

DRAFTING TECHNOLOGY - ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)

Explore More About This Program: <https://cwi.edu/program/drafting-technology>

Program Learning Outcomes

Upon successful completion of this program, students will be able to:

- Understand the underlying CAD independent workflow required to create 2D drawings and 3D models.
- Understand how drafting fits into the overall product design phase and the construction design process.
- Demonstrate comprehensive knowledge of detail drafting standards to document a product or construction design, including geometry views, dimensioning and annotation standards, multiple material call-out methods, and overall drawing package.
- Demonstrate mastery of AutoCAD as a 2D drawing and drafting design tool.
- Demonstrate mastery of AutoCAD for Architecture and Revit as 3D modeling and 2D drafting design tools.
- Demonstrate intermediate skills required for 3D part design in Solidworks.
- Demonstrate intermediate skills required for Civil design in Civil 3D.
- Demonstrate the intermediate skills required for SketchUp for conceptual design, site massing design, and drawing creation.
- Understand advanced file management and workflow skills, including central model-based collaborative design, linked files and objects, and external file reference skills.
- Understand and apply job search skills and tools to evaluate different companies and start a career in drafting.