

Bachelor of Science in  
**MECHANICAL  
ENGINEERING  
TECHNOLOGY**



Develop design skills  
in the laboratory  
and in the classroom

Gain experience  
in the areas of  
automation and control

**hands on  
student centered  
performance based**

Customizable  
**curriculum**  
with specialties in:

- **automation**
- **mechanical design**
- **production**

The broadest engineering  
technology discipline

Careers in the Automotive,  
Aerospace, Medical, Manufacturing,  
and Energy sectors

Mechanical Engineering Technology  
is a high pay, high skill,  
high demand discipline

# MECHANICAL ENGINEERING TECHNOLOGY

## 4-Year Comprehensive Guide

<p style="text-align: center;"><b>First Semester Courses (Fall)</b></p> <p>TCM 110 Introduction to Engineering Design 3            ENG 110 Writing I 3            MTH 261 Analytic Geometry &amp; Calculus I 5            CHM 160 General Chemistry I 4            CHM 161 General Chemistry Lab 1            GEP 101 First Year Foundations 2            Total Credit Hours = 18</p>	<p style="text-align: center;"><b>Second Semester Courses (Spring)</b></p> <p>COM 115 Fund of Public Speaking 3            HST 121 or HST 122 History 3            MTH 280 Analytic Geometry &amp; Calculus II 5            PHY 203 Foundations of Physics I 5            Total Credit Hours = 16</p>
<p style="text-align: center;"><b>Third Semester Courses (Fall)</b></p> <p>PHY 204 Foundations of Physics II 5            ACC 201 Introduction to Financial Accounting 3            PHY 233 Engineering Statics 3            ECO 155 Macroeconomics 3            MTH 345 Statistics for Scientists &amp; Engineers 3            Total Credit Hours = 17</p>	<p style="text-align: center;"><b>Fourth Semester Courses (Spring)</b></p> <p>CIS 260 Applic. Dev. I or CSC 125 Intro to C++ 3            TCM 281 Dynamics 3            TCM 273 Mechanics of Materials 3            TCM 315 Thermodynamics &amp; Heat Transfer 3            ENG 210 Writing II 3            Total Credit Hours = 15</p>
<p style="text-align: center;"><b>Fifth Semester Courses (Fall)</b></p> <p>TCM 331 Materials &amp; Manufacturing Processes 3            General Education: Public Issues 3            TCM 337 Quality Control and Measurement 3            TCM 551 Cost Analysis for Project Management 3            TCM 347 Electrical Circuits 3            General Education: Life Sciences 3            Total Credit Hours = 18</p>	<p style="text-align: center;"><b>Sixth Semester Courses (Spring)</b></p> <p>TCM 325 Fluid Mechanics 3            PSY 121 Introductory Psychology 3            PLS 101 American Democracy &amp; Citizenship 3            TCM 355 Production Planning &amp; Control 3            TCM 359 Principles of Project Management 3            Total Credit Hours = 15</p>
<p style="text-align: center;"><b>Seventh Semester Courses (Fall)</b></p> <p>TCM 365 Computer Integrated Manufacturing 3            TCM 311 Product Conceptualization &amp; Design 3            TCM 411 Mechanical Design &amp; Analysis 3            General Education: Arts 3            TCM Elective 3            Total Credit Hours = 15</p>	<p style="text-align: center;"><b>Eighth Semester Courses (Spring)</b></p> <p>TCM 438 Systems Integration 3            General Education: Cultural Competence 3            General Education: Humanities 3            TCM Elective 3            TCM 498 Senior Design 3            Total Credit Hours = 15</p>

Department of  
**Technology & Construction  
 Management**

**want more  
 information?**



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