



Imagine...

Designing, drawing, and making products of the future. Bring your creativity, new ideas, and inventions to reality.



Drafting

Computer Aided Design and Drafting graduates work in many different areas of engineering and manufacturing. In the CADD program at BCTC, students design and manufacture prototypes for real world applications. In this course, students learn 2D and 3D computer modeling. Using a team centered, problem solving approach, students can develop the skills needed to be successful in today's work environment.

WORK SKILLS ▶▶▶

- Team Player and Good Communicator
- Creative and Possess Technical Aptitude
- Apply Logic to Solve Problems
- Flexible
- Detail-Oriented
- Able to Multi Task
- Work Well With Others
- Ambitious

WHAT DOES IT TAKE?

A detail-oriented person that can visualize two and three-dimensional drawings. Someone who enjoys working with computers, who is also very organized with strong communication skills. Also, someone who is able to work cooperatively with a team of engineers, drafters, machinists, and quality control personnel.

WORK/ENVIRONMENT CONSIDERATIONS

CADD technicians are professional people working in a specialized and dead-line driven environment. They must have the ability to adapt to changing circumstances as they coordinate projects with other staff in a demanding environment.

WHAT WILL I LEARN?

During the 2-year program, students will learn how to think outside the box. They will master various responsibilities of designers employed in engineering and architectural offices across the nation. Students will learn 2D and 3D modeling using industry standard software.

WHAT WILL I DO?

During the first year, students will learn the Fundamentals and Techniques of Drafting. They will also become familiar with the tools of the trade. During the second year, students will focus on a Mechanical and Architectural specialization. Architectural students will have a complete set of construction drawings while mechanical students will have prototypes or solid models of their projects at the end of the course.

Take the first step
and contact us today!



Boone Career and
Technical Center
Your Goals. Our Mission.

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Foster, West Virginia 25081

304-369-4585

304-369-3692

Go BCTC.com

Creating Quality Futures

Career Pathway Entry Level (After High School Graduation)

SCHOOL	CERTIFICATIONS AND OPTIONS	CAREERS
Boone Career and Technology Center (Adult)	▶ Certificate of Completion	▶ CAD Operator
Southern West Virginia Community and Tech. College	▶ ADDA (AD) Apprentice Drafter	▶ CAD Operator
Kanawha Valley Community and Technical College	▶ ADDA (CD) Certified Drafter	▶ CAD Operator
Mountwest Community & Technical College	▶ ADDA (CDD) Certified Design Drafter	▶ CAD Operator
Bridgemont Community & Technical College		

Technical Level (Certificates and/or Associates Degree, Apprenticeship)

SCHOOLS	MAJORS	CAREERS
Mountain State University	▶ Computer Science	▶ Motion Capture Artist
New River Community & Technical College	▶ Game Design	▶ Full Motion Video Artist
West Virginia Junior College-Bridgeport	▶ Game Development	▶ Computer Graphic Artist
University of Charleston	▶ Programming Specialist	▶ Interface Artist
Huntington Junior College	▶ Engineering Graphic Technology	▶ Technical Artist
Southern West Virginia Community & Technical College	▶ Game Arts	▶ Mobile Phone Programmer
Mountain State College	▶ 3D Design and Animation	▶ Service Programmer
West Virginia Northern Community College	▶ Motion Graphics and Animation	▶ Client Programmer
		▶ Character Modeler
		▶ Character Animator
		▶ Character Rigger

Professional Level (Four Year or Higher University Degree)

SCHOOLS	MAJORS	CAREERS
Concord University	▶ Computer Science	▶ Engineer: Database, Artificial Intelligence, Game Play, Rendering or Physics
Bethany College	▶ Computer Engineering	▶ Programmer: Mobile Phone, Server or Client
West Virginia Wesleyan	▶ Computer Programming	▶ Character: Modeler, Animator or Rigger
University of Charleston	▶ Game Development	▶ Designer: Level, Interface, Production or Flash
Davis & Elkins	▶ Game Design	▶ Artist: Motion Capture, Full Motion Video, Computer, Interface, Technical
Fairmont State University	▶ Game Art	▶ Producer
Marshall University	▶ Animation Development	▶ Director
West Virginia University Institute of Technology	▶ Electronic Media Arts Design	▶ Project Manager
West Virginia State University	▶ Digital Media Studies	
Alderson Broaddus College	▶ Engineering Graphic Technology	
Wheeling Jesuit University		

This is not an exhaustive list of schools or jobs. Please see the program instructor or your counselor for additional options. For more information related to this field of study, including descriptions and salaries, go to:

www.bls.gov