

## Software Coding <sup>1</sup>

### ► Contact Information

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### ► Delivery Methods

Face-to-Face: Fargo  
 Online: All Classes  
 Combination

### Software Coding (Certificate)

Course Code	Course Title	Credits
CIS 180	HTML and CSS	3
CSCI 133	Database Concepts	3
CSCI 134	Database Design and Management	3
CSCI 162	Web Application Programming	3
CSCI 230	Web Database I (ASP/PHP)	3
	General Education Elective	3
<b>Total Required Credits for Certificate</b>		<b>18</b>

Software coding requires knowledge of programming and database development. They assist in developing or adapting applications for businesses and organizations to meet the end user's needs.

Formal education and real-world experience form a good basis for the development of coding software. This curriculum will enhance student's skill sets and knowledge which will assist in the building and maintaining of applications or programs.

For students wishing to pursue a bachelor's degree at a four-year college or university, please see the Computer Science or Management Information Systems Liberal Arts transfer curriculum plans listed in the Liberal Arts section of this catalog.

### Facilities

NDSCS has hardware and networking labs. Each of these labs has current equipment and software.

All Information and Communications Technology students are required to purchase laptop computers. These laptops give students adequate computer access to complete projects and assignments given in class.

### Instruction

The instructors for this program have formal educational training, industry training and certifications, and work experience in Information Technology. Laboratory time is scheduled into each student's program to enable them to receive individual attention and hands-on computer experience.

NOTE: This program requires the purchase of a notebook computer. The cost will be approximately \$1,500 with several purchase or lease options available. For further information, call the Information Technology Department at 701-671-3333.

### Admission Requirements\*

The applicants must be high school graduates or equivalent. Helpful courses to prepare for this curriculum are keyboarding, Internet classes, and any publication type class.

Required minimum placement scores:

<u>ACT</u>	<u>ACCUPLACER</u>	<u>ACCUPLACER</u>
Composite – 17	Reading Comp – 85	<u>NEXT GENERATION</u>
	WritePlacer – 5	Reading – 256
	Elementary Algebra – 25	Writing – 250
	Arithmetic – 51	QAS – 225

Or transfer equivalencies will apply as appropriate

*\*Program Admission Requirements are subject to revision. Please check the department or program website under Program Admission Requirements for current information.*

### Award

Upon successful completion of the required courses for the degree, students will be awarded a Certificate in Information and Communications Technology with an emphasis in Software Coding.

<sup>1</sup> *This curriculum is currently pending approval for Title IV (Financial Aid) funding by the U.S. Department of Education.*

Revised: June 2021