



# MECHANICAL ENGINEERING TECHNOLOGY

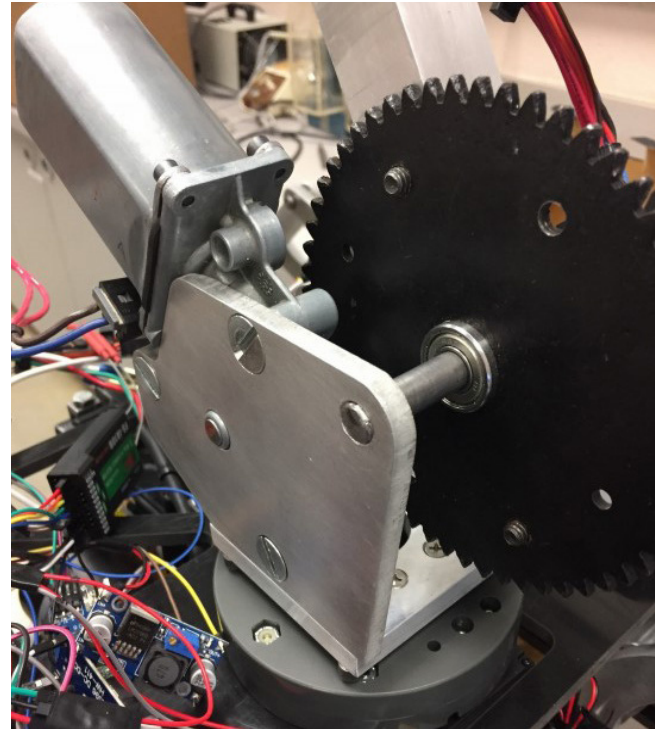
Bachelor of Science in Engineering Technology

Accredited by ABET

**Pittsburg State University**  
COLLEGE OF TECHNOLOGY

Are you interested in pursuing a career within the field of STEM? Do you have a passion for combining ingenuity with a hands-on approach to solving problems? If you are searching for a career in design, testing, manufacturing, or operations, then the Mechanical Engineering Technology field may be just what you've been looking for. Mechanical Engineering Technology is the application of engineering principles and technological developments for the creation of useful products and production machinery.

At Pittsburg State University our Mechanical Engineering Technology coursework focuses on the design and analysis of products and systems, while reinforcing learning through lab activities and projects.



Companies hire our students based upon their ability to design and analyze systems while also having the skills to complete hands-on activities. This program is accredited by the Engineering Technology Accreditation Commission of ABET, <http://www.ABET.org>.

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## Is this the right major for you?

Successful students in mechanical engineering have the following qualities:

- an interest in how things work and designing or making items
- a good work ethic
- good mechanical aptitude
- computer applications
- competence in academic subjects such as:
  - Mathematics
  - Science
  - Computer Aided Design
  - Problem Solving

**Scan to learn more about Mechanical Engineering Technology!**



# MECHANICAL ENGINEERING TECHNOLOGY

## Recommended Sequence

FALL		SPRING	
<b>FRESHMAN</b>			
MATH 122: Plane Trigonometry	3	SOC 100: Intro. to Soc. (or other E1)	3
ENGL 101: English Composition	3	MECET 226: Engineering Graphics II	3
MECET 121: Engineering Graphics I	3	<b>MATH 150: Calculus I</b>	5
ART 233: Drawing I or ART 188: Des. World	3	CHEM 215: General Chemistry I	3
UGS 150: Gorilla Gateway	2	CHEM 216: General Chemistry Lab	2
HHP 150: Lifetime Fitness (or other G)	1		
	<b>15</b>		<b>16</b>
<b>SOPHOMORE</b>			
<b>PHYS 104: Engineering Physics I</b>	4	<b>MECET 220: Statics (ZTC)</b>	3
<b>PHYS 130: Elem. Physics Lab I (WL)</b>	1	PHYS 105: Engineering Physics II	4
MFGET 263: Manufacturing Methods I	2	PHYS 131: Elementary Physics Lab II	1
MFGET 268 Manufacturing Methods I Lab	1	ENGL 299: Intro to Research Writing	3
MATH 154: Engineering Calculus II (F)	4	COMM 207: Speech Communication	3
ETECH 310: Engr. Materials & Metallurgy	3		
	<b>15</b>		<b>14</b>
<b>JUNIOR</b>			
MECET 428: Thermodynamics (ZTC) (F)	3	<b>MECET 523: Mechanical Design I (S)</b>	3
<b>MECET 423: Mechanics of Materials (ZTC)</b>	3	EET 247: Computer Prog. For Electron. Sys.	3
<b>MECET 424: Mechanics of Mat. Lab (WL)</b>	1	EET 343: Automation I: Industrial Control	3
MECET 524: Fluid Mechanics (ZTC)	3	*** Emphasis Course	3
MECET 525: Fluid Mechanics Lab	1	*** Emphasis Course	3
*** Emphasis Course	4		
	<b>15</b>		<b>15</b>
<b>SENIOR</b>			
PSYCH 155: Gen. Psych. (or other G)	3	<b>MFGET 669 Manufacturing/Design II (S)</b>	3
<b>MFGET 666: Manufacturing Project I (F)</b>	2	MECET 323: Industrial Graphics	3
***Emphasis Course	3	502: Engineering Economy	3
*** Emphasis Course	3	*** Emphasis Course	3
*** Emphasis Course	4	*** Emphasis Course	3
	<b>15</b>		<b>15</b>

### Emphasis Areas

- Design
- Automation
- Manufacturing
- Automotive

### Career Opportunities

Graduates typically take jobs with engineering titles working in design, tool design, personal liaison, power plant design, manufacturing planning or system design integration.

### Ask us About

- Internships
- Summer Employment
- Scholarships
- Flat-Rate tuition
- Gorilla Advantage

### Starting Salaries

Typical starting salaries range from \$60,000-\$75,000.

Our Mechanical graduates experience a job placement rate of nearly 100%.



general motors  
**Peerless**  
Products Inc

TEXTRON AVIATION

### Recruiting Companies:



Dimensional  
Innovations



Honeywell

CAT Ducommun



BURNS  
MCDONNELL

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