

**NORTH MONTCO TECHNICAL CAREER CENTER  
DRAFTING AND DESIGN**

The Design and Drafting program will provide students with the skills that are necessary to be employable in the trade. Throughout the training at NMTCC, students will gradually master techniques in Drafting and Design. The course will start with Basic Drafting that includes Orthographic Projection, Auxiliary Views, Section Views, Dimensioning, Fasteners, Axonometric, and other basic drafting skills and will continue with learning how to use many of the latest software packages. These include the latest versions of AutoCAD, Architectural Desktop, Inventor, 3D Studio, and other related software packages.

**What you will learn:**

- Basic drafting techniques including:
  - Orthographic Projection, Auxiliary Views, Section Views, Dimensioning, Fasteners, Axonometric
- Computer assisted drafting (CAD) techniques
- Mechanical/machine drafting and design
- Architectural drafting and design
- AutoCAD 2011
- Inventor 2011
- AutoCAD Architectural 2011

**Physical criteria:**

- Manual dexterity
- Strong eye/hand coordination

**Class of 2011 graduation plans:**

- 50% plan to continue their education in this field
- 25% plan to continue their education in another field
- 12.5% will be working in this field
- 12.5% found employment in another field

**Equipment list:**

**(With approximate cost)**

- USB flash drive (also know as a jump drive or memory stick (\$15-\$30)
- 3” binder (\$5), 1” binder (\$2)
- Plastic sheet protectors (\$15)

**Career possibilities:**

- Architectural Drafter
- Civil Drafter
- Electronic Drafter (CAD Technician)
- Mechanical Drafter

**Career possibilities with additional education:**

- Aeronautical Engineer
- Architect
- Chief Design Drafter
- Civil Engineer
- Electrical Engineer
- Mechanical Engineer

**North Montco Technical Career Center  
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215-368-1177 • [www.nmtcc.org](http://www.nmtcc.org)**

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