



**Computer Information Systems** ◆ **Software Development and Security**  
 ◆ **Associate of Applied Science**      **60 Credits** ◆

**Program Description**

The Computer Information Systems program provides skills to ensure secure programming. You will learn about essential principles of programming, security maintenance, and troubleshooting. If you plan to transfer for a bachelor’s degree, refer to the Transfer Degree or speak with an advisor.

**Career Options**

The CIS Software Development and Security degree provides training to become a computer programmer.

The recommended full time **Online/WebEx** schedule starting in the fall semester is below.

**OL = Online**

**WX = WebEx**

**Semester One, Fall, 15 Credits.**

COURSE PREFIX	COURSE NUMBER	ONLINE OR VIRTUAL	TITLE	CREDITS
C I S	115	OL	Introduction to Computer Information Systems	3
E N G	121	OL	English Composition 1 <b>OR</b>	
E N G	131	OL	Technical Writing	3
C S C	119	OL	Intro to Programming	3
C N G	124	OL, WX	Networking 1: Network +	3
C I S	220	OL, WX	Fundamentals of Unix	3

**Semester Two, Spring, 17 Credits.**

COURSE PREFIX	COURSE NUMBER	ONLINE OR VIRTUAL	TITLE	CREDITS
C S C	105	OL	Computer Literacy	3
M A T	121	OL	College Algebra	4
C S C	160	OL	Computer Science I	4
C I S	240	OL	Database Design and Development	3
C W B	210	OL	Introduction to Web Authoring	3

**Semester Three, Fall, 16 Credits.**

COURSE PREFIX	COURSE NUMBER	ONLINE OR VIRTUAL	TITLE	CREDITS
C S C	161	OL	Computer Science II	4
C N G	211	OL	Windows Configuration	3
C N G	132	OL, WX	Network Security Fundamentals	3
C N G	131	OL	Principles of Information Assurance	3
C I S	268	OL	Systems Analysis and Design I	3

**Semester Four, Spring, 12 Credits.**

COURSE PREFIX	COURSE NUMBER	ONLINE OR VIRTUAL	TITLE	CREDITS
C S C	220	OL	Intro to MS Visual Basic.NET	3
C I S	243	OL	Intro to SQL	3
C S C	240	OL	Java Programming	3
C W B	130	OL	Web Editing Tools	3

**Semester Milestones**

Always complete courses with a grade of C or higher.

***Fall 1<sup>st</sup> Year***

1) Complete FAFSA for next academic year when registering for spring semester.

***Spring 1<sup>st</sup> Year***

1) Complete scholarship applications for next academic year. 2) Register for summer and fall semesters. 3) If you plan to enroll in any summer classes, submit Summer Intent Form to Financial Aid Office for funding. 4) Check on your portal to make sure your Financial Aid for next year is processed. If so, you will be able to accept your award offer.

***Fall 2<sup>nd</sup> Year***

1) Meet with your advisor to complete your Graduation Planning Sheet; 2) Register for spring semester.

***Spring 2<sup>nd</sup> Year 1)***

Graduate!!