

Software Testing Analyst

Core IT Pathway



The Software Testing Analyst is responsible for the planning, implementation, and execution of testing to support IT and business processes. Using established techniques, they analyze functional specifications and test core application functionality, user interface, menu functions, etc. Software Testing Analysts create clear and understandable incident reports and contribute to continuous

improvement standards, procedures, and methodology.

All software applications that are developed either for use on Internet, or in offices, or for mobile devices need functional testing. A Testing Analyst plays a critical role in Software Development Life Cycle (SDLC) for the success of the software and in user experience and satisfaction.

5 Courses, 6 certifications, 9 Credits

195 Hours

Foundations in Information Technology
Software Testing Fundamentals

Introduction to Agile Project Management and Software Testing

Technical Documentation

Business Skills Essentials

6 Certifications*

CompTIA | Microsoft | ISTQB® | IAPM

CompTIA IT Fundamentals
ISTQB® Certified Tester Foundation Level
Certified Junior Agile Project Manager (IAPM)
ISTQB® Certified Tester Agile Tester Certificate

Professional Technical Communicator – Foundation
Microsoft Office Specialist – Microsoft Word

Project

Students will execute functional and regression testing per a test plan and analyze and report on the test results.

Certificate of Completion	College Credits
Students who pass all the courses and pass at least 50% of the certification exams receive a Certificate of Completion that represents successful completion of the Functional Testing Analyst program.	Whether or not you plan to continue your formal education immediately after completing a NuPaths' program, you'll earn college credits that you can apply toward a college degree. Students have the potential to earn up to 9 college credits in the Functional Testing Analyst program.

Course Descriptions

Foundations in Information Technology

The course focuses on the basics of computer hardware, software, mobile computing, networking, troubleshooting, and emerging technologies. Students learn about configuring operating systems, file and folder management, networks and network configuration, and the role of the OSI model in networking and troubleshooting. The course also includes an exploration of cutting-edge technologies such as cloud computing and virtualization.

Software Testing Fundamentals

The course focuses on the fundamental concepts of software testing including a common language for efficient and effective communication with other testers and project stakeholders. Established testing concepts, the fundamental test process, test approaches, and principles to support test objectives for both performance and usability are also explored.



Introduction to Agile Project Management and Software Testing

AGILE is a project management methodology that promotes continuous iteration of development and testing concurrently throughout the software development lifecycle. The course defines the core principles of AGILE methodology and examines three different methods of AGILE. The course also provides direction for AGILE testing, an approach that follows the principles of AGILE development.

Technical Documentation

Develop knowledge and understanding of technical communication within the context of creating documentation in Microsoft Word. Learn how to use Word to create, edit, and format documents of varying complexities. Use document templates and automate tasks to increase efficiency and use advanced capabilities for revision and tracking, cross-referencing, document security, and forms.

Business Skills Essentials

This course focuses on the business or “soft” skills that allow people to interact effectively and productively; skills like collaboration, communication, emotional intelligence, and time management.

Technology Experience Gained

Operating systems . Anti-malware software . Productivity software . Browser software . Wireless router
Backup software . Workstations . Laptop . Printer . External storage . Mobile device . Test management
software . Test execution software . Test data generation software . Result comparison software . File
monitoring software . Testing libraries . Test automation . Microsoft Word

*Third party certification providers give certification exams that must be successfully completed as per their requirements.

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