

# HL7 FHIR Foundation Training

Duration: 2 Days

**Exam Voucher:** Yes

**Level:** Foundation

**Language:** English

- 2-days instructor-led FHIR training
- HL7 certified instructor
- Discussion session also included
- Each module includes exercises

Become the team's go-to FHIR expert and assist your company in deciding whether, when, and how to deploy the technology.

You may be confident that Microtek Learning is always working to develop the standard and will only teach you the latest updates.

- Learn from highly qualified professionals
- 50% of the exercises will be hands-on and group based.
- Sign up for an upcoming class or arrange for corporate training.
- Training can be customized to your individual needs.

## Who should attend:

- Software developers and implementers
- Architects, project managers, and others in charge of creating FHIR interfaces who decide where FHIR might be deployed

## At the end of the course, participants will be able to:

- Read the FHIR specification and become familiar with its structure.
- Recognize the idea of a resource and the many interoperability models that FHIR supports.
- Understand how to use master files, entity registries, and controlled vocabularies in FHIR.
- FHIR resources can be read and written.
- Recognize FHIR profiles, limitations, and extension usage
- Recognize how to use FHIR, as well as its documents, messaging, and transactions.

## What to Expect:

- Instructors that are both working professionals and experts in HL7 FHIR
- Instructors with HL7 certification who evaluate and comment on each module
- Discussion boards that encourage participation and interaction
- Each module includes exercises that put what you've learned into practice.

### Prerequisites

- There is no requirement for prior knowledge of HL7 standards, including FHIR.
- It is advised that you have some experience with software development and are familiar with XML or JSON.

### HL7 FHIR Course Outline:

#### Module 1: Introduction

- Why FHIR / Core principles
- Information sources
- FHIR status / Next steps
- What is a resource? Types of resources
- Key parts / Composition / Elements
- Resource reference

#### Module 2: RESTful FHIR

- What is REST / Why REST?
- Resource identity / Metadata
- Versions / Conformance
- Create / Update / Delete a resource
- Non-CRUD operations / Search

#### Module 3: FHIR PARADIGMS

- Transactions / Messages / Documents
- Relationship with CDA R2
- FHIR Architectural Approaches

#### Module 4: PROFILES / CONFORMANCE

- Need for profiles / Profiling a resource
- Extension definition / Constraints
- Conformance levels

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