

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	CYB 101 Introduction to Cybersecurity	CB, OL	3
Core Curriculum	CYB 102 Networking Foundations	CB, OL	3
Core Curriculum	CYB 103 Basic Operating Systems	CB, OL	3
Core Curriculum	CIS 130 Programming Logic	CB	3
Gen Ed-Technology Literacy	CIS 120 Introduction to Information Systems	CB, OL	3

Second Semester: Spring

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

Third Semester: Fall

Requirement Category	Course(s)	Delivery*	Credits
Core Curriculum	CIS 208 Java Programming	CB, OL	4
Core Curriculum	CIS 217 Introduction to Visual C# .NET Programming	OL	4
Gen Ed-Composition	ENG 101 Composition or ENG 101L Composition with Support Lab	CB, OL	3
Gen Ed-Mathematics	MAT 142 College Mathematics or MAT 142L College Mathematics with Support Lab or higher	CB, OL	3-4

Fourth Semester: Spring

Requirement Category	Course(s)	Delivery*	Credits
Core Curriculum	CIS 220C Data Structures-C or CIS 220J Data Structures-Java	CB, OL	4
Core Curriculum	CIS 250 Database Management	CB, OL	4
Gen Ed-Composition	ENG 102 English Composition	CB, OL	3
Gen Ed-Liberal Arts		CB, OL	3
Gen Ed-Liberal Arts		CB, OL	3

Total Credits Required: 61-62

*Key *CB = Campus-Based (In Person or Hybrid: Requires attendance at a physical location)*

OL = Online (Synchronous, Asynchronous, or Online Combo)

Reviewed: 3/1/2025

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