



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 is a four-year curriculum that culminates in a Bachelor of Science Degree in Engineering Technology.



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)

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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

Go to www.pittstate.edu/etch to learn more about all of our departments!

MANUFACTURING ENGINEERING TECHNOLOGY

Recommended Sequence

FALL		SPRING	
FRESHMAN			
ENGL 101: English Composition	3	ETECH 120: Introduction to Additive Manufacturing	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
ENGL 299: Introduction to Research Writing	3	MATH 143: Elementary Statistics	3
PHYS 100: College Physics I (or PHYS 104)	4	MFGET 367: Manufacturing Methods II	4
PHYS 130: Elementary Physics I Lab	1	MECET 220: Statics	3
ETECH 320: Design for Additive Manufacturing	3	EET 141: Intro. Electronics	3
	14		16
JUNIOR			
EET 340: Introduction to Industrial Automation	3	ECON 191: Issues in Today's Economy	3
ETECH 310: Engineering Materials and Metallurgy	3	EST 393: Intro to Industrial Safety	3
FCS 203: Nutrition and Health	3	MECET 423: Mechanics of Materials	3
MFGET 363: Principles of Tool Design	3	MECET 434: Mechanics of Materials Lab	1
MGT 101: Introduction to Business	3	MFGET 567: Principles of Metalcasting	3
		MFGET 568: Metalcasting Processing Lab	2
	15		15
SENIOR			
ART 233: Drawing I or Designed World	3	ETECH 502: Engineering Economy	3
MFGET 661: Computer Aided Manufacturing	3	MFGET 524: Fluid Mechanics	3
MFGET 569: Casting Design & Simulation	3	MFGET 525: Fluid Mechanics Lab	1
MFGET 405: Quality Control	3	MFGET 690: Mfg. Prod. Control & Management	3
MFGET 666: Mfg. & Design Project I	2	MFGET 669: Manufacturing and Design Project II	3
	14		15

Career Opportunities

- Production Engineering
- Project Engineering
- Foundry Process Engineering
- Quality Control Engineering
- Manufacturing Engineering
- Computer Aided Design
- Computer Aided Manufacturing

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%

Scan to learn more about Manufacturing Engineering!



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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