

# Manufacturing Engineering Design

## Diploma (25 WEEK)



- ✓ Hands-on Training
- ✓ Experienced and certified Instructors
- ✓ Flexible Sessions
- ✓ Up-to-Date Technologies
- ✓ State-of-the-Art hardware and Software
- ✓ Financial Assistance may be Available to those who qualify
- ✓ Employment Assistance

**GET A FREE  
COMPUTER  
SYSTEM !!**



### Description

This program is an introduction to computer-aided drafting (CAD) using current CAD software in the market. It explores basic dimensioning, editing and drawing manipulation functions. Additional topics including tool and die making program and explores power work holding devices and modular tooling systems. No previous computer experience required.



### Objectives

Through a series of real-life case studies, you'll learn how to evaluate designs using such time-honored principles as consistency and alignment. We help you to:

- Learn how to use the various CAD software in the market.
- Develop an understanding of the significance and importance of CAD.
- Become familiar with CAD/Engineering terminology, architecture, and literature in a variety of media.
- Develop basic skills necessary for communicating graphically the needs, ideas, and requirements of progressive industrial manufacturing environments in the Lettering/Text, Geometric Construction, Isometric and Orthographic Construction and others.

Call Today (519) 971-8066 [www.CompuCampus.com](http://www.CompuCampus.com)

**Windsor Campus**  
 1368 Ouellette Ave.  
 3rd Floor, Suite 301  
 Windsor ON N8X 1J9

Phone: 519-971-8066  
 Fax: 519-971-8056  
 services@compucampus.com

**Toll Free**

**1-800-290-7099**

Profession	Avg. Salary (\$/hr.)
<b>Industrial Designer</b>	\$17.23/hr.
<b>CAD/CAM Technician</b>	\$17.62/hr.
<b>Drafting Technologist</b>	\$18.24/hr.
<b>CNC Machining Tool Operator</b>	\$20.64/hr.
<b>Industrial Engineering and Manufacturing Technologist</b>	\$18.81/hr.

*Source: Labor Market Information—HRSDC Canada*



## Prerequisites

- Ontario Grade 12 OR equivalent.

## Program Courses

There are three groups of courses offered:

### 1. Fundamentals Courses: (60 hour total)

Introduction to Computers  
 Introduction to Windows  
 Internet Fundamentals

### 2. Core Courses: (380 hour total)

Manufacturing Concepts (20 hr.)	AutoCAD (60 hr.)
Unigraphics (60 hr.)	Jigs & Fixture Design (20 hr.)
Catia (60 hr.)	Tool & Die Design (20 hr.)
SoldWorks (60 hr.)	CNC Programming (20 hr.)
Pro Engineer (60 hr.)	

### 3. Personal Improvement courses: (60 hour total)

Meeting Work Objectives (12 hr.)	Building Teamwork Skill (12 hr.)
Workplace Interaction (12 hr.)	Project Management (12 hr.)
Job Preparation (12 hr.)	

## Duration & Schedule

This program is covered in seven months (25 week) based on twenty hour per week and four hours a day. There are morning, afternoon and evening sessions available.

## Grading System

Students will be given tests for each group of courses mentioned above. It is required to have a score of %70 at least in each course and an average of %75 overall score in all of the three groups to get the Diploma.

## Certification

There are comprehensive projects, exercises and homework to guarantee that each student understand the given material. After successful completion of the program and passing the final exam, a Diploma certified from CompuCampus College and Ontario Ministry of Training, Colleges and Universities will be given.