



# American Injection Molding Institute

## Autodesk® Moldflow® Insight Advanced Flow-Course Overview

### Course Description

In this course, students learn about the more complex analysis types available in Autodesk Moldflow Insight that were not covered in the Autodesk Moldflow Insight- Fundamentals course.

### Course Outline - Autodesk Moldflow Insight- Advanced Flow

**Database Management:** Discusses how to create personal databases of all types and how to use them.

**Family Tools:** Discusses how to analyze family tools including finding processing conditions, adding studies together and balancing the runners.

**Multiple Gates:** Discusses the types of multiple gate problems that occur and how to analyze them. Also discusses clamp tonnage and how to work within the limits of the molding machine.

**Packing Optimization:** Discusses the procedure for reducing the variation of volumetric shrinkage on a part.

**Part Insert Overmolding:** Discusses definitions and capabilities with regards to running a flow analysis with part inserts.

**Two-Shot Sequential Overmolding:** Discusses capabilities of two-shot sequential overmolding, setting up the analysis, running the analysis and reviewing results.

**Design of Experiments (DOE) Analysis:** Discusses the theory of DOE & how to setup an analysis and how to interpret the results.

**Projects:** Practice what you have learned with different models presented with diverse problems.



**Duration:** 2 days

### Who should attend?

Intermediate users of Autodesk Moldflow Insight

**Before attending this course, students must attend the Autodesk Moldflow Insight-Fundamentals.**

### What will you learn?

- How to complete analysis for multiple gate locations and part families
- Flow analysis with inserts and overmolding
- Packing optimization
- Design of Experiments



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