

## St. Augustine College

### Associate of Applied Science Degree – Computer Information Systems

First	Semester	Credit
ENG 160	Composition I	4
MAT 112	Intermediate Algebra	4
CIS 102	Introduction to CIS	4
HIS 104 or HIS 105 or PSC 103	US History to 1865 or US History 1865 to Present or Amer Gov & Politics	4
	Total Hours	16

Second	Semester	Credit
ENG 162	Composition II	4
SPA 222	The Hispanic-American Lit	4
CIS 110	Intro to Object Oriented Prog	4
BUS 110	Intro to Business	4
	Total Hours	16

First	Semester	Credit
CIS 290	Database Management	4
CIS 210 or CIS 130	Concentration Options*	4
CIS 212 or CIS 216	Concentration Options*	4
MAT 225	Introductory Statistics	4
	Total Hours	16

Second	Semester	Credit
CIS 270 or CIS 280	Managing Information Systems or Intro to System Analysis	4
CIS 250 or CIS 217	Concentration Options*	4
CIS Elective*	Concentration Options*	4
BIO, CHM or PHY	Science Elective**	4
	Total Hours	16

#### Concentration Option I: Application Programmer

CIS 210	Object Oriented Programming II	4
CIS 212	Visual Basic Programming	4
CIS 250	Web Design and Programming	4
CIS Elective	RMC recommends CIS 217	4

#### Concentration Option II: System Development

CIS 130	Microcomputer Hardware System	4
CIS 216	Operating Systems	4
CIS 217	Network Concepts	4
CIS Elective	RMC recommends CIS 250	4

\*\*Science Course not required for St. Augustine AAS degree; however, strongly recommended for transfer to Robert Morris.

\*St. Augustine College is on the semester system. All courses are 4 semester hours each.

## Robert Morris College

### Bachelor of Applied Science in Computer Studies Degree<sup>+</sup>

Seventh	Quarter	Credit
CIS 264	Networking Essentials	4
CIS 307	Client/Server Network Database	4
ENG 225	Writing Life's Work	4
HUM	Humanities Elective	4
	Total Hours	16

Eighth	Quarter	Credit
CIS 265	Introduction to Routing	4
CIS 415	Database Management	4
ENG 325	Writing for the Community	4
MAT 210	Finite Mathematics	4
	Total Hours	16

Ninth	Quarter	Credit
CIS 266	Router Configuration	4
CIS 444	Network Security	4
MAT 220	Discrete Mathematics	4
SSC	Social Science Elective	4
	Total Hours	16

Tenth	Quarter	Credit
CIS 318	Java Programming	4
CIS 364	Advanced Routing	4
CIS 445	Advanced Network Services	4
CMT 350	Career Management	4
	Total Hours	16

Eleventh	Quarter	Credit
CIS 356	Advanced Internship	4
CIS 498	Senior Project	4
CIS 365	Advanced LAN Switching	4
CIS 308	Database Design	4
	Total Hours	16

Twelfth	Quarter	Credit
CIS 366	WAN Technologies	4
CIS 446	Computer Forensics	4
HUM 310	Contemporary	4
SCI	Science Elective	4
	Total Hours	16

**Total St. Augustine College hours = 76 semester hours/114 quarter hours**

**Total Robert Morris College Hours = 76 quarter hours**

**Total hours for degree = 190 quarter hours**

<sup>+</sup> Plan reflects BAS in Computer Studies with Networking Concentration;  
Upper Division Courses will be adjusted according to individual student's thematic choices.