



Mechanical and Computer Drafting

TECHNICAL DIPLOMA

Program Code: 31-421-2

Downtown Milwaukee Campus

This program prepares you to be a detail drafter in the mechanical drafting field. For a new product to become reality, it must exist in the mind of the engineer, designer or drafter; then it is the detail drafter, working from design layouts, sketches and handbooks, who creates working drawings that aid in manufacturing the product.

Career Outlook

The employment outlook is favorable for mechanical drafters with current training in computer-aided design and drafting (CADD) systems.

After earning this technical diploma, your credits can be applied to completing the Mechanical Design Technology associate degree.

Program Learning Outcomes

- Prepare detail and assembly drawings for documentation of mechanical components and products
- Create CAD geometry, parts, and assemblies
- Design mechanical components and products
- Select purchased parts

Admission Requirements

- A high school diploma or GED
- One year of high school-level algebra or equivalent



STEM
MILWAUKEE AREA *Technical College*

matc.edu | 414-297-MATC

Start date: August

For complete information, go to
matc.edu/course-catalog/stem

To apply for financial aid, visit fafsa.gov School Code: 003866

COURSES

Credits

CIVIL-102	Introduction to AutoCAD.....	2
CIVIL-105	Computer Applications.....	2
MCDESG-102	Technical Drafting 1 ‡.....	3
MCDESG-162	Engineering Materials.....	2
MATH-115	College Technical Mathematics 1 ‡.....	5
MCDESG-104	Technical Drafting 2 With CAD ‡.....	3
MCDESG-114	SolidWorks 1.....	2
MCDESG-106	Advanced Engineering Graphics ‡.....	3
MCDESG-124	SolidWorks 2 ‡.....	2
MCDESG-163	Machining Processes ‡.....	2

TOTAL CREDITS: 26

‡ Prerequisite required.

Program curriculum requirements are subject to change.

Current MATC students should consult their
Academic Program Plan for specific curriculum
requirements.

Possible Careers

- CADD Operator
- Detail Drafter

Related Programs

- Mechanical Design Technology
- Architectural Technology
- Civil Engineering Technology



10% Post Consumer Recycled



matc.edu or 414-297-MATC
Wisconsin Relay System 711

Downtown Milwaukee Campus
700 West State Street

Mequon Campus
5555 West Highland Road

Oak Creek Campus
6665 South Howell Avenue

West Allis Campus
1200 South 71st Street

**MATC Education Center
at Walker's Square**
816 West National Avenue, Milwaukee