

# Introduction to JavaScript («ISC»)

In this course you will learn the syntactic basic structures and the application areas of JavaScript in practical, largely self-developed scripts.

**Duration:** 2 days

**Price:** 1'400.–

**Course documents:** Digicomp Courseware

**Vendor code:** ISC

## Content

1. Introduction
  - o Architecture
  - o Files of application
  - o Versions
2. Simple script
  - o Integration
  - o Console
  - o Comment
3. Values
  - o Literal
  - o Vocabulary
  - o Identifiers
  - o Variable
  - o Strict Mode
  - o Constant
4. Operators
  - o Assignment operation
  - o Arithmetic operation
  - o Concatenation operation
  - o Comparison operation
  - o Logic operation
  - o Conditional operation
  - o Composite operation
5. Types of Data
  - o Type testing operation
6. Conversions
7. Text templates
8. Arrays
  - o Enumeration
  - o Length
  - o Access
9. Ramifications
  - o Types
  - o Condition structure
  - o Alternative structure
  - o Multiple selection
  - o Case differentiation
10. Loops
  - o Types
  - o Pre-test loop
  - o Post-test loop

- For loop
- Property loop
- Collection loop

#### 11. Jumps

- Iteration abort
- Loop abort

#### 12. Functions

- Declaration
- Ausdruck
- Parameter
- Return value
- Invocation
- Argument

#### 13. JavaScript Object Notation (JSON)

- JSON structure
- JSON data

#### 14. Formulate

- Forms
- Form API

#### 15. Events

- Types
- Treatment
- Bubbling

#### 16. Browser

- Navigator
- URL
- Query String
- Cookie

## Key Learnings

- Learning the basic syntactical structures using typical JavaScript scripts
- Learning about the capabilities, uses, and limitations of JavaScript

## Target audience

This course is aimed at future JavaScript developers who want to learn the basic syntactic structures of the programming language.

## Requirements

Programming skills are an advantageous. The attendance of the following courses (or equivalent knowledge) is required:

- [Introduction to CSS3 \(«IC3»\)](#)
- [Introduction to HTML5 \(«HT5»\)](#)

## Further courses

- [Introduction to Vue.js \(«SPAVJS»\)](#)
- [Web Application Security – Foundation \(«SWO»\)](#)
- [Advanced in JavaScript \(«ISA»\)](#)

## Any questions?

We are happy to advise you on +41 44 447 21 21 or [info@digicomp.ch](mailto:info@digicomp.ch). You can find detailed information about dates on [www.digicomp.ch/courses-software-engineering/programming-languages/java-javascript/course-introduction-to-javascript](http://www.digicomp.ch/courses-software-engineering/programming-languages/java-javascript/course-introduction-to-javascript)

