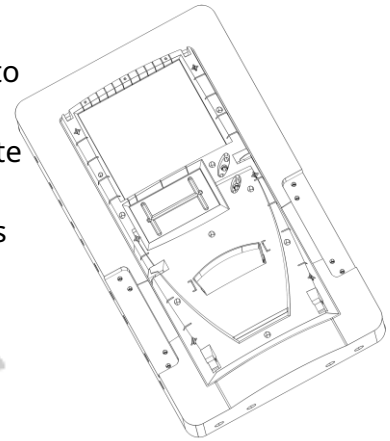


# Mastercam - Design Class

## Course Description

This essential course is geared towards any Mastercam users with little to no experience up to experienced programmers in need of additional design core fundamentals for 2D and 3D design. Users will learn to create and manipulate wireframe and solids along with model prep tools. The class will also show users how to utilize dimensions and draft techniques for blueprint creation, along with a variety of modern methods such as transform/mirror and Dynamic alterations.



*\*This course is highly recommended for all programmers\**

## Method of Instruction

This classroom setting experience with personal handout instructions to be completed by the student.

After completion of the class the students can guide themselves back through each module and refresh their skills by completing the designs at their own self-pace.












## Objectives

After completing this course, you will be able to:

- Explain and discuss the workflow for creating designs and prints.
- Ability to know where the design tools are and how to implement processes learned in class to design at your own pace.

## Course Topics

-  Introduction to Mastercam Design
-  Review of the ribbon bar and tabs
-  Explanation of the wireframe tab
-  Explanation of groups in the ribbon bar
-  Drafting and dimensioning
-  Creating solid geometry from wireframe
-  Learn planes and views for construction of geometry
-  Model Prep vs. solid modeling
-  Export in different types of formats for CAD or CAM systems

## Course Requirements

- Mastercam Design
- Internet Connection for Mastercam University online courses and classes

## **Grading**

Grades will be available from the Instructor Dashboard for assessment questions. Challenge assignments will not be graded in the system and must be reviewed manually or peer reviewed.

## **Course Completion Time**

**Course is a combined minimum of 24 hours in person and/or online meetings.**

Each online course lesson contains video guides, step-by-step documents, challenges, and assessments. Completion time will vary from student to student.

## **Next Steps**

After completion of this course students are encouraged to continue their growth and exploration of the software through the Mastercam Basic Mill or Mastercam Basic Lathe courses/classes.

**Make sure to sign up for our Home Learning Edition on our website to get started on using Mastercam today!**

**[Home Learning Edition Sign-up](#)**

**Or check out our website directly at: [www.fastechinc.net](http://www.fastechinc.net) for additional learning content and information on everything Mastercam related.**