



HP TRAINING

Php Developer Training Course

Master PHP development to build dynamic web applications from scratch, enhancing your web development skills.

DURATION

Flexible

LEVEL

Intermediate

FORMAT

Instructor-Led

- Globally Recognized Certification

- Expert-Led Hands-On Training

- Flexible Scheduling

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COURSE OVERVIEW

The HP-certified PHP Developer Training Course at Computer Pride is meticulously designed for aspiring and intermediate developers eager to master the art of dynamic web application development. This comprehensive program delves deep into PHP, the foundational language powering a vast majority of the web, coupled with essential web technologies like HTML, CSS, and JavaScript. You will learn to build robust, scalable, and secure web solutions, from database integration using MySQL to crafting interactive user interfaces and understanding modern architectural patterns. This intermediate-level course goes beyond the basics, equipping you with practical skills in object-oriented programming (OOP) in PHP, working with advanced database concepts, and leveraging popular MVC frameworks such as Laravel. By focusing on hands-on projects and real-world scenarios, participants will not only grasp theoretical concepts but also gain invaluable experience in developing full-stack applications and RESTful APIs. Successful completion of this course positions you as a highly competent PHP developer, ready to contribute to complex web projects and drive innovation within any organization. You'll emerge with a portfolio-ready project, demonstrating your ability to build functional, secure, and maintainable web applications from scratch, making you a highly desirable candidate in the competitive IT landscape.

Level	Intermediate
Vendor	HP

COURSE CURRICULUM

01 Module 1: PHP Fundamentals and Web Essentials

- Introduction to Web Development & HTTP
- PHP Syntax, Variables, Data Types, and Operators
- Control Structures (Conditionals, Loops)
- Functions and Arrays
- Working with HTML Forms and User Input
- Introduction to Error Handling and Debugging

02 Module 2: Database Interaction with MySQL

- Introduction to Relational Databases and SQL
- Connecting PHP to MySQL using PDO
- Performing CRUD Operations (Create, Read, Update, Delete)
- Database Security and Prepared Statements
- Basic Database Design Principles
- Transactions and Concurrency Control

03 Module 3: Object-Oriented PHP and Advanced Concepts

- Object-Oriented Programming (OOP) Principles in PHP
- Classes, Objects, Inheritance, Polymorphism, Encapsulation
- Namespaces and Autoloading
- Traits and Interfaces
- Dependency Management with Composer
- Advanced Error and Exception Handling

04 Module 4: Building Dynamic Web Applications

- Session and Cookie Management
- User Authentication and Authorization Techniques
- File Uploads and Manipulation
- Email Sending with PHP

- Integrating Frontend Technologies (AJAX, JavaScript basics)
- Input Validation and Data Sanitization

05 Module 5: Modern PHP Frameworks (Laravel)

- Introduction to MVC Architecture
- Setting Up Laravel Development Environment
- Routing, Controllers, and Views (Blade Templating)
- Eloquent ORM and Database Migrations
- Middleware and Request Lifecycle
- Form Request Validation and Seeding

06 Module 6: API Development and Deployment

- Building RESTful APIs with Laravel
- API Authentication (e.g., Laravel Sanctum)
- Testing PHP Applications (Unit and Feature Testing)
- Version Control with Git and GitHub
- Basic Deployment Strategies (Shared Hosting, VPS basics)
- Performance Optimization and Security Best Practices

07 Module 7: Project Work and Best Practices

- Developing a Comprehensive Full-Stack PHP Project
- Code Refactoring and Maintainability
- Introduction to Design Patterns in PHP
- Security Vulnerabilities and Prevention
- Professional Development and Portfolio Building
- Continuous Integration/Continuous Deployment (CI/CD) Concepts

CAREER PATHWAYS

Graduates of this program are prepared for the following roles:

- > **Full-Stack PHP Web Developer**
- > **Backend API Developer (PHP/Laravel)**
- > **E-commerce Platform Specialist (e.g., Magento/WooCommerce customization)**

FREQUENTLY ASKED QUESTIONS

Q: What prior programming experience or knowledge is recommended before enrolling in this intermediate PHP Developer course?

This course is designed for individuals with foundational programming knowledge, preferably in another language, or those who have completed an introductory web development course. Familiarity with basic HTML, CSS, and command-line interfaces is highly beneficial, as is a conceptual understanding of databases. While we'll briefly review fundamentals, the pace assumes you're ready to dive deeper into PHP and its ecosystem, focusing on practical application and advanced concepts.

Q: How will this course specifically prepare me for real-world PHP development projects and enterprise-level applications?

This course emphasizes practical, hands-on development, focusing on industry best practices, object-oriented programming, and modern MVC frameworks like Laravel. You'll work on building complete web applications, integrating databases, developing secure authentication systems, and creating robust RESTful APIs. The curriculum is structured around real-world project scenarios, ensuring you gain the experience needed to contribute effectively to complex projects and understand scalable application architectures in a professional setting.

Q: Beyond core PHP, what specific skills will I gain to enhance my employability in the Kenyan tech market upon completing this course?

Upon completion, you will possess a robust skill set highly sought after in the Kenyan tech market. This includes expert-level PHP programming, advanced MySQL database management, proficiency in the Laravel framework for rapid application development, experience with API design and consumption, secure coding practices, and effective use of Git for version control. These comprehensive skills are directly applicable to roles in web development agencies, startups, and established enterprises seeking competent and modern PHP developers.

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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