

Computer Information Systems: Programming & User Support

2018-2019 Catalog

Award Granted Upon Completion: Associate in Applied Science in CIS:
Programming & User Support

Credits/Contacts Required: 60/60

Major code: 03/326

CIP Code: 151202

Description

The CIS: Programming & User Support program prepares students for careers in end-user support and programming. Graduates will have the potential for employment in the areas of program development, software training, database support, web page development, and Help Desk Support.

General Education Requirements – Min 15 credits

		<u>Cr</u>
ENGL-101	Rhetoric & Composition	3
BUSN-177	Mathematics of Business **	3
XXXX-xxx	Social & Behavioral Science or Humanities Elective	3
XXXX-xxx	General Education Electives	6

Requirements – Min 45 credits *

		<u>Cr</u>
BUSN-195	Business Communications	3
CIS-101	Computer Concepts & Applications	4
CIS-103	Visual Basic -OR-	3-4
CSCI-121	C++ Programming I	
CIS-115	Using Microsoft Windows	3
CIS-120	Microsoft Word	1
CIS-123	Microsoft PowerPoint	1
CIS-130	Spreadsheet Applications	3
CIS-135	Introduction to Cybersecurity	2
CIS-140	Database Applications	3
CIS-203	Visual Basic for Applications -OR-	3
CIS-240	Advanced Database Applications	
CIS-210	Web Page Design & Structure	3
CIS-220	Java Programming	4
CIS-235	Mobile App Development	3
XXXX-xxx	Approved Electives **	8-9

* Approved Electives (Choose minimum 8-9 credits)

BUSN-160	Introduction to Business	3
BUSN-203	Management Information Systems	3
CIS-103	Visual Basic -OR-	3-4
CSCI-121	C++ Programming I	
CIS 125	Business Technology Tools	2
CIS-203	Visual Basic for Applications -OR-	3
CIS-240	Advanced Database Applications	
CIS-215	Web Publishing	3
CIS-271	CIS Internship/Co-op *	1
CIS-272	CIS Internship/Co-op *	2
CIS-273	CIS Internship/Co-op *	3
CNSS-101	Emerging Technologies	3
CNSS-150	A+ Computer Maintenance	4
CSCI-110	Introduction to Programming #	3
CSCI-122	C++ Programming II	4

Internships and Co-ops may require that the student pass a criminal background check.

Suggested Sequences Per Semester

		<u>Cr / Ct</u>
First Semester		
BUSN-177	Mathematics of Business **	3/3
CIS-101	Computer Concepts & Applications	4/4
CIS-115	Using Microsoft Windows	3/3
CIS-120	Microsoft Word	1/1
CIS-123	Microsoft PowerPoint	1/1
ENGL-101	Rhetoric & Composition	3/3
		<u>15/15</u>

Second Semester		
CIS-103	Visual Basic -OR-	3-4/3-4
CSCI-121	C++ Programming I	
CIS-130	Spreadsheet Applications	3/3
CIS-135	Introduction to Cybersecurity	2/2
BUSN-195	Business Communications	3/3
XXXX-xxx	Social & Behavioral Science/ Humanities Elective	3/3
		<u>14-15/14-15</u>

Third Semester		
CIS 140	Database Applications	3/3
CIS-210	Web Page Design & Structure	3/3
CIS-220	Java Programming	4/4
XXXX-xxx	Approved Elective*	3/3
XXXX-xxx	General Education Elective	3/3
		<u>16/16</u>

Fourth Semester		
CIS-235	Mobile App Development	3/3
CIS-203	Visual Basic for Apps -OR-	3/3
CIS-240	Advanced Database Apps	
XXXX-xxx	General Education Elective	3/3
XXXX-xxx	Approved Electives *	5-6/5-6
		<u>14-15/14-15</u>

* Internship/Co-op credits (maximum 3) may be used as elective credits. All internship/co-ops must be approved by an advisor.

** MATH-105, MATH 107, MATH 110, or MATH 210 also accepted.

CSCI-110 will be accepted as an elective only if taken prior to successful completion of CIS-103, CIS-210, CIS-220, CIS-235, and CSCI-121.