

Associate of Applied Science – CIS – Software & Web Design (AAS) - 2024-25 Catalog

Blocks are suggested for full-time students, but may be adjusted based on course scheduling, student employment, or individual needs. Courses Highlighted lead to the Certificate of Proficiency.

First Semester

X	Course	Notes	credits
	ENL 101 College Composition I *	Requires Placement	3
	CIS107 * OR CIS105*	Requires Placement	3
	Physical & Biological Science *	Requires Placement	4
	Arts and Humanities OR Social Behavioral Science*	Requires Placement	3
	MAT 112 or higher *	Requires Placement OR Math 109-Prerequisite	3

Second Semester

X	Course	Notes	credits
	CIS 111 Introduction to Programming *	CIS 105 or CIS 107 & MAT 112- Prerequisite	3
	CIS 130 Information Security Fundamentals *	CIS 105 or CIS 107- Prerequisite	3
	CIS 187 Introduction to Web Development		3
	CIS 245 Database Management Concepts *	CIS 105/ CIS 107- Prerequisite	3
	Elective	Unduplicated courses at the 100-level or higher	3

Summer Session

X	Course	Notes	credits
	Elective	Unduplicated courses at the 100-level or higher	3

Third Semester

X	Course	Notes	credits
	ENL 102 College Composition II * OR Communications	ENL 101-Prerequisite	3
	CIS 112 Introduction to Programming II *	CIS 111-Prerequisite	3
	CIS 190 JavaScript Programming *	CIS 111 & CIS 187-Prerequisites	3
	CIS 217 Java Programming Introductory * OR CIS 225 Programming in C * OR CIS226 C++ Programming	CIS 111-Prerequisite (required for all classes)	3
	CIS 243 Database-Driven Web Sites	CIS 111 & CIS 187- Prerequisites	3

Fourth Semester

X	Course	Notes	credits
	CIS 121 Critical Thinking in IT		3
	CIS 227 C# Programming *	CIS 111-Perequisite	3
	CIS 265 Web Programming *	CIS 190-Prerequisite	3
	CIS 280 Systems Analysis and Design	CIS 111-Prerequisite	3
	Elective	Unduplicated courses at the 100-level or higher	3

Block 5 (ANY summer session)

* = Prerequisite (Speak with your academic advisor or check the notes section for more information.)

Notes: This checksheet is a suggestion of how this program can be completed as a full-time student and may need to be adjusted based on the semester you start or your personal circumstance. Students should consult an advisor when they plan their individual completion path.

General education options are located in section IV, Programs, of the NPC college catalog. To be sure your general education course applies to your degree, speak with your academic advisor. The online version of the college catalog is located on our public website: <https://www.npc.edu/college-catalog>

For more information about this program, including costs, visit our website: <https://www.npc.edu/softwareanddesign>

Your Academic Plan

Semester ____ Year ____

Course	Credits	Grade

Semester ____ Year ____

Course	Credits	Grade

Semester ____ Year ____

Course	Credits	Grade

Semester ____ Year ____

Course	Credits	Grade

Semester ____ Year ____

Course	Credits	Grade

Semester ____ Year ____

Course	Credits	Grade