



Mechanical Design Dual Enrollment Curriculum

CIVIL-102	Introduction to AutoCad.....	2
CIVIL-105	Computer Applications.....	2
MCDESG-102	Technical Drafting 1.....	3
MATH-115	College Technical Math.....	5
MCDESG-162	Engineering Materials.....	2
MCDESG-104	Technical Drafting /AutoCadd..	3
MCDESG-106	Advanced Eng. Graphics.....	3
MCDESG-124	Solid Works 2.....	2
MCDESG-163	Machining Process.....	2
NATSCI-137	Comprehensive Tech. Physics.....	4

Total Credits: 30

**Classes you can complete at Bradley Tech will save you the costs of 12 MATC credits, \$2,500.00!*

Lynde & Harry Bradley
School Of Technology & Trade
700 South Fourth Street
Milwaukee, WI 53204
(414) 212-2400



Bradley Tech Engineering Academy

Career Pathways:

- Mechanical Design
- Pre-Engineering

Possible Careers

- CADD Operator
- Detail Drafter

Related Programs

- Mechanical Design Technology
- Architectural Technology
- Civil Engineering

Income After Graduation

\$25.06/hour median wage (2015)

www5.milwaukee.k12.wi.us/school/bradleytech



CAREER CLUSTER: Manufacturing



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.

Program Learning Outcomes

- Orthographic projection, including primary and secondary auxiliary views
- Use of a CADD system
- Use of handbooks, catalogs and ANSI standards
- Mathematical applications, including algebra and trigonometry
- Manufacturing processes

Admission Requirements

- A high school diploma or GED
- One year of high school-level algebra or equivalent
- Demonstration of basic skills through a course placement assessment



matc.edu/academic_programs/pathways

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