

Web Application Technologies Certificate – 515

Requirements Effective Spring 2017

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 111	Internet and Web Authoring	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 as 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)

REV Date: 11/15/2016

For more information about our graduation rates, the median debt of students who have completed these program, and other important information, please visit our website at <https://northseattle.edu/about-north/gainful-employment-information>

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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

<https://www.onetonline.org/link/summary/15-1134.00#WagesEmployment>

<https://www.onetonline.org/link/summary/15-1151.00#WagesEmployment>

<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>

Program Contact: Robert Bunge (206) 934-4530 Robert.bunge@seattlecolleges.edu

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

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