



HP TRAINING

Php Developer

Become a skilled PHP Developer. Learn to build dynamic, robust web applications and enhance your backend development expertise.

DURATION

Flexible

LEVEL

Intermediate

FORMAT

Instructor-Led

- Globally Recognized Certification

- Expert-Led Hands-On Training

- Flexible Scheduling

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COURSE OVERVIEW

This intermediate-level PHP Developer course, developed by Computer Pride, is meticulously designed to transform aspiring web developers into skilled backend professionals capable of building robust and scalable web applications. You'll dive deep into the PHP language, mastering advanced concepts such as object-oriented programming, error handling, and file system interactions. The curriculum emphasizes practical application, guiding you through the development of dynamic web solutions that integrate seamlessly with databases, specifically focusing on MySQL for data storage and retrieval. This course ensures you gain a comprehensive understanding of server-side logic and modern web development practices.

Upon completion, you will possess the expertise to design, develop, and deploy complex PHP-based web applications. The professional benefits extend beyond mere coding; you'll learn to architect efficient database schemes, implement secure authentication systems, and develop RESTful APIs, making you a versatile asset in any development team. This certification not only validates your technical prowess but also equips you with the problem-solving skills and best practices necessary to excel in the rapidly evolving digital landscape, opening doors to advanced development roles and project leadership opportunities.

Level	Intermediate
Vendor	HP

COURSE CURRICULUM

01 Module 1: Advanced PHP Fundamentals and OOP

- Review of PHP Basics and Data Types
- Object-Oriented Programming (OOP) in PHP: Classes, Objects, Inheritance, Polymorphism
- Interfaces and Abstract Classes
- Namespaces and Autoloading
- Error Handling and Exception Management
- File System Operations and I/O

02 Module 2: Database Interaction with MySQL

- Introduction to Relational Databases and SQL Review
- Connecting PHP to MySQL: mysqli and PDO Extensions
- CRUD Operations (Create, Read, Update, Delete) with Prepared Statements
- Advanced SQL Queries: Joins, Subqueries, Stored Procedures
- Database Design Principles and Normalization
- Transactions and Concurrency Control

03 Module 3: Web Application Architecture and Security

- HTTP Protocol and Request/Response Cycle
- Session Management and User Authentication
- Input Validation and Data Sanitization
- Common Web Vulnerabilities: SQL Injection, XSS, CSRF
- Password Hashing and Secure Storage
- Introduction to RESTful API Principles

04 Module 4: Introduction to PHP Frameworks (e.g., Laravel/Symfony)

- Understanding MVC Architecture in Frameworks
- Installation and Setup of a PHP Framework (e.g., Laravel)
- Routing and Controllers

- Views and Blade Templating Engine (for Laravel)
- Models and Eloquent ORM (for Laravel)
- Database Migrations and Seeding

05 Module 5: Developing RESTful APIs and Integrations

- Designing API Endpoints
- Implementing API Authentication (e.g., Token-based)
- Handling JSON Data
- Consuming External APIs with PHP cURL or Guzzle
- API Versioning and Documentation (e.g., OpenAPI/Swagger)
- Testing API Endpoints

06 Module 6: Deployment and Best Practices

- Version Control with Git and GitHub
- Understanding Composer for Dependency Management
- Basic Server Configuration for PHP Applications (Apache/Nginx)
- Deployment Strategies (FTP, SSH, CI/CD basics)
- Performance Optimization Techniques for PHP
- Introduction to Testing (Unit Testing with PHPUnit)

CAREER PATHWAYS

Graduates of this program are prepared for the following roles:

- > **Backend Web Developer (PHP/MySQL Focus)**
- > **API Developer specializing in PHP-based services**
- > **E-commerce Platform Developer (e.g., Magento, WooCommerce customization with PHP)**

FREQUENTLY ASKED QUESTIONS

Q: What are the prerequisites for enrolling in this Intermediate PHP Developer course?

To get the most out of this course, participants should have a foundational understanding of web development concepts including HTML, CSS, and basic JavaScript. Crucially, prior experience with fundamental PHP syntax, variables, conditional statements, loops, and basic array manipulation is required. Familiarity with relational database concepts and basic SQL queries will also be highly beneficial.

Q: Will this course equip me to build full-stack applications or primarily focus on backend development?

This course is primarily focused on strengthening your backend development skills using PHP and MySQL, enabling you to build robust server-side logic, manage databases, and create powerful APIs. While it doesn't extensively cover advanced frontend frameworks, the skills learned here are fundamental for any full-stack developer, as a strong backend foundation is essential for integrating with modern frontend technologies.

Q: What kind of projects will I complete during the course to apply my PHP development skills?

Throughout this course, you will engage in several hands-on projects designed to reinforce your learning. These include building a secure user authentication system, developing a complete CRUD application with a MySQL backend, and

constructing a functional RESTful API that can serve data to a client application. The final project will involve integrating various learned concepts into a more complex web application.

ABOUT COMPUTER PRIDE



East Africa's Premier IT Training Center

With over 15 years of excellence, Computer Pride delivers globally recognized certification programs from leading technology vendors. Located on Kenyatta Avenue in Nairobi's CBD, our state-of-the-art facilities and expert instructors have empowered thousands of professionals across East Africa.

15+

Years of Excellence

10,000+

Professionals Trained

50+

Vendor Certifications

READY TO ENROL?

Take the next step in your technology career.

Location

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