

Course Syllabus

Introduction to TypeScript Bootcamp

We are glad you have joined us for this course! Here is some information that will help you to navigate your learning platform and locate course content.

Joining the Session

Before the first live session please confirm that you can access Zoom:

1. Visit <https://support.zoom.us> and click on **Getting Started**.
2. Attn Percipio Users - The **Join live course** option is available where you registered for the session in Percipio 15 minutes prior to the start of class.

Course Description

TypeScript is a strongly typed programming language that is a superset of JavaScript. TypeScript allows developers to develop code with type safety (static typing). But there is more, with TS your code is seamlessly integrated with VS Code. This means that you can catch errors earlier than with JavaScript. TypeScript compiles to JavaScript so it can run on the browser or in a NodeJS environment. This course introduces TypeScript as an alternative to JS development.

Target Audience

Newer TypeScript and JavaScript programmers with at least 2 years working experience.

Agenda

- After completing this course participants will be able to create a project folder and complete starter files for a TypeScript project
- Participants will be able to start a simple TypeScript project
- Learners will be able to enhance code quality by using static typing in TS

Topics

Day01

Part 1 – Environment and IDE
Part 2 – HTML Setup
Part 3 – Working with Types
Part 4 – Literal Types and Aliases
Part 5 –Function Type and Callback Functions
Part 6 – Chaining and Null Coalescing

Day02

Part 1 – Classes

Part 2 – Interfaces

Part 3 – Intersection, Union Types and Type Guards

Part 4 – Modularity

Part 5 – Generics

Part 6 – Decorators (time permitting)

Technical Support

We offer 24/7 support if you need assistance with your Percipio or Skillport learning platforms. To access support, click the initials of your profile and select “Help”.

Percipio

