Please use this matrix (schedule) as a guideline for completing the program.

PROGRAM NAME: Computer Information Systems Administration, AAS
TOTAL DEGREE CREDITS REQUIRED: 65-69

Semester 1

Course #	Course Title	Credits
ENG 101	English Composition I	3
CIS 115	A+ Computer Technology Hardware	3
CIS 110	Introduction to Computer Information Systems	3
CIS 143	Web Page Design I	3
CIS 153	Networking Essentials	3
	Total Credits:	**15**

Semester 2

Course #	Course Title	Credits
ENG 102	English Composition II	3
MAT 142	College Mathematics	3
OR	*OR*	*OR*
MAT 151	College Algebra* **If taking CSC 110, from program requirement options, please take MAT 151 as it is the designated prerequisite for CSC 110*	4
BUS 206	Microeconomics	3
CIS 116	A+ Computer Technology Software	3
CIS 120	Introduction to Programming	3
Choose One	Physical and Biological Sciences Course from AGEC – A	4-5
	Total Credits:	**19-21**

Semester 3

Course #	Course Title	Credits
CIS 204	Programming and Game Development in C++	3
OR	*OR*	*OR*
CIS 206	Programming for the Web in JavaScript	3
OR	*OR*	*OR*
CSC 110	Computer Science I* **Prerequisite note: MAT 151*	4
Choose One	Physical and Biological Sciences Course from AGEC – A	4-5
BUS 207	Macroeconomics	3
SOC 131	Introduction to Sociology	3
Choose One	Arts and Humanities Course from AGEC – A	3
	Total Credits:	**16-18**

Semester 4

Course #	Course Title	Credits
CIS 210	Database Management and SQL Design	3
CIS 270	Systems Analysis and Design	3
CIS 253	Network Security	3
CIS 206	Programming for the Web in JavaScript** ***If CIS 206 was successfully completed in Semester 3, please choose CIS 208*	3
OR	*OR*	*OR*
CIS 208	Programming in C#	3
Choose One	Arts and Humanities Course from AGEC – A	3
	Total Credits:	**15**