



## Computer and Web Programming Certificate - 30 credits

Program Area: Computer Information Systems (Fall 2018)

**\*\*\*REMEMBER TO REGISTER EARLY\*\*\***

### Program Description

This program is designed to prepare the student with the knowledge to design, create, and maintain Web pages for use on the World Wide Web.

*The Computer and Web Programming Certificate transfers seamlessly into LSC's Computer and Web Programming Diploma (57 credits), and Computer and Web Programming AAS Degree (72 credits).*

### Program Outcomes

- Successfully design, implement, host a web page that incorporates appropriate use of graphics and multimedia
- Use problem-solving techniques to create a computer or web program to solve business problems

### Required Courses

| Number    | Name                        | Credits | Term |
|-----------|-----------------------------|---------|------|
| CIS 1402  | Foundations of CIS          | 3       |      |
| CIS 1406  | Web Programming I           | 3       |      |
| CIS 1410  | Web Site Design             | 3       |      |
| CIS 1412  | Web Graphics I              | 3       |      |
| CIS 1415  | Introduction to Programming | 4       |      |
| CIS 1408* | Web Programming II          | 4       |      |
| CIS 1420* | Advanced Web Site Design    | 4       |      |
| CIS 1510  | Microcomputer Database      | 2       |      |
| CIS 1610* | Web Scripting               | 4       |      |

**Total Credits 30**

\*Requires a prerequisite or a concurrent course

### Pre-program Requirements

Successful entry into this program requires a **basic level of keyboarding skills** and a specific level of skill in the areas of English, mathematics, and reading.

#### English/Reading:

- A score of 78 or higher on the reading comprehension portion of the Accuplacer, or
- Completion of ENGL/READ 0950 or 0955 (or equivalent course or higher). ENGL/READ 0955 may be taken concurrently with Semester I coursework.

#### Mathematics:

- A score of 71 or higher on the **Elementary Algebra Skills** portion of the Accuplacer, or
- Completion of MATH 0460 (or equivalent course or higher). MATH 0460 may be taken concurrently with Semester I coursework.

*For interpretation of test results and selection of appropriate coursework; or general information about the program, admissions, financial aid, and getting started at LSC, contact the professional advising team at [pat@lsc.edu](mailto:pat@lsc.edu) or 218-733-7601*

For more information about the Computer and Web Programming Certificate including course descriptions, course prerequisites, the gainful employment disclosure, and potential career opportunities, see program

Website: <https://degrees.lsc.edu/web-design/>

- or -

Contact Faculty Advisor, Anup Parajuli: [a.parajuli@lsc.edu](mailto:a.parajuli@lsc.edu), 218-733-5955



MINNESOTA STATE

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