



Computer-Aided Design and Drafting Certificate

Program Goals Statement

This one-year certificate program provides students with the needed skills to become a professional computer-aided architectural draftsman, civil draftsman, mechanical designer, or manufacturing operator in the engineering industry. Students learn fundamental concepts of engineering drawing through advanced computer-aided design techniques.

Program Information

- This program serves as a solid base for advanced work in a degree program, with all courses transferring to Bristol's Automation, Architectural & Civil, Electro-Mechanical, Environmental, and Mechanical programs.
- Students utilize high-tech computer equipment and the latest AutoDesk, SolidWorks, and/or CAM software.

After Bristol

- Graduates are prepared for positions as architectural and civil CAD operators/drafters and mechanical designers.

Program: Computer Aided Drafting

Type: Certificate

Campus

Campus:

Fall River

Item #

Title

Credits

Program Requirements

Choose Architectural/Civil or Mechanical/Manufacturing Concentration



Architectural and Civil Concentration

Item #	Title	Credits
CAD 101	Computer Aided Drafting	3
CAD 122	Architectural Drawing	3
CAD 125	3D Architecture, Building, and Landscape Design	3
CAD 128	Civil Drafting and Design	3

Mechanical and Manufacturing Concentration

Item #	Title	Credits
CAD 101	Computer Aided Drafting	3

And choose three from:

Item #	Title	Credits
CAD 111	Mechanical Design with Solidworks	3
CAD 112	Advanced Mechanical Design with Solidworks	3
CAD 172	Mechanical Design using Inventor	3
CAD 211	Computer Aided Manufacturing	3
	Total credits:	12