

# Back-End and PHP development e-learning channel

*Practical course - 1d - 08h12 - Ref. 8DB*

*Price : 190 € E.T.*

Enter the world of back-end development with our specialized channel spotlighting the PHP language. From data storage to user management, discover the secrets of building dynamic, high-performance websites. Ready to unleash the potential of your code?

## Teaching objectives

At the end of the training, the participant will be able to:

- ✓ Know the fundamentals of web development.
- ✓ Develop with CSS, HTML and JavaScript.
- ✓ Use CSS style sheets.
- ✓ Connect PHP and MySQL server.
- ✓ Study existing libraries, in particular MySQLi and PDO\_MySQL.
- ✓ Launch SQL queries from the PHP page.
- ✓ Study how to secure the connection between PHP and MySQL.
- ✓ Learn about error handling with MySQLi.
- ✓ Retrieve data returned by the MySQL server.
- ✓ Use prepared transactions or queries.
- ✓ Know the fundamentals of PHP.
- ✓ Create a list of items.
- ✓ Factorize code.
- ✓ Manage data.
- ✓ Redesign for production launch.
- ✓ Understand how to use Redis and install it.
- ✓ Make PHP and Redis communicate.
- ✓ Use advanced commands and types.
- ✓ Administer Redis.

## Intended audience

Anyone wishing to get started in web development

### PARTICIPANTS

Anyone wishing to get started in web development

### PREREQUISITES

No special knowledge required.

### TRAINER QUALIFICATIONS

The experts leading the training are specialists in the covered subjects. They have been approved by our instructional teams for both their professional knowledge and their teaching ability, for each course they teach. They have at least five to ten years of experience in their field and hold (or have held) decision-making positions in companies.

### ASSESSMENT TERMS

The trainer evaluates each participant's academic progress throughout the training using multiple choice, scenarios, hands-on work and more. Participants also complete a placement test before and after the course to measure the skills they've developed.

### TEACHING AIDS AND TECHNICAL RESOURCES

- The main teaching aids and instructional methods used in the training are audiovisual aids, documentation and course material, hands-on application exercises and corrected exercises for practical training courses, case studies and coverage of real cases for training seminars.
- At the end of each course or seminar, ORSYS provides participants with a course evaluation questionnaire that is analysed by our instructional teams.
- A check-in sheet for each half-day of attendance is provided at the end of the training, along with a course completion certificate if the trainee attended the entire session.

### TERMS AND DEADLINES

## Prerequisites

No special knowledge required.

## Practical details

### Digital activities

IT structure: recorded courses, expert videos and best practice sharing.

### Mentoring

L'option tutorat propose un accompagnement personnalisé par un formateur référent ORSYS, expert du domaine. Adapté aux besoins, aux capacités et au rythme de chaque apprenant, ce tutorat combine un suivi asynchrone (corrections personnalisées d'exercices, échanges illimités par message...) et des échanges synchrones individuels. Bénéfice : une meilleure compréhension, le développement des compétences et un engagement durable dans la formation.

### Pedagogy and practice

A wealth of content produced by trainers following a rigorous pedagogical approach. During each course, operational cases are commented on by experts to help learners put into practice what they have just learned. To help learners anchor their memory, each content item is broken down into short sequences of 3 to 10 minutes. This enables each learner to learn dynamically and independently.

Registration must be completed 24 hours before the start of the training.

### ACCESSIBILITY FOR PEOPLE WITH DISABILITIES

Do you need special accessibility accommodations? Contact Mrs. Fosse, Disability Manager, at psh-accueil@orsys.fr to review your request and its feasibility.

## Course schedule

### 1 HTML, CSS and JavaScript, learn the fundamentals of web development

- Introduction to web development.
- Introduction to HTML.
- Introduction to CSS style sheets.
- Introduction to the JavaScript language.

### 2 PHP7, introduction to the language and development of a mini blog

- PHP: presentation and features.
- Article list creation.
- Creation of an article viewing page.
- Code factorization.
- Data management.
- Form management.
- Redesign for production launch.

### 3 PHP, using the MySQL database in web applications

- Connecting PHP to MySQL.
- Send a query to MySQL.
- Results retrieval.
- Advanced use.

### 4 Redis, presentation of the NoSQL database for use with PHP

- Introduction to Redis.
- Make PHP and Redis communicate.
- Use advanced commands and types.
- Administer Redis.

## Options

Certification : 100€ HT