

INFO TECH – COMPUTER PROGRAMMING AND DEVELOPMENT (A25590P)

Associate in Applied Science Degree

Effective: Fall 2020

Student Educational Plan

Student Name _____

Student ID# _____

Semester Start Date _____

Length: 5 Semesters

Prerequisite: High School Diploma or Equivalent

Fall Semester-1st Year

Prefix No.	Title	Class	Lab	Credit	Grade
CTI 110	Web, Pgm, & DB Foundation	2	2	3	_____
CTI 120	Network & Sec Foundation	2	2	3	_____
CTS 115	Info Sys Business Concepts	3	0	3	_____
DBA 110	Database Concepts	2	3	3	_____
NET 110	Networking Concepts	2	2	3	_____
ACA 115	Success & Study Skills	0	2	1	_____
Totals				16	

Spring Semester-1st Year

Prefix No.	Title	Class	Lab	Credit	Grade
CCT 110	Intro to Cyber Crime	3	0	3	_____
CIS 115	Intro to Prog. & Logic	2	3	3	_____
CSC 111	Intro to Ethical Hacking	3	0	3	_____
CTI 141	Cloud and Storage Concepts	1	4	3	_____
MAT ____	Math Requirement *	2-3	2	3-4	_____
Totals				15-16	

Summer Semester

Prefix No.	Title	Class	Lab	Credit	Grade
NOS 110	Operating System Concepts	2	3	3	_____
SEC 110	Security Concepts	2	2	3	_____
Totals				6	

Fall Semester-2nd Year

Prefix No.	Title	Class	Lab	Credit	Grade
CSC 118	Swift Programming I	2	3	3	_____
CSC 134	C++ Programming	2	3	3	_____
DBA 120	Database Programming I	2	2	3	_____
ENG 111	Writing and Inquiry	3	0	3	_____
COM ____	Communications Requirement +	3	0	3	_____
Totals				15	

Spring Semester-2nd Year

Prefix No.	Title	Class	Lab	Credit	Grade
CSC 218	Swift Programming II	2	3	3	_____
CSC 234	Advanced C++ Programming	2	3	3	_____
CTS 289	System Support Project	1	4	3	_____
Or					
WBL 111	Work-Based Learning I	0	10 (Clinical)	1	_____
PSY 150	General Psychology	3	0	3	_____
_____	Humanities/Fine Arts Requirement ++	3	0	3	_____
Totals				13-15	

TOTAL REQUIRED CREDITS ... 65-68

Program Contact Information

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*Math Requirement (Select One: MAT 110, MAT 121, MAT 143, MAT 152, MAT 171)

+Communications Requirement (Select One: COM 120, COM 231)

++Humanities/Fine Arts Requirement (Select One: HUM 110, HUM 115, PHI 240)

INFO TECH – COMPUTER PROGRAMMING AND DEVELOPMENT (A25590P)

DIPLOMA (D25590)

Fall Semester-1st Year

Prefix No.	Title	Class	Lab	Credit	Grade
CTI 110	Web, Pgm, & DB Foundation	2	2	3	_____
CTI 120	Network & Sec Foundation	2	2	3	_____
CTS 115	Info Sys Business Concepts	3	0	3	_____
DBA 110	Database Concepts	2	3	3	_____
NET 110	Networking Concepts	2	2	3	_____
COM ____	Communications Requirement +	3	0	3	_____
ACA 115	Success & Study Skills	0	2	1	_____
Totals				19	

Spring Semester-1st Year

Prefix No.	Title	Class	Lab	Credit	Grade
CCT 110	Intro to Cyber Crime	3	0	3	_____
CIS 115	Intro to Prog. & Logic	2	3	3	_____
CSC 111	Intro to Ethical Hacking	3	0	3	_____
CTI 141	Cloud and Storage Concepts	1	4	3	_____
_____	Humanities/Fine Arts Requirement ++	3	0	3	_____
Totals				15	

Summer Semester

Prefix No.	Title	Class	Lab	Credit	Grade
NOS 110	Operating System Concepts	2	3	3	_____
SEC 110	Security Concepts	2	2	3	_____
Totals				6	

TOTAL REQUIRED CREDITS ... 40

+Communications Requirement (Select One: COM 120, COM 231)

++Humanities/Fine Arts Requirement (Select One: HUM 110, HUM 115)

CERTIFICATES

CERTIFICATION PREP CERTIFICATE (C25590C)

CTI 120	Network & Sec Foundation
CTS 120	Hardware / Software Support
NET 110	Networking Concepts
SEC 110	Security Concepts
Total Credit Hours in Certificate ... 12	

COMPUTER PROGRAMMING CERTIFICATE (C25590P)

CIS 115	Intro to Prog. & Logic
CSC 118	Swift Programming I
CSC 134	C++ Programming
CSC 218	Swift Programming II
CSC 234	Advanced C++ Programming
Total Credit Hours in Certificate ... 15	

INFO TECH – COMPUTER PROGRAMMING AND DEVELOPMENT (A25590P)

CYBER SECURITY CERTIFICATE (C25590S)

CCT 110	Intro to Cyber Crime
CCT 285	Trends in Cyber Crime
CSC 111	Intro to Ethical Hacking
CTI 120	Network & Sec Foundation
NET 110	Networking Concepts
SEC 110	Security Concepts
Total Credit Hours in Certificate ... 18	

DATABASE CERTIFICATE (C25590D)

CTI 110	Web, Pgm, & DB Foundation
CTI 141	Cloud and Storage Concepts
DBA 110	Database Concepts
DBA 120	Database Programming I
Total Credit Hours in Certificate ... 12	

INFORMATION TECHNOLOGY CERTIFICATE (C25590)

CTI 110	Web, Pgm, & DB Foundation
CTI 120	Network & Sec Foundation
CTS 115	Info Sys Business Concepts
NOS 110	Operating System Concepts
Total Credit Hours in Certificate ... 12	

WEB PROGRAMMING CERTIFICATE (C25590W)

CTI 110	Web, Pgm, & DB Foundation
CIS 115	Intro to Prog. & Logic
WEB 182	PHP Programming
WEB 210	Web Design
Total Credit Hours in Certificate ... 12	