



**Career and Technical Education Pathway
Engineering and Applied Technology
Computer Technologies**

Computer-Aided Drafting Certificate

Computer-Aided Drafting (CAD) is primarily used for detailed engineering of 3D models and/or 2D drawings of physical components, but it is also used throughout the engineering process from conceptual design and layout, through strengths and analysis of concepts to definition of manufacturing or building methods or components. The purpose of this certificate is to provide basic computer-aided drafting (CAD) skills. Students learn CAD techniques for producing 2D and 3D technical drawings using different CAD software programs. The median salary in North Carolina is \$21 per hour for a CAD Technician (U.S. Department of Labor, 2015).

CORE COURSES			
Course Prefix/Num	Course Title		
DFT 151	CAD I	3	SHC
DFT 152	CAD II	3	SHC
DFT 153	CAD III	3	SHC
DFT 154	Intro to Solid Modeling	3	SHC
Total Semester Hours of Credit (SHC) for Core Courses:		12	SHC
Total SHC for Program		12	

Estimated Costs:

- Textbooks: \$320 per semester
- Tools/Instruments: \$40
- Consumable Fees: \$15-40 per semester