

COMPUTER-AIDED DRAFTING & DESIGN



"Millersville's CADD program has provided me with a strong foundation in a variety of industry relevant software and their application."

—graduating CADD senior

Computer-aided drafting and design encompasses far more than the ability to use software. Graduates demonstrate a high level of problem-solving ability in the practical application of theoretical principles for both mechanical and architectural design.

DEGREE

BACHELOR OF SCIENCE (B.S.)

Applied Engineering and Technology Management (AETM)

The **Computer-Aided Drafting and Design** concentration is designed to provide students with theoretical and practical skill in drafting and design. This option provides experiences in drafting & design in addition to advanced work in the areas of technical freehand drawing, design methodology, design for manufacture, technical illustration and rendering using computer-aided drafting systems. All courses feature practical laboratory experiences allowing students to work with equipment, materials, and processes that will lead to successful careers in the drafting/design field.

ASSOCIATE OF TECHNOLOGY (A.T.)

Applied Engineering and Technology (AET)

The **Computer-Aided Drafting** concentration within this program provides students with the same basic technical coursework as the AETM program, but without courses in management.

MINOR IN COMPUTER-AIDED DRAFTING & DESIGN

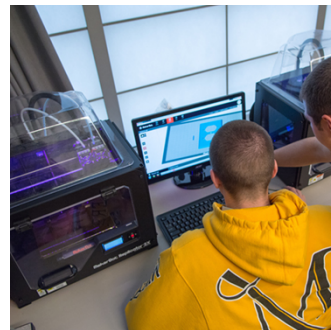
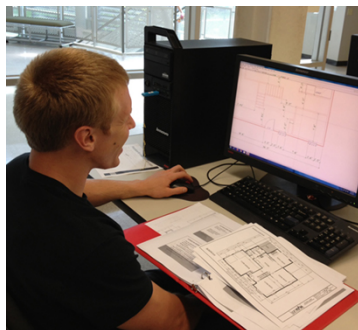
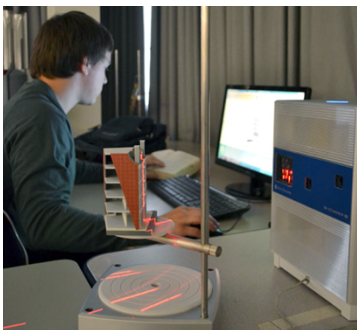
Computer-Aided Drafting & Design minor students complete 18 credits of technical courses. One of these is a foundational course in drafting and design and then students choose five technical courses from topics like production materials and processes, computer-aided engineering drawing, product design, architectural drawing, and several others.

3 Reasons to choose CADD

AT MILLERSVILLE UNIVERSITY

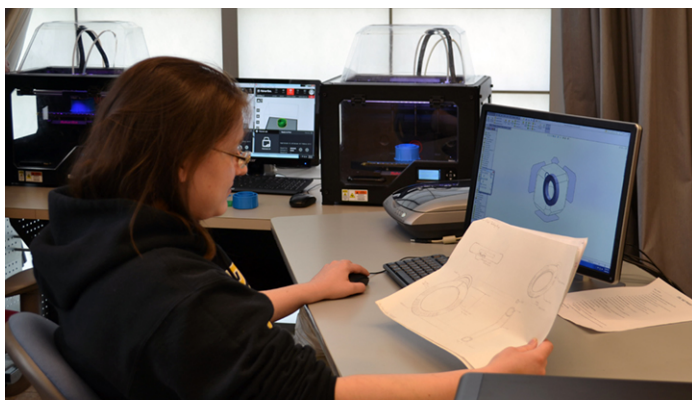
1. Enjoy a blend of theoretical, technical and hands on education.
2. Become highly competent in multiple industry standard CADD software applications.
3. Create excellent employment opportunities in various engineering industries.





INTERNSHIP OPPORTUNITIES

Students are encouraged to seek an industrial internship position to gain practical experience with industrial production procedures. CADD internships typically focus on industrial design, CADD management, mechanical design, industrial support, technical illustration, and residential design. Faculty work to ensure the student receives the best possible learning experience from their industrial partnership, in both technical and managerial activities.



CLUBS & ACTIVITIES

Epsilon Pi Tau (EPT) – Beta Phi Chapter. Epsilon Pi Tau is an international honors society in technology. At Millersville, this includes Technology & Engineering Education, Applied Engineering & Technology Education, Applied Engineering & Technology Management, and Occupational Safety & Environmental Health majors.

SME – Millersville University. SME (**formerly the Society of Manufacturing Engineers**) is an organization for individuals, students, educators and companies involved in all facets of manufacturing. Founded in 1932, it is dedicated to advancing and educating the manufacturing industry. SME focuses its efforts on several areas of manufacturing: aerospace and defense, energy, medical, and motorized vehicles.

The Submersible Research Team– The purpose of the Submersible Research Team is to provide an experience for members to research and develop autonomous platforms via underwater remotely operated vehicles, and custom platforms.

ABOUT OUR GRADUATES

Graduates of the Computer-Aided Drafting and Design concentration are prepared to use multiple CADD based software systems, apply theoretical principles of mechanical and architectural design, and solve complex design problems.. Typical entry-level professions include:

- Industrial/Product Designer
- CADD Management
- Mechanical Design Engineer
- Residential Designer
- Industrial Sales & Support

FACILITIES

There are four separate laboratory facilities dedicated to the CADD program.

- Drafting Communication Lab
- Advanced CADD and Rapid Prototyping Lab
- Innovation Laboratory
- General CADD Lab

ACCREDITATION

Applied Engineering & Technology Management degrees are accredited by The Association of Technology Management and Applied Engineering (ATMAE).

FOR INFORMATION CONTACT:

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