



# MANUFACTURING ENGINEERING TECHNOLOGY

Bachelor of Science in Engineering Technology  
Bachelor of Applied Science

Pittsburg State University  
COLLEGE OF TECHNOLOGY

The goal of Pittsburg State University's Manufacturing Engineering Technology program is to provide students with the tools necessary for success. These tools are gained from classroom instruction, laboratory experience, industrial and co-op experience, and manufacturing contacts for career opportunities. Manufacturing Engineering Technology gives you the knowledge and flexibility you will need for a rewarding career in a broad range of engineering technology fields. Career choices are available from a wide range of industries including aircraft, automotive, agriculture, metal casting, and many more. The Manufacturing Engineering Technology program at Pittsburg State University has a four-year curriculum that culminates in a Bachelor of Science Degree in Engineering Technology. The Manufacturing Engineering Technology program is fully accredited by the Engineering Technology Accreditation Commission of ABET. <http://www.ABET.org>



## Join the club!

Enrich your experience and get involved with our student organizations.

- American Foundry Society (AFS)
- Society of Manufacturing Engineers (SME)
- Society of Women Engineers (SWE)

Follow us on:



@PittEtech



@psu\_etech

To learn more about Manufacturing Engineering Technology visit [www.pittstate.edu/manufacturing](http://www.pittstate.edu/manufacturing)

## Is this the right major for you?

Successful students in manufacturing have the following qualities:

- An interest in how things are made
- A good work ethic
- Good mechanical aptitude
- Computer applications
- Competence in STEM related subjects
- Enjoys hands on learning

# MANUFACTURING ENGINEERING TECHNOLOGY

## Recommended Sequence

FALL		SPRING	
FRESHMAN			
ENGL 101: English Composition	3	ENGL 299: Intro. To Research Writing	3
HHP: 150: Lifetime Fitness Concepts	1	MATH 150: Calculus I	5
MATH 122: Plane Trigonometry	3	CHEM 105: Intro Chemistry	3
MECET 121: Engineering Graphics	3	CHEM 106: Intro Chemistry Lab	1
MFGET 263: Manufacturing Methods I	2	MECET 226: Computer Aided Design	3
MFGET 268: Manufacturing Methods I Lab	1		
UGS 150: Gorilla Gateway	2		
	15		15
SOPHOMORE			
COMM 207: Speech	3	MFGET 162:Welding Proc. & Procedures	3
MATH 143: Elementary Statistics	3	ART 233: Drawing I or Designed World	3
PHYS 100: College Physics I (or PHYS 104)	4	MGT 101: Intro. To Business	3
PHYS 130: Elementary Physics I Lab	1	MECET 220: Statics	3
MFGET 367: Manufacturing Methods II	4	EET 141: Intro. Electronics	3
	15		15
JUNIOR			
MFGET 363: Principle of Tool Design	3	ECON 191: Issues in Today's Economy	3
MECET 423: Mechanics of Materials	3	ETECH 502: Engineering Economy	3
MECET 434: Mechanics of Materials Lab	1	MFGET 405: Quality Control	3
MFGET 567: Principle of Metalcasting	3	EET 340: Intro. To Industrial Automation	3
MFGET 568: Metalcasting Process Lab	2	Approved technical Elective	3
FCS 203: Nutrition and Health	3		
	15		15
SENIOR			
MECET 420: Kinematics	2	EST 393: Intro To Industrial Safety	3
MFGET 564: Heat Treat and Metallurgy	3	MFGET 662: Computer Aided Manuf. II	2
MFGET 569: Casting Design & Simulation	3	MFGET 669: Mfg. & Design Project II	3
MFGET 661: Computer Aided Manufacturing	3	MFGET 690: Mfg. Prod. Control & Management	3
MFGET 666: Mfg. & Design Project I	2	MECET 524: Fluid Mechanics	3
Approved technical Elective	2	MECET 525:Fluid Mechanics Lab	1
	15		15

### Career Opportunities

- Production Engineering
- Project Engineering
- Foundry Process Engineering
- Quality Control Engineering
- Manufacturing Engineering
- Computer Aided Design
- Computer Aided Manufacturing
- Plant Maintenance and Facilities Engineering

### Recruiting Companies

- Case New Holland
- Arconic
- Spirit AeroSystems
- Tesla Motor Company
- Cessna Aircraft
- General Motors
- Caterpillar
- American Castings
- Honeywell

### Starting Salaries

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

Our Manufacturing graduates experience a job placement rate of nearly 100%



### Facilities

- Manufacturing Laboratory
- Welding & Fabrication Laboratory
- Advanced CNC Machining Equipment
- Water Jet Cutting
- Metal Casting Laboratory

### Ask us about

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

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