



# CAD

## Program Description

Computer Aided Drafting and Design (CAD) program is a technical, hands-on, visual curriculum for students who like designing houses or machines. Utilizing advanced computer graphics, students will draw 2D and 3D objects while using extremely powerful and sophisticated software. Each student will have the opportunity to choose a pathway along the ARCHITECTURE or the MECHANICAL DESIGN curriculum. The course features 3D modeling programs such as Inventor, AutoCAD and Architectural Revit. Knowledge gained within the CAD program curriculum will help prepare you for a well-paying, high demand career in industrial or commercial design, architecture, and in all areas of engineering. Students will finish this program with entry level job skills. The CAD program sets a good foundation for moving into higher level education. The Education and Technology Center has articulation agreements with many colleges and universities enabling students to gain college credits for completing these courses.

## Related Professions

- Commercial Design
- Architecture
- Engineering
- Interior Design

## Lapeer County Education and Technology Center

690 N. Lake Pleasant Rd.  
Attica, MI 48412  
(810) 664-1124  
[www.lapeerisd.org](http://www.lapeerisd.org)

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## Articulations:

### Baker College:

- CAD111-Computer Aided Drafting I
- CAD 112-Computer Aided Drafting II

### Davenport University (up to 30 credits)

### Delta College:

- CAD 114 or SKCA 114-2 credits
- DRF 105-3 credits
- DRF 107-3 credits
- DRF 121-3 credits
- ARC 105-4 credits
- ARC 114 or SKCA 114-2 credits

### Ferris State University:

- CTD 111-6 credits
- CTD 112-3 credits

### Mott Community College:

- CADD 120 2D CADD Applications

### Oakland Community College:

- ARC 1000-Basic Architectural Drawing & Drafting (4 credits)
- CAD 1101-Intro to CAD and Drafting (4 credits)
- DDT 1000-Fundamentals for Drafting Industry (3 credits)

## Program Success Indicators

### Academic

- 9<sup>th</sup> grade reading level
- 9<sup>th</sup> grade writing level
- Pre-Algebra
- Basic Drawing
- Basic Art
- Basic Computer Skills

### Interpersonal

- Able to work with other students
- Be responsible when not supervised
- Good attendance with positive attitude
- Able to follow directions
- Able to work well with adults

### Program specific

- Consistent attendance
- Interest in program area

### Instructor:

**Nathan Cobb**  
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*Paraprofessional: Jamie Boxey*