



As a leader in additive manufacturing and design (AMD) education and research, Penn State prepares tomorrow's additive manufacturing engineers to advance and enhance manufacturing concepts and capabilities. Through its master of engineering, master of science, and graduate certificate in AMD, Penn State provides flexible residential and online options to meet the needs of today's graduate students.

# amd.psu.edu

©2023 The Pennsylvania State University. All Rights Reserved. This publication is available in alternative media on request. Penn State is an equal opportunity, affirmative action employer, and is committed to providing employment opportunities to all qualified applicants without regard to race, color, religion, age, sex, sexual orientation, gender identity, national origin, disability, or protected veteran status. U.E.d. ENG 24-81

## **Graduate Program Offerings**

#### **Graduate Certificate**

- Offered online through a partnership with Penn State World Campus
- Full-time or part-time enrollment available
- 12 credits

#### Master of Engineering

- Offered online through a partnership with World Campus
- Full-time or part-time enrollment available
- 30-32 credits
- Scholarly paper required

#### **Master of Science**

- Offered in-residence at University Park
- Full-time enrollment
- 30-36 credits
- Master's scholarly paper or thesis required

## **Education and Research**

AMD courses and research showcase the multidisplinary aspect of the program, offering big picture concepts and in-depth experiences and education.

#### Core course topics highlight:

- Science of Additive Manufacturing
- Additive Manufacturing Materials
- Design for Additive Manufacturing
- Additive Manufacturing Processing
- Metal Additive Manufacturing Lab

### More than 60 leading AMD faculty at Penn State explore existing and emerging multidisciplinary fields including:

- Cybersecurity
- Data Science
- Bioprinting
- In Situ Sensing
- Machine Learning
- Materials Design









ICE MATERIALS DE

DESIGN

PROCESS





35+

State-of-the-art 3D-printing labs and facilitates at University Park Learn more

