

## **Advanced Manufacturing – CAD/CAM – Certificate (CAAM.CERT)**

The Advanced Manufacturing CAD/CAM program focuses on combining Computer Aided Design (CAD) technology with Computer Aided Manufacturing (CAM) technology. Students will learn how to design and model complex parts in CAD software and then use those models to program machines that will create the parts. Students will learn the ins and outs of 3D printing and CNC technology while learning how to design and create parts that meet real world quality standards.

*Minimum credits: 18*

*Minimum cumulative GPA: 2.0*

*Minimum grade in all courses: 2.0*

*Minimum Jackson College credits: 6*

### **CAD/CAM CORE REQUIREMENTS (18 CREDITS)**

***Take the following:***

CAD	152	Solidworks 1
CAD	172	Solidworks 2
CAD	252	Solidworks 3
MFG	201	Principles of CNC Machining
MFG	202	Vises and Fixtures
MFG	203	Advanced CAM Programming