



CAD

Program Description

Computer Aided Drafting and Design (CAD) program is a technical, hands-on, visual curriculum for students who like drawing, creating and designing. Utilizing advance 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, ANIMATION or the MECHANICAL DESIGN curriculum. The course features 3D modeling programs such as Inventor, AutoCAD, 3DS MAX, 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, animation, and in all areas of engineering. There are also opportunities in film animation, teaching, business, and interior design. Students will finish this program with entry level job skills. Students in the CAD program will be setting a good foundation to move onto 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
- Animation
- Engineering
- Interior Design
- Business

Lapeer County Education and Technology Center

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 Attica, MI 48412
 (810)664-1124
www.lapeeredtech.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 100-3 credits
- CADD 110-3 credits

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)

Possible Certifications:

SolidWorks Certification

Program Success Indicators

Academic

- 9th grade reading level
- 9th 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:

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