

# Computer-Aided Design

*Program not accepting new students for 2021-2022.  
Consult with an advisor for options.*

## THE PROGRAM

Drafters and designers have always been the professionals responsible for turning dreams into reality by preparing the technical drawings to create a product or structure. They will always be in demand. Computer-Aided Design (CAD) is drafting in the digital age. By using CAD software, drafters and designers are able to more easily and efficiently explore design possibilities. Creating drawings electronically allows for quicker, more precise manipulation of the design. The most successful CAD professionals are well grounded in traditional drafting skills and proficient in the latest CAD technology.

Students work on classroom projects that mirror the kind of real-world projects they will encounter in their careers. Hands-on work with classroom concepts means Kishwaukee College CAD graduates are some of the best prepared in their field.

The CAD Program is part of the Architecture & Construction Career Cluster: Careers in designing, planning, managing, building and maintaining the built environment. For more information, visit [www.careertech.org/career-clusters/](http://www.careertech.org/career-clusters/).

## CAREER OPPORTUNITIES

The certificates prepare students for employment as design drafters or computer-aided design operators in the field of architecture or building construction. Students continuing on their education in Architecture or related-field benefit from taking this program first.

### COMPUTER-AIDED ARCHITECTURAL DRAFTING

#### Curriculum No. 414

This certificate program prepares students for employment in the field of architectural drafting and those fields closely related such as surveying. Course content places emphasis on the process of completing 2-D production drawings to standards. Architectural CAD drafters serve as support personnel to CAD designers. Requires 24 credit hours. Gainful employment information for certificates in the Computer-Aided Design Technology program can be found at [www.kish.edu/cad](http://www.kish.edu/cad).

### COMPUTER-AIDED MECHANICAL DRAFTING

#### Curriculum No. 415

This certificate program prepares students for employment in the field of mechanical drafting and those fields closely related such as CAD-CAM. Course content places emphasis on the process of completing 2-D production drawings to standards. Mechanical CAD drafters serve as support personnel to CAD designers. Requires 24 credit hours. Gainful employment information for certificates in the Computer-Aided Design Technology program can be found at [www.kish.edu/cad](http://www.kish.edu/cad).

#### ONE YEAR PROGRAM

##### Fall Semester

CAD 131	Print Reading/Construction Trades	(3)
CAD 141	Technical Drafting CAD	(4)
CAD 151	Fundamentals of CAD/AutoCAD	(3)
CAD 152	Fundamentals of CAD/Inventor <b>OR</b>	
CAD 171	Fundamentals of CAD – Solidworks	(3)

##### Spring Semester

CAD 154	2D Architectural CAD	(4)
CAD 251	Model Rendering & Animation	(3)
CAD 254	3D Architectural CAD/Revit	(4)

#### ONE YEAR PROGRAM

##### Fall Semester

CAD 141	Technical Drafting CAD	(4)
CAD 151	Fundamentals of CAD/AutoCAD	(3)
CAD 152	Fundamentals of CAD/Inventor <b>OR</b>	
CAD 171	Fundamentals of CAD – Solidworks	(3)

##### Spring Semester

CAD 153	2D Mechanical CAD	(4)
CAD 172	Intermediate CAD-SolidWorks	(3)
CAD 251	Modeling Rendering & Animation	(3)
CAD 253	3D Mechanical CAD	(4)

### Additional Sources of Information:

#### DEPARTMENT

Chase Budziak, Dean of Instruction  
 815-825-1708  
[cbudziak@kish.edu](mailto:cbudziak@kish.edu)

#### STUDENT SERVICES

Advising  
 815-825-9375