

# Industrial & Engineering Technologies



**“It is comforting to know that my degree is wanted in the ‘real world’ ...”**

***degrees that work.***

## **Bradley Galloway**

Degree: Electronics Engineering Technology

Hometown: York

Brad's internship with a defense company, working with unmanned air vehicle and ground control systems, led to an offer of full-time employment after graduation.

Go online to learn more about ***degrees that work*** and to view student projects and video profiles.

# Pennsylvania College of Technology

PENNSTATE



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# Industrial & Engineering Technologies

## BACHELOR'S DEGREES

Civil Engineering Technology (BCT)  
Computer Aided Product Design (BCD)  
Electronics and Computer Engineering Technology (BEE)  
Manufacturing Engineering Technology (BAF)  
Plastics and Polymer Engineering Technology (BPS)  
Welding and Fabrication Engineering Technology (BWE)

## ASSOCIATE'S DEGREES

Automated Manufacturing Technology (AF)  
Civil Engineering Technology (CT)  
Computer Aided Drafting Technology (CD)  
Electronics and Computer Engineering Technology  
    Communications and Fiber Optics Emphasis (EF)  
    Electronics and Computer Engineering Emphasis (EE)  
    Nanofabrication Technology Emphasis (NF)  
    Robotics and Automation Emphasis (RO)  
Machine Tool Technology (MY)  
Plastics and Polymer Technology (PS)  
Surveying Technology (SU)  
Welding Technology (WA)

## CERTIFICATES

Applied Technical Studies: Machining Emphasis (TG)  
Applied Technical Studies: Welding Emphasis (TW)  
Machinist General (MG)  
Welding (WE)

## COMPETENCY CREDENTIAL

Nanofabrication Technology (018)

## Accreditations, Endorsements, and Certifications

Accreditation Board for Engineering and Technology (ABET)

*Civil Engineering Technology  
(B.S. & A.A.S.)  
Plastics & Polymer  
Engineering Technology  
Plastics & Polymer Technology  
Surveying Technology*

American Design Drafting Association (ADDA)

*Computer Aided Drafting Technology*

American Welding Society (AWS)

*Welding & Fabrication Engineering  
Technology  
Welding Technology  
Welding*

Cisco Systems Networking Academy  
National Institute of Metalworking Skills (NIMS)

*Automated Manufacturing Technology  
Machine Tool Technology  
Machinist General  
Manufacturing Engineering Technology*

Pennsylvania Nanofabrication Manufacturing Technology (NMT)

*Nanofabrication Technology*

## Student Organizations and Activities

- American Society of Civil Engineers (ASCE)
- American Welding Society (AWS)
- Institute of Electrical & Electronics Engineers (IEEE)
- Instrument Society of America (ISA)
- Pennsylvania Society of Land Surveyors (PSLS)
- Society of Manufacturing Engineers (SME)
- Society of Plastics Engineers (SPE)
- SkillsUSA Champions at Work
- Wildcat Amateur Radio Club (WARC)



**“We offer small classes and experienced faculty who possess specific work experience in the areas in which they teach. Our mission is to provide quality educational programs related to economic and employment realities in the technology areas.”**

**Donald Praster**

*Dean, School of Industrial & Engineering Technologies*

Penn College is a special mission affiliate of Penn State, committed to applied technology education.

More than 6,500 students are enrolled in bachelor-degree, associate-degree, and certificate majors representing more than 100 career areas. Small classes, hands-on learning, industry-standard equipment, and faculty with real-world work experience contribute to Penn College's excellent graduate-placement rates.

Business and industry connections play a vital role in students' success in the workplace and position Penn College as a leader in higher education and workforce development.

An affiliate of The Pennsylvania State University

*Penn College operates on a nondiscriminatory basis.*

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