

PRINT READING + TOLERANCES

Learn the Best Practices for Working with Parts, Prints, and Tolerances

Unit 1 - Drawing Information System

- Course Introduction
- The Two Types of Drawings
- Goal of an Engineering Drawing
- Most Important Parts of a Drawing
- Field of View
- Title Block
- General Drawing Notes
- Revision Block
- Bill of Materials
- *Drawing Interpretation – Exercises*

Unit 2 - Drawing Visualization System

- Part Geometry Lines
- Orthographic Views – Viewing 2D to 3D
- *Orthographic View - Exercises*
- Common Drawing Views
- Section Views
- Descriptive Dimensioning Lines
- *Drawing Views & Lines - Exercises*

Unit 3 - Special Requirement Callouts

- General Drawing Symbols & Callouts
- Holes & Threads
- Roughness & Hardness
- Fundamental Welding Symbols
- *Callouts & Symbols Exercises*

Unit 4 - Tolerancing System

- Introduction to Tolerances
- Metric vs Inch
- Dimensional (\pm) Tolerances
- Dimensioning Methods
- Dimensional Tolerance Examples
- The Basics of GD&T
- GD&T Examples
- Course Conclusion

Final Exam

- Print Reading & Tolerances Final Exam

All online course access includes live monthly example webinars and our large library of real part examples where we show how to apply specific content from the course.

We promise, once you take our training & understand our Print Reading framework, you will drastically improve the way you work with your drawings. Our goal is that you can apply what you learn immediately!

GD&T Basics – Engineer Essentials, LLC

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