

Computer Science Technology - Programming & Networking
Associate in Applied Science
M.A.P.

Semester	Suggested Courses	Semester(s) Offered*	Credit Hours
Semester 1 15 credit hours	CIS 149 Introduction to Computers	Fall	3
	CIS 191 Introduction to Computer Programming Concepts	Fall	3
	CIS 193A Introduction to Computer Programming Lab	Fall	1
	CIS 157 Introduction to App Development with Swift	Fall	3
	MTH 100 <i>or</i> Intermediate College Algebra <i>or</i> MTH 116 Mathematical Applications	Fall, Spring, Summer	3
	ORI 101 Orientation to College	Fall, Spring, Summer	2
Semester 2 13 credit hours	CIS 263 Computer Maintenance	Spring	3
	CIS 251 C++ Programming (Recommended CST Elective)	Spring	3
	CIS 193B C++ Programming Lab (Recommended CST Elective)	Spring	1
	CIS 220 App Development with Swift I (Recommended CST Elective)	Spring	3
	ENG 101 English Composition I	Fall, Spring, Summer	3
Semester 3** 6-7 credit hours	SPH 106 <i>or</i> Fundamentals of Oral Communication <i>or</i> SPH 107 Fundamentals of Public Speaking	Fall, Spring, Summer	3
	Area III Math or Natural Science Elective	Fall, Spring, Summer	3-4
Semester 4 13-15 credit hours	CIS 161 Intro Networking Communications (Recommended CST Elective)	Fall	3
	CIS 171 Linux I (Recommended CST Elective)	Fall	3
	CIS Elective Select any CIS elective (excluding CIS 146 and CIS 203)	Fall, Spring	3
	CIS Elective Select any CIS elective (excluding CIS 146 and CIS 203)	Fall, Spring	1-3
	Area II Fine Arts or Humanities	Fall	3
Semester 5 16 credit hours Programming & Networking AAS Achieved	CIS 249 Microcomputer Operating Systems	Spring	3
	CIS 255 Java Programming (Recommended CST Elective)	Spring	3
	CIS 193F Java Programming Lab (Recommended CST Elective)	Spring	1
	CIS 207 Web Development	Spring	3
	CIS 202 Python Programming	Spring	3
	Area IV History or Social/Behavioral Science	Fall, Spring, Summer	3

Part-time and full-time students desiring to begin the CST program of study during a spring or summer semester should consult with an academic advisor to establish an alternate degree completion pathway.

*Course(s) may be offered in additional semesters, but are only assured to run in semester(s) indicated. It is **highly** recommended for course(s) to be completed in the semester(s) indicated.

**Students desiring not to enroll for a summer semester may complete the courses listed *Semester 3* during alternative semesters.