

Name		
NPC ID		
<b>Total Credits</b>	<u>64</u>	

Associate of Applied Science – CIS – Software Development (AAS) - 2025-26 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**

Х	Course	Notes	credits
	ENL 101 College Composition I *	Requires Placement	3
	CIS 105 Computer Application and Information Tech*	Requires Placement	3
	Natural Science *	Requires Placement	4
	Arts & Humanities OR Social & Behavioral Science*	Requires Placement	3
	MAT 112 or higher *	Requires Placement <b>OR</b> Math 109-Prerequisite	3

#### **Second Semester**

Х	Course	Notes	credits
	CIS 111 Introduction to Programming *	CIS 105 or CIS 107 and MAT 112- Prerequisite	3
	CIS 130 Information Security Fundamentals *	CIS 105 or CIS 107 or Instructor Permission-	3
		Prerequisite	
	CIS 187 Introduction to Web Development *	CIS 105- Prerequisite	3
	CIS 245 Database Management Concepts *	CIS 105 or CIS 107 or Instructor Permission-	3
		Prerequisite	
	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**

Х	Course	Notes	credits
	ENL 102 College Composition II *OR Communications	ENL 101-Prerequisite	3
	CIS 112 Introduction to Programming II *	CIS 111 or Instructor Permission - Prerequisite	3
	CIS 190 JavaScript Programming *	CIS 111 & CIS 187 or Instructor Permission -	3
		Prerequisites	
	CIS 217 Java Programming Introductory *	CIS 111 or Instructor Permission -Prerequisite	3
	CIS 219 Human Computer Interaction		3

### **Fourth Semester**

X	Course	Notes	credits
	CIS 121 Critical Thinking in IT		3
	CIS 226 Programming in C++ OR	CIS 111 or Instructor Permission- Prerequisite	3
	CIS 227 C# Programming		
	CIS 218 Mobile Application Development *	CIS 217 - Prerequisite	3
	CIS 280 Systems Analysis and Design	CIS 111 or Instructor Permission - Prerequisite	3
	Elective	Unduplicated courses at the 100-level or higher	3

\* = 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

# Semester\_\_\_\_Year\_\_\_

# Course Credits Grade

# Semester\_\_\_\_\_ Year\_\_\_\_

Course	Credits	Grade

## Semester\_\_\_\_\_ Year\_\_\_\_

Course	Credits	Grade

# **Your Academic Plan**

Semester	Year

Course	Credits	Grade

### Semester\_\_\_\_\_ Year\_\_\_\_

Course	Credits	Grade

### Semester\_\_\_\_\_ Year\_\_\_\_\_

Course	Credits	Grade