

## Learning Module

# Introduction to Tosca Fluid

---

This course is a comprehensive introduction to the fluid optimization capabilities of Tosca Fluid. Attendees will learn how to define and solve basic topology optimization tasks for internal flow problems, submit optimization jobs, and view and evaluate the results.

### Objectives

Upon completion of this course you will be able to:

- Solve fundamental topology optimization problems for internal flow applications.
- Postprocess results and perform surface smoothing.
- Follow-up and transfer results into the CAE environment.

### Knowledge Prerequisites

Basic familiarity with CFD.

### Language(s) for selected release

English

### Brands

Simulia

### Available Releases

SIMULIA 2020, SIMULIA 2019, SIMULIA 2018, SIMULIA 2017, SIMULIA 2016

### Duration

8 hours

## Contents

Overview - Introduction to Tosca Fluid

1 - Methodology

2 - Overview, Setup and Execution

3 - Postprocessing and Results Extraction

A1 - Tosca Fluid Tips & Tricks