

Degree: **Associate in Applied Science**
 Major: **COMPUTER TECHNOLOGY (CPT3)**
 Emphasis: **Programming**
 Credit Requirements: 75 semester credit hours

This curriculum prepares students for entry-level positions in several computer-related professions. After completing a year in general computer courses, students select an emphasis in Programming or Networking. Students who select a Programming emphasis will be skilled in programming languages, providing them the potential to work as business application programmers, database managers and system analysts. The Networking emphasis provides students skills in network architecture, network design, and LAN services and support. Students must have a "C" or better in all CPT and IST classes to graduate.

FIRST SEMESTER (FALL)

CPT 170	Microcomputer Applications	3
CPT 168	Programming Logic and Design	3
IST 166	Network Fundamentals	3
MAT 101	Beginning Algebra*	3
PHI 103	Workplace Ethics*	3
	TOTAL	15

SECOND SEMESTER (SPRING)

CPT 176	Micro Operating Systems	3
CPT 209	Computer Systems Management	3
CPT 187	Object Oriented Logic and Design	3
CPT 270	Advanced Microcomputer Applications	3
MAT 122	Finite College Math*	3
	TOTAL	15

THIRD SEMESTER (SUMMER)

IST 225	Internet Communications	3
CPT 260	Operating Systems and Web Servers	3
ENG 155	Communications I*	3
CPT 186	Visual Basic I	3
PSY 103	Human Relations*	3
	TOTAL	15

FOURTH SEMESTER (FALL)

ENG 160	Technical Communications*	3
CPT 162	Introduction to Web Page Publishing	3
CPT 242	Database	3
CPT 163	Introduction to Multimedia for Web Pages	3
CPT 286	Visual Basic II	3
	TOTAL	15

FIFTH SEMESTER (SPRING)

CPT 262	Advanced Web Page Publishing	3
CPT 264	Systems and Procedures	3
IST 292	Fundamentals of Network Security	3
	Elective (Choose two)**	6
	TOTAL	15
	TOTAL CREDIT HOURS	75

*Students interested in the Transfer & University Parallel Programs may substitute the following courses: MAT 110 College Algebra for MAT 101 Beginning Algebra; PSY 201 General

Psychology for PSY 103 Human Relations; ENG 101 English Composition I; SPC 205 Public Speaking for ENG 155 Communications I; ENG 102 English Composition II for ENG 160 Technical Communications; and PHI 110 Ethics for PHI 103 Workplace Ethics.

**CPT 236 or CPT 294 or CPT 280 or IST 164 or IST 290 or CWE XX3