



## Computer Aided Design and Drafting Certificate

**Program:** Computer Aided Drafting

**Program Code:**

CD

**Academic Area:**

Science, Technology, Engineering and Mathematics

**Type:**

Certificate of Recognition

**Campus:**

Fall River

**CIP Code:**

15.1301

### 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 Requirements

*Choose Architectural and Civil or Mechanical and Manufacturing Concentration.*

#### Architectural and Civil Concentration

<b>Course #</b>	<b>Title</b>	<b>Credits</b>
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

<b>Course #</b>	<b>Title</b>	<b>Credits</b>
CAD 101	Computer Aided Drafting	3
	CAD 111, CAD 112, CAD 172 or CAD 211	9
	<b>Total credits:</b>	<b>12</b>