KAIZENOVA TECHNOLOGIES LLC d/b/a TEK2KAREER

Program Catalog: Software Quality Assurance & Automation Specialist Certificate

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Program Snapshot

Item	Details
Total Clock Hours	192 Hours
Program Length	Approximately 48 Weeks (24 Weeks per Module)
Delivery Mode	Online

Item	Details
Program Tuition	$10,000
License Status	Authorized by the Michigan Department of Labor and Economic Opportunity (LEO)

Program Overview

The **Software Quality Assurance & Automation Specialist Certificate** is an applied, hands-on vocational training program designed to prepare students for employment in software testing, automation engineering, validation, and quality assurance roles.

The program provides end-to-end training covering:

- Software Development Life Cycle (SDLC / STLC)
- Manual testing concepts and techniques
- Test planning, defect lifecycle, and QA documentation
- Agile QA workflows using Scrum, Jira, and TestRail
- Automation scripting using Python and Selenium
- Version control, CI/CD fundamentals, and automated validation
- Real-world project testing in IT, web, and automotive environments

The program consists of two 96-hour instructional modules. Students may enroll in each module individually; however, the state-authorized certificate is awarded only upon successful completion of both modules.

Occupational Alignment

This program prepares students for occupations recognized by the U.S. Bureau of Labor Statistics (BLS), including:

- **15-1253** – Software Quality Assurance Analysts and Testers
- **15-1252** – Software Developers, Automation and Validation Support Roles
- **15-1211** – Computer Systems Analysts (Entry-Level QA Support)

Program Objectives

Upon successful completion of the full 192-hour program, students will be able to demonstrate competency in the following areas:

Quality Assurance Foundations

- Demonstrate understanding of SDLC, STLC, Waterfall, V-Model, and Agile Scrum.
- Develop test plans, test cases, and traceability matrices.
- Log and manage defects using Jira and TestRail.

Manual Testing Techniques

- Perform functional, integration, regression, smoke, sanity, usability, and exploratory testing.
- Apply industry-standard test design techniques.

Automation & Scripting

- Build test automation scripts using Python, Selenium, and PyTest.
- Construct reusable functions, locators, and page objects.
- Execute automated regression suites and generate reports.

Tools & Industry Skills

- Use Jira and TestRail for QA documentation and tracking.
- Use GitHub for version control.
- Execute API tests using Python Requests and Postman.
- Support DevOps workflows and CI/CD fundamentals.

Professional Skills

- Communicate effectively with developers, product managers, and QA teams.
- Analyze defects, write professional reports, and prepare stakeholder updates.
- Execute real-world QA scenarios through hands-on capstone projects.

Program Structure (192 Hours)

The authorized program consists of two integrated modules.

Module 1: Software Quality Assurance

Item	Details
Total Hours	96
Duration	24 Weeks
Delivery	Online

Topics Include:

- Introduction to Computer Systems and SDLC
- Software Testing Principles and QA Methodologies
- Test Design Techniques
- Defect Lifecycle (Severity and Priority)
- Jira and TestRail for QA Documentation
- Requirements Analysis and Test Execution
- Agile QA and Sprint-Based Testing
- Manual Testing Capstone Project

Instructional Format:

- 4 hours per week (2 days per week × 2 hours per session)
- Combination of lectures, assignments, and project-based learning

Module 2: Automation with Python

Item	Details
Total Hours	96
Duration	24 Weeks
Delivery	Online

Topics Include:

- Python Programming Foundations
- Data Structures, Functions, and Object-Oriented Programming (OOP)
- Selenium Automation Frameworks
- Locators, Assertions, and Page Object Model
- API Automation using Python, Requests, and Postman
- GitHub Version Control Workflows
- CI/CD using GitHub Actions
- Automation Capstone Project: E-Commerce Test Framework

Instructional Format:

- 4 hours per week
- Practical, hands-on automation framework development

Program Schedule Summary

Component	Hours	Duration	Format
Module 1 – Software Quality Assurance	96	24 Weeks	Online
Module 2 – Automation with Python	96	24 Weeks	Online
Total Program	**192**	**48 Weeks**	**Online**

Tuition & Fees

Item	Cost
Module 1 Tuition	$5,000
Module 2 Tuition	$5,000
Total Program Tuition	**$10,000**
Registration Deposit	$1,000 (Applied to Tuition)

Students may enroll in modules individually. The certificate is awarded only after both modules are completed.

Payment Options

Accepted payment methods include:

- Zelle
- Venmo
- PayPal
- Stripe
- Square
- Credit/Debit Card

Installment Plan: The remaining balance after the registration deposit may be paid in equal monthly installments during the enrolled module.

Refund Policy (LEO-Compliant)

Timing	Refund Percentage
7+ days before program start	100%
After 1–2 months	50%
After 3–4 months	25%
After 4 months	No refund

All refund requests must be submitted in writing to info@tek2kareer.com. Refunds are processed within 14 business days.

Admission Requirements

Applicants must provide:

- High school diploma, GED, or equivalent
- Basic computer literacy
- English reading and writing proficiency
- Valid government-issued photo ID
- Signed enrollment agreement and payment plan

Attendance Policy

- Minimum **80% attendance** is required for each module.
- Excused absences require documentation (medical or emergency).
- Excessive absences may result in dismissal from the program.

Grading & Completion Requirements

Grading Weight

Category	Weight
Assignments & Quizzes	40%
Practical Exercises	30%
Capstone Projects	30%

Completion Conditions

To complete the program and be awarded the certificate, students must:

- Earn **70% or higher** in both modules.
- Demonstrate proficiency in practical assessments.
- Complete both capstone projects.
- Complete Module 1.
- Complete Module 2.
- Ensure all tuition is paid in full.

Student Support Services

- Instructor office hours
- Email and phone support
- Learning Management System (LMS) access 24/7
- Remediation sessions
- Career readiness support (resume and interview preparation)

Tools & Equipment

Provided by the School

- Tutor LMS (Learning Management System)
- Zoom for live instruction
- Jira and TestRail QA tools
- Python IDEs (VS Code, PyCharm)
- GitHub and GitHub Actions
- Selenium WebDriver
- Microsoft Office (Word and Excel)
- Google Workspace

Student Equipment Requirements

Students must have:

- Laptop or desktop computer
- Webcam and microphone
- Stable internet connection

Disclaimer

This program is a Michigan LEO-authorized certificate program. Modules may be taken individually for skill enhancement; however, completion of both modules is required to earn the certificate. Completion of this program does not guarantee employment, but prepares students for industry-recognized software quality assurance and automation roles.