

Web Development CERTIFICATE

Program Overview

This is a 24 credit certificate program providing a foundation in current web technologies. It features a two course sequence in client side programming including AJAX, and also coverage of at least two current server side technologies for database driven development. It includes popular technologies like Ruby on Rails and JSP/Servlets. This certificate may be completed apart from a degree program or may be selected as an emphasis in the Computer Programming AAS degree.

Career Opportunities

Graduates find excellent opportunities as computer programmers in business, manufacturing, government and education. Jobs for computer programmers for all types of computer systems are found throughout the country with opportunities for good earning and rapid advancement.

Program Outcomes

1. Graduates will code production web applications based on standard client and server side technologies.
2. Graduates will employ industry standard database management systems to support their applications.
3. Graduates will create responsive, mobile friendly web applications using standard industry practices.

Program Faculty

Darren Pearson
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Program Requirements

- Check off when completed

This program is designed for individuals who have computer programming knowledge or are currently employed in the computer programming field.

Course	Cr
<input type="checkbox"/> CSCI 1410 Computer Science & Information Systems	4
<input type="checkbox"/> CSCI 1450 Web Fundamentals/HTML	4
<input type="checkbox"/> CSCI 2440 Client Side Programming 1	4
<input type="checkbox"/> CSCI 2442 Server Side Programming	4
<input type="checkbox"/> CSCI 2466 J2EE-JSP and Servlets.	4
<input type="checkbox"/> CSCI 2622 Client Side Programming 2	4

Total Program Credits 24

Program Start Dates

Fall, Spring, Summer

Course Sequence

The following sequence is recommended for a part-time student. Not all courses are offered every semester. Please contact the Program Faculty for course sequence.

First Semester

CSCI 1410 Computer Science & Information Systems	4
CSCI 1450 Web Fundamentals/HTML	4
Total Semester Credits	8

Second Semester

CSCI 2440 Client Side Programming 1	4
CSCI 2442 Server Side Programming	4
Total Semester Credits	8

Third Semester

CSCI 2466 J2EE-JSP and Servlets.	4
CSCI 2622 Client Side Programming 2	4
Total Semester Credits	8

Total Program Credits 24

See back of this guide for Course Chart

Minimum Program Entry Requirements

Students entering this program must meet the following minimum program entry requirements:

Reading: Score of 250+ or grade of "C" or better in READ 0722

Writing: Score of 250+ on Reading Comprehension or grade of "C" or better in ENGL 0922

Quant. Reasoning, Algebra & Stats: Score of 250+ or **Adv. Algebra & Functions:** Score of 215+ or grade of "C" or better in MATH 0910

Assessment Results and Prerequisites: Students admitted into Saint Paul College programs may need to complete additional courses based on assessment results and course prerequisite requirements. Certain MATH, READ, and ENGL courses have additional prerequisites.

244C

*Information is subject to change.
This Program Requirements Guide is not a contract.*

Web Development CERTIFICATE *(continued)*
 (24 credits)

The below chart illustrates the courses required for completion of this certificate.

