QA Engineer Program

About the course

A four-month, beginner-friendly training for those who want to start a career in IT but have little to no experience with software testing.

You'll gain

The course will teach you everything you need to land a tech job. You'll learn the fundamentals of the QA profession and software testing, and be able to perform different types of tests by the end. Learn how to test web apps, APIs, and mobile apps. This program will teach you about databases, web protocols, linux consoles, and more.

Not only hard skills

This course teaches not just technical skills, but also soft skills required for a successful career in IT.

Among the skills you'll learn are teamwork, time management, goal setting, and more.

Practise focused

You'll learn only what you need to know to do real tester work.

We're here to help you land your dream job in IT. Because of that, this program also includes career-focused lessons.

Module 1: QA as a Profession & Testing Across Platforms

Unit 1: Fundamentals of QA & Testing

Basics of software testing: Definition of testing, tester's tasks, and creation of test documentation (checklists and bug reports).

Test Design: Software requirements analysis, test design principles, and techniques (equivalence classes, boundary values) for effective test case creation.

Delivery Format: 5 webinars, 10 academic hours of classroom work, and 20 academic hours of independent work.

Unit 2: Testing Web Applications

Overview of web application architectures. Testing web applications: Client-server architecture, URL, HTTP, and DevTools basics.

Principles of GUI testing, web forms, validation, and using DevTools.

Cross-platform and cross-browser testing. Adaptive and responsive design, limitations of DevTools.

Delivery Format: 3 webinars, 6 academic hours of classroom work, and 12 academic hours of independent study.

Unit 3: Mobile Application and API

Introduction to mobile app testing. Basics of working in Android Studio.

API concept and testing principles for REST APIs. A working knowledge of JSON, Postman, and curl tools.

Understanding API documentation, using Swagger as an example. Testing SOAP API. Structure and elements of XML files, using XSD schema.

Delivery Format: 4 webinars, 8 academic hours of classroom work, and 16 academic hours of self-study.

Module 2:
Expertise in scripting and applied testing.

Unit 4: Database + SQL. Linux & Logs

Basics of databases and SQL language. Practical compilation of SQL queries on the simulator. Sorting, logical statements, inline functions, creating, changing, and deleting data, subqueries, and joins.

Basics of the Linux console. Structure of commands: keys and arguments. VIM editor, grep, and ping utilities.

Intro to API automation

Delivery Format: 5 webinars, 10 academic hours of classroom study, and 20 academic hours of self-study.

Unit 5: Applied Testing: Final Project

Apply your knowledge to a simulated real-world project, just as you would in a real-world setting.

An integrated service includes a mobile app, a web app, and an API. You'll design and execute tests, then file bug reports.

Delivery Format: 7 webinars. 14 ac. hours of classroom work and 28 ac. hours of independent work.

Module 3:
Getting ready for employment

Career Prep

Find all the information you need about landing your dream job. Before applying for jobs, you need to cover some basics.

Create a portfolio, build an online presence with LinkedIn, plan your job search, and grow your network. After that, you'll work on your resume, cover letter, interviews, and negotiate offers.

Delivery Format: 4 webinars, 8 academic hours of classroom study, and 20 academic hours of self-study.

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Course Summary

28 online workshops

8 portfolio projects

168 hours in total

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< PRACTISE >

GET HIRED ./