IU **Search Degree Maps - iGPS**

Mech Engr Tech BS

IU Indianapolis School of Engr & Tech (TECH)

Career Options [↗] | Financial Aid Options [↗]

Student's Catalog Year: Fall 2015–Summer 2016
Total Degree Map Credits: 120

Description: Mechanical Engineering Technology is a hands-on program that teaches the generation, transmission, and utilization of mechanical and fluid energy, as well as the design and production of tools, machines, and their products. Graduates of the MET program are qualified for positions as Production, Design, Project, or Quality engineers.

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
(30 credits)

Fall Term	Minimum Grade	Credits	⌄
Reading, Writing, and Inquiry I		3	⌃
Course Details: Also meets Gen Ed Core Communication - Writing Competency **Required Semester of Completion:** Year 4, Spring			
Pre-Calculus **C**	C-	5	⌃
Critical Course **Course Details:** Also meets Gen Ed Analytical Reasoning (Math) **Required Semester of Completion:** Year 1, Spring			
Discovering Technology		1	⌃
Required Semester of Completion: Year 1, Fall			
Production Design and Specification **C**		3	⌃
Critical Course **Required Semester of Completion:** Year 1, Fall			
Introduction to Engr Tech **C**		3	⌃

Spring Term	Minimum Grade	Credits	⌄
Elementary Chemistry I **C**		3	⌃
Critical Course **Course Details:** Also meets Gen Ed Core Life & Physical Sciences Competency **Required Semester of Completion:** Year 3, Fall			
Applied Statics **C**		3	⌃
Critical Course **Required Semester of Completion:** Year 1, Spring			
Introduction to Design **C**		3	⌃
Critical Course **Required Semester of Completion:** Year 4, Spring			
Industrial Organization **C**		3	⌃
Critical Course **Required Semester of Completion:** Year 4, Spring			
Fundamentals of Speech Communication		3	⌃

Critical Course
Required Semester of Completion: Year 1, Fall

| | Total | 15 |

Course Details: Also meets Gen Ed Core
Communication - Speaking & Listening Competency
Required Semester of Completion: Year 4, Spring

| | Total | 15 |

Year Two
(30 credits)

Fall Term	Minimum Grade	Credits	⌄
Calculus for Technology I **c**	C-	3	⌃
Critical Course **Course Details:** Also meets Gen Ed Analytical Reasoning (Math) **Required Semester of Completion:** Year 2, Fall			
Applied Strength for Materials **c**		4	⌃
Critical Course **Course Details:** Students must take this course with TCM 2xx **Required Semester of Completion:** Year 2, Fall			
Introduction to Report Writing **c**		1	⌃
Critical Course **Course Details:** Students must take this course with MET 21100 **Required Semester of Completion:** Year 2, Fall			
Dynamics		3	⌃
Required Semester of Completion: Year 4, Spring			
General Physics I **c**		4	⌃
Critical Course **Course Details:** Also meets Gen Ed Core Life & Physical Sciences Competency **Required Semester of Completion:** Year 2, Fall			
	Total	15	

Spring Term	Minimum Grade	Credits	⌄
Calculus for Technology II **c**		3	⌃
Critical Course **Course Details:** Also meets Gen Ed Analytical Reasoning (Math) **Required Semester of Completion:** Year 4, Spring			
Machine Elements **c**		3	⌃
Critical Course **Required Semester of Completion:** Year 3, Spring			
Fluid Power		3	⌃
Required Semester of Completion: Year 4, Spring			
Heat and Power **c**		3	⌃
Critical Course **Required Semester of Completion:** Year 2, Spring			
General Education Arts & Humanities Competency		3	⌃
Course Details: Students can take any course from the Gen Ed Core list for Arts & Humanities **Required Semester of Completion:** Year 4, Spring			
	Total	15	

Year Three
(31 credits)

Fall Term	Minimum Grade	Credits
Applied Thermodynamics		3
Course Details: Students must take this course with TCM 39900 **Required Semester of Completion:** Year 4, Spring		
Technical Analysis and Development		1
Course Details: Students must take this course with MET 32000 **Required Semester of Completion:** Year 4, Spring		
Quantitative Methods for Tech		3
Required Semester of Completion: Year 4, Spring		
Manufacturing Processes		4
Required Semester of Completion: Year 4, Spring		
Engineering Materials		4
Required Semester of Completion: Year 4, Fall		
Total		**15**

Spring Term	Minimum Grade	Credits
Electrical Circuits		3
Required Semester of Completion: Year 3, Spring		
Engineering Economics		3
Required Semester of Completion: Year 4, Spring		
Computer Aided Machine Design		3
Course Details: Students must take this course with TCM 39900 **Required Semester of Completion:** Year 4, Spring		
Data Reporting and Presentation		1
Course Details: Students must take this course with MET 31000 **Required Semester of Completion:** Year 4, Spring		
Applied Fluid Mechanics		3
Required Semester of Completion: Year 4, Spring		
Object Orientated Programming		3
Required Semester of Completion: Year 3, Spring		
Total		**16**

Year Four
(29 credits)

Fall Term	Minimum Grade	Credits
Instrumentation and Controls		3
Required Semester of Completion: Year 4, Spring		
CAD/CAM for Mechanical Design		3
Required Semester of Completion: Year 4, Spring		
Sustainability List		3
Course Details: Students can pick from a list of Technical Sustainability courses **Required Semester of Completion:** Year 4, Spring		

Spring Term	Minimum Grade	Credits
Design of Mechanical Projects		3
Course Details: Students are required to take this with MET 41400 **Required Semester of Completion:** Year 4, Spring		
Technical Communication for the Mechanical Design Process		1
Course Details: Students are required to take this with MET 41400 **Required Semester of Completion:** Year 4, Spring		

General Ed Social Sciences Competency	3	^

Course Details: Students can take any course from the Gen Ed Core list for Social Science
Required Semester of Completion: Year 4, Spring

Technical Selective	3	^

Course Details: Students can take any course from the Technical Selective list
Required Semester of Completion: Year 4, Spring

Notify School of Intent to Graduate [M]		^

Milestone Details: Please contact your school to determine appropriate steps necessary to apply for graduation.
Required Semester of Completion: Year 4, Fall

	Total	**15**

General Ed Cultural Understanding Competency	3	^

Course Details: Students can take any course from the Gen Ed Core list for Cultural Understanding
Required Semester of Completion: Year 4, Spring

General Ed A&H/SS Competency	3	^

Course Details: Students can take any course from the Gen Ed Core list for Arts and Humanities or Social Science
Required Semester of Completion: Year 4, Spring

Technical Selective	3	^

Course Details: Students can take any course from the Technical Selective List
Required Semester of Completion: Year 4, Spring

Ethics & Professionalism	1	^

Required Semester of Completion: Year 4, Spring

	Total	**14**

Degree Map Link: https://sisjee.iu.edu/sisigps-prd/web/igps/dm/public/maps/view?mapId=6fb74599-b3c5-11e4-8143-9463e9cd9b35   Copy

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.