NORTH SEATTLE COLLEGE
One of the Seattle Colleges

Web Application Technologies Certificate – 515
Requirements Effective Summer 2020
Program Planning Guide

Program Description: Web Application Technologies enables students to build and support simple web-based applications. Students completing this certificate will qualify for positions in web application support, quality assurance, usability testing, and help desk.

Prerequisites: Many classes have prerequisites. Prerequisites are those classes that prove eligibility for entry-level classes by testing or by having satisfied prior course work. Course work earned at other institutions must be unofficially evaluated or approved by a program advisor before registering. Courses in this certificate with pre-requisites are marked with an asterisk (*). See catalog for more information.

Web Application Technologies Certificate Prerequisites: none.

Note: Advanced placement testing, work experience, and transfer of credits may result in course waivers, credit transfer, and advanced placement.

Program Requirements		
Course Number	**Certificate Requirements (15 credits)**	**Credit Hours**
IT 102	Introduction to Programming	5
IT 161	Web Authoring 1	5
IT 120	Network Essentials - CompTIA Network + (see Note 1)	5
IT 125	Using Structured Query Language & SQL Server (see Note 2)	5
	Total Credits:	**20**

Notes:
1. Must have EET 131 (may be taken concurrently) or instructor permission.
2. Recommended: work or class experience using DBMS.

Course Sequence: These four courses can be taken in any order.

Program Outcomes:

- Author simple web pages in HTML5, CSS, and related web technologies.
- Understand basic programming concepts such as variables, functions, input/output, and flow controls.
- Configure client and server devices with TCP/IP settings including IP addresses, ports, and domain names.
- Understand core relational database concepts such at tables, attributes, entities, queries, and connectors.

What Skills do I need to be successful in this field?

- https://www.onetonline.org/link/summary/15-1134.00 (Web Developers)

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- https://www.onetonline.org/link/summary/15-1151.00 (Computer User Support Specialists)
- https://www.onetonline.org/link/summary/15-1199.01 (Software Quality Assurance Engineers and Testers)

What are some potential job titles?

- web developer
- quality assurance engineer or tester
- computer user support specialist (help desk)

Wages, employment trends and pathways

Web Developers and Digital Interface Designers
https://www.onetonline.org/link/summary/15-1134.00#WagesEmployment

Computer User Support Specialists
https://www.onetonline.org/link/summary/15-1151.00#WagesEmployment

Software Quality Assurance Engineers and Testers
https://www.onetonline.org/link/summary/15-1199.01#WagesEmployment

NSC Advising Office: (206) 934-3658 https://northseattle.edu/advising

Program Website: https://northseattle.edu/certificates/web-application-technologies-certificate

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CIP: 11.0801 (Web Page, Digital/Multimedia and Information Resources Design.)

REV Date: 11/9/2020