

Computer Automated Design – Certificate (MCAD.CERT)

This program prepares students for drafting and design roles in the fields of manufacturing, energy, architecture, and construction. Students will master multiple 2D and 3D design software programs and will use this software to generate blueprints and program additive and subtractive manufacturing machines.

Courses within this program will expose students to a variety of complex, real-world design problems, and advanced techniques for solving them to prepare them for the workplace.

Minimum credits: 22

Minimum cumulative GPA: 2.0

Minimum grade in all courses: 2.0

Minimum Jackson College credits: 15

Computer Automated Design CORE Requirements (22 Credits)

Take the following:

CAD	151	AutoCAD I
CAD	152	SolidWorks I
CAD	172	SolidWorks II
CAD	251	AutoCAD II
CAD	252	SolidWorks III
CAD	253	Sheet metal, Molds, Weldments, and Tooling
CAD	254	Visualization and Simulation