

Peoria Unified School District



**Want to know more?**

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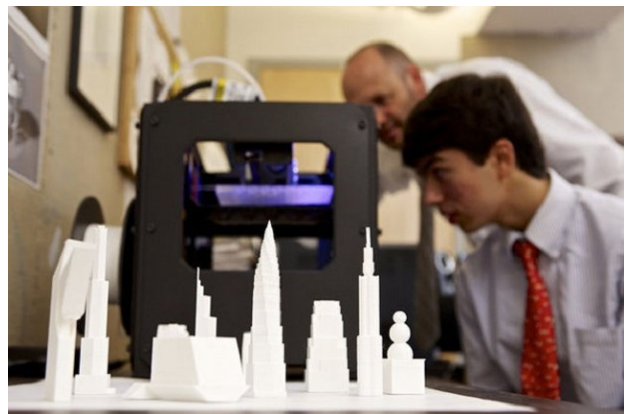
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623.773.6701

## MET PROFESSIONAL ACADEMY—ENGINEERING, ENTREPRENEURSHIP, INNOVATION

### IN THIS PROGRAM, STUDENTS WILL:

- Realize their strengths and passions by exploring engineering fundamentals, entrepreneurship and innovation.
- Gain knowledge and skills through hands-on, project-based learning
- Cultivate professional skills critical to success in all college and career endeavors
- Use design thinking to develop innovative solutions to improve the lives of others
- Work alongside a diverse range of industry professionals from companies and organizations such as: APS, Engineering Projects in Community Service (EPICS), SEED SPOT, BioAccel, Digital Promise Global, Hewlett Packard, Microsoft, Empire Southwest/Empire Renewable Energy, AZTECH, Arizona Manufacturing Partnership, and the Maricopa Advanced Technology Education Center
- Develop business plans contributing to real-world solutions to current and future challenges
- Apply a creative approach to problem solving called human-centered design
- Utilize state-of-the-art technology and tools for prototyping



**APPLY NOW!** Download the application at: [www.peoriaunified.org/met](http://www.peoriaunified.org/met)

### STEPS TO SUBMIT YOUR APPLICATION

Step 1: Complete all form fields on the application.

Step 2: Meet with your counselor to obtain his or her approval.

Step 3: Submit your completed application to your counselor.

## HIGH SCHOOL COURSE SEQUENCE

First Year:

Semester One

MET Engineering I—Design Thinking

MET Engineering I Professional Internship

Semester Two

MET Engineering II—Innovation

MET Engineering II Professional Internship

Second Year:

Semester Three

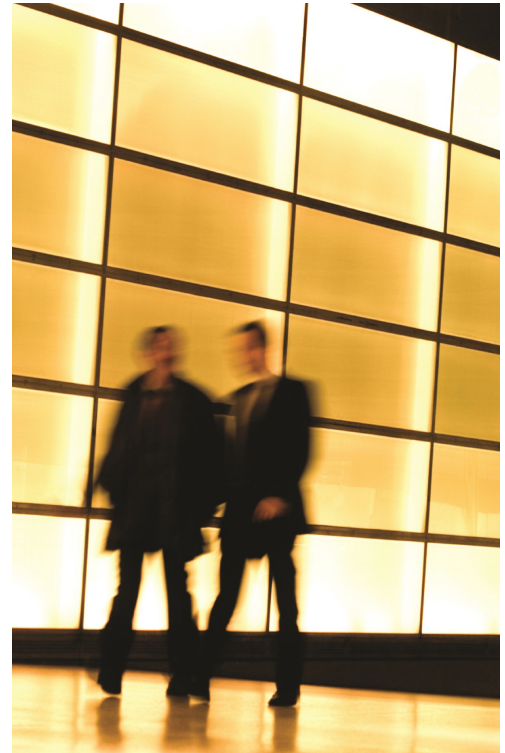
MET Engineering III—Entrepreneurship

MET Engineering III Professional Internship

Semester Four

MET Engineering IV—Capstone Project

MET Engineering IV Professional Internship



## COLLEGE DUAL-ENROLLMENT COURSES

Engineering Analysis Tools and Techniques (ECE102) – 2 credits

Learning culture of engineering, engineering use of computer tools, and computer modeling as applied to engineering analysis and design. Prerequisites: Two years of high school algebra or MAT122 or permission of Department or Division.

Engineering Problem Solving and Design (ECE103) – 2 credits

Fundamentals of the design process: engineering modeling, communication and problem-solving skills in a team environment. Emphasis on process-based improvements to the design process. Introduction to engineering as a profession.

## COLLEGE PROGRAM PARTNERS

Glendale Community College (founding dual-enrollment partner)

ASU Ira A. Fulton Schools of Engineering

ASU Office of Entrepreneurship + Innovation

ASU School of Earth and Space Exploration

ASU Center for Gender Equity in Science and Technology

DeVry University

Trine University

## CERTIFICATIONS

Snap-On Certifications: Mechanical and Electronic Torque, Multimeter, Precision Measurement