

**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 2010 graduation plans:

- 100% plan to continue their education in this 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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Northern Montgomery County Technical Career Center does not discriminate in regard to race, color, age, national origin, sex, disability, or any applicable Federal Statute. Inquiries should be made to the Director, North Montco Technical Career Center