

# Advanced Graphical Communications (AGC)

In mechanical engineering, graphical communications primarily means engineering drawings. While some people may over-simplify this to be a “drafting class”, AGC is far more than that. GD&T is a language and, as with any language, it needs to be practiced in context to get the nuances. In terms of AGC, that means practicing GD&T applications on drawings ... using a CAD system. Based on the core content of the Fundamentals of GD&T course, AGC reinforces the learning through the evaluated application of GD&T on actual part drawings. AGC is an intense course that includes:

## Core Content:

- GD&T per ASME Y14.5-2009 or -2018
- Drawing creation, including layout and content
- Drawing checking

## Supporting Content:

- Tolerance visualization and comparison
- Surface finishes; functionality and specification

## Ancillary Content:

- Design analysis for real assemblies; how it works, material selection, tolerance considerations
- Design based on ISO / ASME Limits & Fits