

# WEB DEVELOPMENT – N068

## A.S. in Computer Information Systems

### CONTACT

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COURSE TITLE	COURSE NUMBER	PREREQUISITES	CREDITS
<b>GENERAL EDUCATION REQUIREMENTS</b>			<b>23-24</b>
College Composition I: Expository Writing and Research [A]	ENG 101	Appropriate scores on English placement tests or C- or better in ENG 095 or C- or better in ENG 097 and ENG 098, or C- or better in ENG 096 or ENG 099.	3
College Composition II: Writing about Literature [A]	ENG 102	Prerequisite: ENG 101 with a grade of C- or better	3
Social Science Elective [B]			3
Social Science Elective [B]	SSN XX2		3
Laboratory Science Elective [E]	SCI XX2		4
Laboratory Science Elective [E]	SCI XX1		4
Math Elective [D]	MTH XX3		3-4
<b>PROGRAM REQUIREMENTS</b>			<b>32</b>
Computer Concepts with Applications	CSI 111	Prerequisite: Eligibility for ENG 101	4
Introduction to Web Site Development	CSI 252	Student may not receive credit for more than one of these courses: CSI 231, 260, and 252. Prerequisite: CSI 111, Eligibility for MTH 095 or the equivalent of college-level algebra	3
Scripting for the Web	CSI 255	Prerequisite: CSI 252	4
Network Development	CSI 251	Prerequisite: CSI 101 or CSI 111	3
Mobile Application Development	CSI 207	Prerequisite: CSI 106	4
Programming Fundamentals I	CSI 106	Students will not receive credit for both CSI 105 and CSI 106. Prerequisites: Eligibility for ENG 101 and MTH 095; CSI 111 previously or concurrently.	4
Programming Fundamentals II	CSI 218	Prerequisites: CSI 106, or permission of instructor; and CSI 111, and MTH 095 or MTH 099 or SM18, or Mathematics Placement Exam.	4
Applied Database Management	CSI 242	Prerequisite: Introductory Computer Course (CSI 111, BUS 115, BUS 215, or equivalent)	3
Media for the Web [C]	EMS 118		3
<b>PROGRAM ELECTIVES</b>			<b>25</b>
Program Elective 6-8			6-8
<b>Total Credits</b>			<b>61-64</b>

### PROGRAM OVERVIEW

Upon completion of the Web Development option, students should be able to design and develop both the frontend and backend of websites using languages such as HTML-5, Javascript, PHP, Java, and/or C++. Students will understand the differences between client and server side programming, trace programming flow and logic, and learn how to create stable and scalable designs. Students will experience development on both mobile and desktop environments. This degree is intended to prepare students for a job in the web design field after completion of the degree.

### NOTES

Program Electives:  
Select from the following: CSI 254, CSI 256, EMS 112, EMS 140, ENG 223