



Mathcad 14.0 Essentials

Course Code TRN-2124-T

Course Length 2 Days

Overview

In this course, you will learn the essentials of Mathcad, including its unique whiteboard interface, and math toolbars. It reinforces Mathcad's extensive functionality using clear and concise trainer-led instruction and examples. This course will familiarize you with many of Mathcad's critical features to ensure immediate application of the product.

Pro/FICIENCY assessments will be provided in order for you to assess your understanding of the course materials. The assessment results will also identify the class topics that require further review. At the end of the class, you will take an assessment via your PTC University account.

After completing this course, you will be well-prepared to perform basic operations in Mathcad 14.0.

Prerequisites

N/A

Audience

This class is intended for the novice or intermediate user of Mathcad.

Topics

- Mathcad Overview
- Entering & Editing Expressions
- Formatting & Documenting
- Functions
- Units
- Plotting (2-D and 3-D)
- Calculus & Symbolics
- Solving & Optimization
- Differential Equations
- Programming
- Data Exchange & Analysis

Agenda

Day 1

- Module 1 Introduction
- Module 2 The Basics
- Module 3 Variables and Functions
- Module 4 Range Variables
- Module 5 Vectors and Matrices
- Module 6 Intro to Units
- Module 7 Unit Systems
- Module 8 Angular and Temperature Units
- Module 9 Documenting and Formatting
- Module 10 Plotting in Two Dimensions
- Module 11 Plotting in Three Dimensions

Day 2

- Module 12 Advanced Computational Techniques
- Module 13 Symbolic Math
- Module 14 Roots of Equations
- Module 15 Solving
- Module 16 Optimization
- Module 17 Differential Equations
- Module 18 Programming
- Module 19 Data Exchange
- Module 20 Data Analysis

