^</p> <p><b>Course Details:</b> P: HETM 24000 with a grade of C or better AND Cum. GPA of 2.0 AND C: HETM 32500. While it is strongly encouraged that students complete HETM 29500 to gain valuable real-world experience, students who cannot complete an internship may take OLS 33100(3 cr., Occupational Safety and Health) to satisfy this requirement.  <b>Required Semester of Completion:</b> Year 2, Spring</p>			
<p>ECET 15700 - Electronic Circuit Analysis <b>C</b> 4 ^</p> <p><b>Critical Course</b>  <b>Course Details:</b> P: ECET 10700 and MATH 15300  <b>Required Semester of Completion:</b> Year 2, Fall</p>				<p>HETM 32500 - Healthcare Devices and Systems <b>C</b> 3 ^</p> <p><b>Critical Course</b>  <b>Course Details:</b> P: HETM 24000 with a C or better AND HETM 22500 AND ECET 15700  <b>Required Semester of Completion:</b> Year 2, Spring</p>			
<p>MATH 22100 - Calculus for Technology I 3 ^</p> <p><b>Course Details:</b> P: MATH 15300 AND 15400 with a C or better in the last 3 semesters OR MATH 15900 with a C or better in the last 3 semesters.  <b>Required Semester of Completion:</b> Year 2, Fall</p>				<p>PHYS 21800 - General Physics I 4 ^</p>			
<p>CHEM-C 110 - The Chemistry of Life 3 ^</p>							

<p><b>Course Details:</b> Also meets Gen Ed Life &amp; Physical Sciences Competency  <b>Required Semester of Completion:</b> Year 2, Fall</p>
<p>Students must apply to graduate with School of Engineering and Technology Dean's Office by October 1 in order to graduate in May. <b>M</b></p> <p><b>Required Semester of Completion:</b> Year 4, Fall</p>
<p><b>Total 16</b></p>

<p><b>Course Details:</b> Also meets General Education Life &amp; Physical Sciences Competency P: MATH 15300 and 15400 OR MATH 15900  <b>Required Semester of Completion:</b> Year 2, Spring</p>
<p>PYS-B 110 - Introduction to Psychology <span style="float: right;">3 ^</span></p> <p><b>Course Details:</b> Also meets General Education Social Sciences Competency  <b>Required Semester of Completion:</b> Year 2, Spring</p>
<p>Cultural Understanding Elective <span style="float: right;">3 ^</span></p> <p><b>Course Details:</b> Also meets the General Education Cultural Understanding Competency  <b>Required Semester of Completion:</b> Year 3, Fall</p>
<p><b>Total 17</b></p>

**Degree Map Link:**

<a href="https://sisjee.iu.edu/sisigps-prd/web/igps/dm/public/maps/view?mapId=fae63de1-3fc5-4712-b548-71f7010acc94">https://sisjee.iu.edu/sisigps-prd/web/igps/dm/public/maps/view?mapId=fae63de1-3fc5-4712-b548-71f7010acc94</a>	<a href="#">Copy</a>
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Achieving minimum grades for individual courses may not result in meeting cumulative GPA requirements for admission to programs or for graduation. Verify requirements with your academic advisor or your Academic Advisement Report (AAR).

Completing 30 credit hours each calendar year is required for full state financial aid eligibility. Be sure to complete your FAFSA before March 10 each year. If you follow your map and find a course unavailable, you may be eligible to take that course for free in a future semester.

[More information about the free course guarantee.](#)