



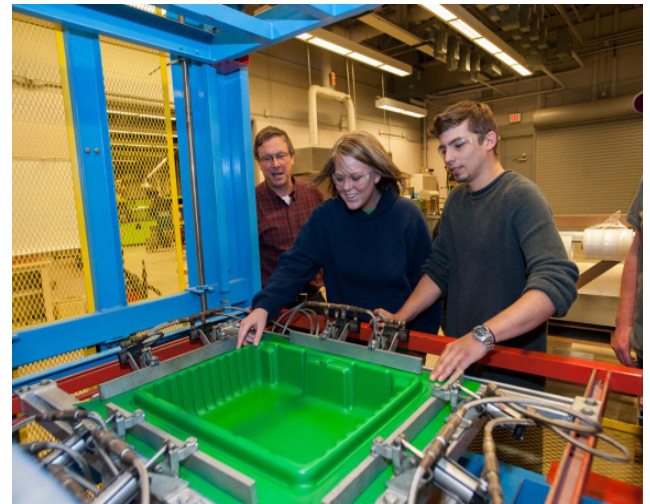
# PLASTICS ENGINEERING TECHNOLOGY

Bachelor of Science in Engineering Technology  
Bachelor of Applied Science

Pittsburg State University  
COLLEGE OF TECHNOLOGY

Look around and you will discover that plastics have a huge impact on your every day life. Nearly 50% of a modern day automobile is made of plastic parts. You will also encounter plastics in electronic devices, food and consumer product packaging, medical devices and more. It would be hard to imagine a world without plastic products.

Pittsburg State University is one of six Plastics programs to be accredited by the Engineering Technology Accreditation Commission of ABET, <http://www.ABET.org>. We provide our students with the skill to design quality products and processes while focusing on sustainability and lean manufacturing practices. Practical hands-on laboratory experience and real world internships are a key element of the program. Allow our faculty to prepare you for an exciting career in the fastest growing manufacturing sector in the United States.



## Join the club!

Enrich your experience and get involved with our student organizations.

- Society of Plastics Engineers (SPE)
- Society of Women Engineers (SWE)
- Society of Manufacturing Engineers (SME)

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



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## Is this the right major for you?

Successful students in plastics 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
  - Chemistry
  - Speech
  - English
- the willingness to learn technical subjects

# PLASTICS ENGINEERING TECHNOLOGY

## Recommended Sequence

FALL		SPRING	
<b>FRESHMAN</b>			
ENGL 101: English Composition	3	PET 281: Plastics Testing Technology	3
CHEM 215: General Chemistry	3	MFGET 263: Manufacturing Methods I	2
CHEM 216: General Chemistry Lab	2	MFGET 268: Manufacturing Methods I Lab	1
HHP 150: Lifetime Fitness Concepts	1	MATH 150: Calculus I	5
PET 185: General Plastics	3	BIOL 113: Environmental Life Science	4
PET 180: General Plastics Lab (WL)	1		
UGS 150: Gorilla Gateway	2		
	<b>15</b>		<b>15</b>
<b>SOPHOMORE</b>			
CHEM 360: Intro to Poly Science Tech.	3	EET 141: Introductory Electronics	3
ENGL 299: Intro to Research Writing	3	MECET 226: Computer-Aided Design	3
COMM 207: Speech Communication	3	PHYS 104: Engineering Physics	4
MECET 121: Engineering Graphics I	3	PHYS 130: Elementary Physics Lab	1
PET 272: Plastics Processing I Lab	1	Gen Ed (Lang & Culture/Fine Arts)	3
PET 273: Plastics Processing I	3		
	<b>16</b>		<b>14</b>
<b>JUNIOR</b>			
ENGL 301: Tech./Prof. Writing	3	PET 374: Thermoset Resins	3
PET 370: Thermoplastic Resins Lab	1	PET 375: Thermoset Resins Lab	1
PET 371: Thermoplastic Resins	3	PET 376: Plastics Processing II Lab	1
PET 585: Part & Mold Design I	3	PET 377: Plastics Processing II	3
Gen Ed (Economy/Business)	3	MATH 143: Elementary Statistics	3
Gen Ed (Social Studies: WL)	3	CHEM 625: Polymer Synthesis & Character	3
		CHEM 626: Polymer Synthesis & Char. Lab	2
	<b>16</b>		<b>16</b>
<b>SENIOR</b>			
MECET 524: Fluid Mechanics	3	PET 684: Part & Mold Design II	3
MECET 525: Fluid Mechanics Lab	1	PET XXX: Plastics Elective	3
MFGET 405: Quality Control	3	ETECH 502: Engineering Economy	3
EET 340: Intro. To Industrial Automation	3	PYSCH 155: General Psychology	3
EST 393: Intro to Industrial Safety	3	PET 687: Senior Project II	2
PET 586: Senior Project I	1		
	<b>14</b>		<b>14</b>

### Career Opportunities

- Process Engineering
- Part / Mold Design
- Project Management
- Quality Control
- Sales
- Research and Development
- Materials Engineering
- Supervision / Management

### Recruiting Companies

- Nike
- BD Medical
- Sonoco
- Chevron-Phillips
- Newell Brands
- Kohler
- R&D Leverage
- Fabrik Molding
- Yanfeng Automotive Interiors
- Honeywell
- Cobalt Boats
- Rehrg Pacific Company

### Starting Salaries

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

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

### Facilities

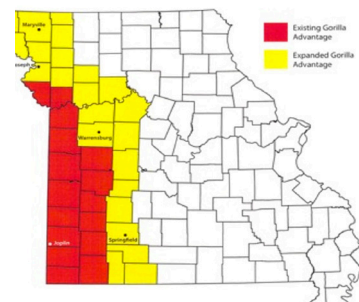
The Kansas Technology Center houses six state-of-the-art laboratories which include industry-sized equipment. Process include: injection molding, extrusion, blow molding, rotational

### Ask us about

- Internships/Summer employment
- Scholarships
- Flat-Rate tuition
- Gorilla Advantage
- Gorilla Edge

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Gorilla Advantage Expansion  
Missouri Counties



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