

DEGREE MAP

The following sequence is an example of how this program can be completed within the recommended time frame. It presumes that all course and program prerequisites have been met. Completion times may vary depending on individual circumstances. Students should consult an advisor when they plan their individual completion path using MyDegreePlan.

Program Name: Computer Programming (Programming Concentration) - Associate of Applied Science Degree

Locations Offered: Sierra Vista Campus

First Semester: Fall

Requirement Category	Course(s)	Delivery*	Credits
Core Curriculum	CIS 130 Programming Logic	F2F	3
Core Curriculum	CYB 101 Introduction to Cybersecurity	F2F, OL	3
Core Curriculum	CYB 102 Networking Foundations	F2F, OL	3
Core Curriculum	CYB 103 Basic Operating Systems	F2F, OL	3
Gen Ed-Technology Literacy	CIS 120 Introduction to Information Systems	F2F, OL	3

Second Semester: Spring

Requirement Category	Course(s)	Delivery*	Credits
Core Curriculum	CIS 128 Linux Operating System	OL	4
Core Curriculum	CIS 181 Computer Applications	OL	3
Core Curriculum	CYB 125 Introduction to Scripting for Cybersecurity	F2F, OL	4
Core Curriculum	CIS 204 C Programming	F2F, OL	4

Third Semester: Fall

Requirement Category	Course(s)	Delivery*	Credits
Core Curriculum	CIS 208 Java Programming	F2F, OL	4
Core Curriculum	CIS 250 Database Management	F2F	4
Gen Ed-Composition	ENG 101 Composition	F2F, OL	3
Gen Ed-Mathematics	MAT 142 College Mathematics or higher	F2F, OL	3-4

Fourth Semester: Spring

Requirement Category	Course(s)	Delivery*	Credits
Core Curriculum	CIS 217 Introduction to Visual C# .NET Programming	OL	4
Core Curriculum	CIS 220C Data Structures-C or CIS 220J Data Structures-Java	F2F, OL	4
Gen Ed-Composition	ENG 102 English Composition	F2F, OL	3
Gen Ed-Liberal Arts		F2F, OL	3
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Total credits required: 61-62

*Key: F2F = Face-to-Face OL = Online

Reviewed: 3/1/2022

Notes: Students should discuss the course sequence with the CIS Department