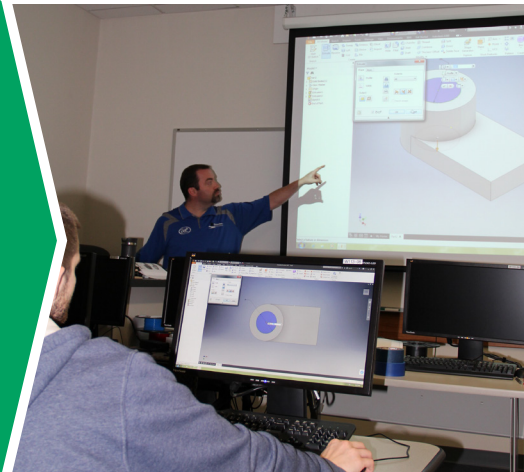


Find your path at John Wood

>> CAREER & TECHNICAL PROGRAM <<

Computer-Aided Design

It's where the high-paying jobs are if you have the right skills, training and education. Employers in JWCC's district will need individuals with new technical skills in computer-aided design.



Like?

Design

Problem Solving

Numbers

Learn to

Use computer software to design products and parts

Work individually and as part of a team to find solutions to problems

Work with numbers to determine dimensions and make blueprints for products

Average Annual Earnings

\$30,000 (\$14.50/hour)

Source: Bureau of Labor Statistics

Potential Careers

CAD Designer, CAD Operator, CAD/CAM Specialist, Design Drafter, Designer, Drafter, Installation Drafter

Classes in...

Draft & blueprint reading, parametric modeling, drafting terms, CAD applications, quality assurance, 3D applications, manufacturing, human relations in the workplace, tool design, and trigonometry

Type of Work

Verify mathematical calculations, discuss designs or plans with clients, supervise engineering or other technical personnel, create graphical representations of mechanical equipment, and confer with technical personnel to prepare designs or operational plans.

JWCC Stackable Certificates or Degrees

Tackle one certificate at a time.

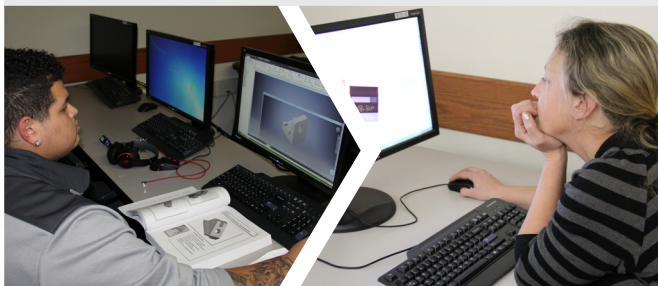
6 classes = Engineering Design-SolidWorks Certificate
(3 mos.)



17 classes = Computer Aided Design Associate in Applied Science

JWCC Difference

- Job shadow first year
- Current CAD Engineers teach courses
- Internship and career placement
- Flexible labs, evening and online classes



jwcc.edu/cad

217.641.4337

admissions@jwcc.edu

Computer-Aided Design AAS Degree

REQUIRED COURSES

First Semester

| Course | Description | Credit Hours |
|---------|--------------------------------------|--------------|
| CAD 101 | Drafting & Blueprint Reading for CAD | 3 |
| CAD 104 | Introduction to CAD | 3 |
| CAD 114 | Introduction to Parametric Modeling | 3 |
| CSC 106 | Introduction to Computers | 3 |
| ENG 101 | Rhetoric and Composition I OR | |
| ENG 191 | Business Writing | 3 |
| FYE 101 | Blazing Your Trail | 1 |
| | | 16 |

Second Semester

| Course | Description | Credit Hours |
|---------|------------------------------|--------------|
| CAD 102 | Drafting Terminology for CAD | 3 |
| CAD 106 | CAD Applications I | 3 |
| CAD 204 | 3-D Applications | 3 |
| CMN 101 | Introduction to Speech I OR | |
| CMN 104 | Interpersonal Communications | 3 |
| MAT 109 | Elementary Statistics | 3 |
| MFG 104 | Quality/Continuous Improv | 3 |
| | | 18 |

Third Semester

| Course | Description | Credit Hours |
|------------------------------|----------------------------------|--------------|
| CAD 200 | CAD Applications II | 3 |
| CAD 214 | Adv 3D Applications | 3 |
| CAD 230 | Introduction to Manufacturing | 3 |
| PSY 145 | Human Relations in the Workplace | 3 |
| Approved Technical Elective* | | 3 |
| | | 15 |

Fourth Semester

| Course | Description | Credit Hours |
|------------------------------|----------------------|--------------|
| CAD 202 | CAD Applications III | 3 |
| CAD 231 | Tool Design | 3 |
| MAT 114 | Trigonometry | 3 |
| Approved Technical Elective* | | 6 |
| | | 15 |

*Approved Technical Electives: All courses with CAD, ELE, MFG, and WLD prefixes and SAF 110-Occupational Health & Safety

NOTE: Only students who do not need additional coursework and who take the number of credits or courses as listed each semester can complete the program in the time given. Others will take longer to complete.

SAVE

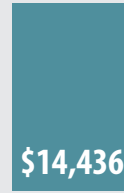


VALUE COMPARISON

One-Year Tuition
(32 credit hours)



\$5,216



\$14,436



\$26,527

- JWCC tuition (in-district)
- Area four-year public average tuition
- Area four-year private average tuition

For 2019-20 Academic Year

SUCCESS



JWCC ranks in the
TOP 10% in the Nation
for Student Success



Transfer Credits to:



Grads get jobs at:



Gainful Employment info: jwcc.edu/gainfulemployment



jwcc.edu/cad

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