

## Take the Next Step

Go to [www.kellogg.edu/computer-aided-drafting-design-cadd](http://www.kellogg.edu/computer-aided-drafting-design-cadd) for more information about KCC CAD courses and career options.

### CONTACTS

#### Admissions

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#### CAD Program

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## Computer-Aided Drafting and Design Technology Program



## Computer-Aided Drafting and Design Technology Program (CAD)

The Computer-Aided Drafting and Design program prepares students to use engineering principles and CAD technology to produce 2D working drawings and 3D models. The CAD program is designed to provide the critical link between engineering design and product manufacturing. During their program of study students will learn: mechanical drawing, architectural drawing, basic design principles, material properties, and manufacturing processes. Two of the most popular CAD programs used in the industry, AutoCAD and SolidWorks, are utilized in the program, and physical models can be produced with our 3D printer.

### EMPLOYMENT OPPORTUNITIES

The CAD program prepares students to enter the workforce as drafters, designers, and CAD technicians.

Job growth rate from 2006-2016	Local	State*
Computer-Aided Drafter/Engineer/Technician	13.7%	8.1%
<b>Median Annual Earnings</b>		
Computer-Aided Drafter	\$40,630	\$48,210
Industrial Engineering Technician	\$47,290	\$49,030
Mechanical Engineering Technician	\$51,580	\$50,700

\* Source: Bureau of Labor Market Information & Strategic Initiatives [www.milmi.org](http://www.milmi.org)

If you wish to continue your education, the 2+2 transfer to the Product Design Engineering Technology program at Ferris State University is the most popular choice.



### DEGREE PROGRAM

The CAD program leads to an Associate in Applied Science degree. The associate degree program is 66 to 68 credit hours of CAD courses, related specialty courses, and general education.

### COURSE WORK

The course work within the CAD program is designed to provide students with classroom and hands-on learning that will help them to be successful in the workplace. The sequence of CAD, applied mathematics, science, and general education courses are fully integrated to produce a well-rounded technical graduate. Topics in the degree program include:

- Drafting
- Detailing
- 3D Modeling
- Architecture
- Rapid Prototyping
- Manufacturing Processes
- Material Science
- Math and Physics
- Statics and Strengths of Materials