Northland Pioneer College
EXPANDING MINDS ● TRANSFORMING LIVES ℠

Computer Information Systems - Associate of Applied Science
Software & Web Development

Direct to Work

The Web Development and Graphic Design AAS prepares you for tasks ranging from creating web graphics to simple page building and web server administration to the methodologies used for systems analyses and design.

Name: _____

ID#: _____

Program Requirements

GPA..2.0
Credits.......................................64

General Education Courses 16 Credits

Areas	Courses
English/Com. **Required: 6-Credits** Complete ☐	**(Each course is worth 3 credits)** ☐ ENL 101 College Composition I **Plus one of the following:** ☐ ENL 102 College Comp II (required for AGEC) ☐ ENL 109 Technical Writing ☐ SPT 110 Fundamentals of Oral Communication ☐ SPT 120 Public Speaking
Math **Required: 3-Credits** Complete ☐	**(Each course is worth 3 credits unless noted)** ☐ MAT 112 Algebra II: Intermediate ☐ MAT 125 Introduction to Statistics ☐ MAT 142 College Math with Con App ☐ MAT 152 Advanced Algebra ☐ MAT 161 Algebra Based Math EE I ☐ MAT 162 Algebra Based Math EE II ☐ MAT 189 Pre-Calculus Algebra/Trig ☐ MAT 211 Technical Calculus (4 credits) ☐ MAT 221 Calculus I (4 credits) ☐ MAT 231 Calculus II (4 credits) ☐ MAT 241 Calculus III (4 credits)
Physical & Biological Sciences **Required: 4-Credits** Complete ☐	**(Each course is worth 4 credits)** ☐ ANT 104 Biological Anthropology & Human Origins ☐ BIO 100 Biology Concepts ☐ BIO 105 Environmental Biology ☐ BIO 160 Introduction to Human Anatomy& Physiology ☐ BIO 181 General Biology I ☐ BIO 182 General Biology II ☐ **CHM 130 Foundational Chemistry ☐ **CHM 151 General Chemistry I ☐ CHM 152 General Chemistry II ☐ GEO 111 Physical Geography ☐ GLG 101 Introduction to Geology I – Physical Geology ☐ GLG 102 Introduction to Geology II –Historical Geology ☐ PHY 113 General Physics I ☐ PHY 114 General Physics II
Required: 3-Credits Complete ☐	Students **MUST choose one course from either** <u>Arts & Humanities</u> **OR** <u>Social & Behavioral Sciences.</u> **(Each course is worth 3 credits)**
Arts & Humanities	☐ ART 101 Understanding Art ☐ ART 115 Art History I ☐ ART 116 Art History II ☐ ART 215 Native American Art ☐ ENL 220 World Literature I ☐ ENL 221 World Literature II ☐ ENL 224 English Literature I ☐ ENL 225 English Literature II ☐ ENL 230 American Literature I ☐ ENL 231 American Literature II ☐ HUM 150 Humanities in the Western World I ☐ HUM 151 Humanities in the Western World II ☐ MUS 150 Music Appreciation ☐ MUS 250 World Music ☐ PHL 101 Introduction to Philosophy ☐ PHL 103 Introduction to Logic/critical Thinking ☐ PHL 105 Introduction to Ethics ☐ SPT 130 Introduction to Theatre ☐ SPT 150 Introduction to Film ☐ SPT 155 History of Television

Areas	Courses
Social & Behavioral Sciences	☐ *ANT 102 Cultural Anthropology ☐ ANT 120 Buried Cities and Lost Tribes ☐ ECN 211 Principles of Macroeconomics ☐ ECN 212 Principles of Microeconomics ☐ *GEO 110 World Regional Geography ☐ GEO 120 Human Geography ☐ *HIS 105 U.S. History to 1877 ☐ *HIS 106 U.S. History Since 1877 ☐ *HIS 155 Western Civilization to 1700 ☐ *HIS 156 Western Civilization since 1700 ☐ POS 110 American Government ☐ PSY 101 Introduction to Psychology ☐ PSY 240 Developmental Psychology ☐ PSY 250 Social Psychology ☐ SOC 101 Introduction to Sociology ☐ SOC 121 Social Problems ☐ SOC 212 Sex and Gender in Society ☐ SOC 215 Ethnicity and Race in Society ☐ SOC 225 Sociology of the Family

Core Courses 39 Credits

Areas	Courses
Core Courses **Required 39-credits** Complete ☐	☐ CIS 105 Computer Applications & Information Technology ☐ CIS 111 Introduction to Programming ☐ CIS 112 Introduction to Programming II ☐ CIS 125 Digital media ☐ CIS 130 Information Security Fundamentals ☐ CIS 187 Introduction to Web Development ☐ CIS 190 Java Script Programming ☐ CIS 217 JAVA Programming, Introduction **OR** CIS 225 Programming in C Languages **OR** CIS 226 Programming in C ++ ☐ CIS 227 C# Programming ☐ CIS 243 Database-Driven Websites ☐ CIS 245 Database Management Concepts ☐ CIS 265 Web Programming ☐ CIS 280 System Analysis & Design

Elective Courses 9 Credits

Areas	Courses
Required Electives **Required: 9 Credits**	Choose unduplicated courses at 100 level or higher ☐ Course: _____ ☐ Course: _____

Courses over 8 years old may be reevaluated for this program

If you are a student with a disability and need accommodations, please contact the **Disability Resource and Access** office located at the White Mountain Campus. The coordinator, Sandy Manor, travels to all NPC campuses and centers.
An appointment can be scheduled to meet with her by calling:
(800) 266-7845, ext. 6178.

SEE REVERSE SIDE FOR MORE INFORMATION

Suggested Semester Plan of Study
(complete your degree in two years)

Semester 1	Credits	Semester 2	Credits
Physical biological Sciences	4	CIS 111	3
CIS 105	3	CIS 130	3
MAT 112 or higher	3	CIS 187	3
ENL 101	3	CIS 245	3
Art and humanity/Social Behavioral Science	3		
		Summer Semester	**Credits**
		Elective	3
		Elective	3

Semester 3	Credits	Semester 4	Credits
CIS 112	3	CIS 125	3
CIS 190	3	CIS 227	3
CIS 243	3	CIS 265	3
Cis 217 OR 225 OR 226	3	CIS 280	3
ENL 102	3	Elective	3

Your Semester Plan of Study

Semester 1	Credits	Semester 2	Credits

Semester 3	Credits	Semester 4	Credits

Additional Semesters as Needed

Semester 5	Credits	Semester 6	Credits

Semester 7	Credits	Semester 8	Credits

Important Dates to Remember:

Fall 2019 Semester:

April 8	Schedule available online..
April 15	**Veterans Priority Registration Day.**
April 22	**Registration begins at 7:30 a.m.**
August 26	**Fall semester begins**
September 3	Labor Day College Closed
September 6	Last day to withdraw without a "W" on transcript.
October 7	Fall Graduation Application deadline.

Spring 2020 Semester:

November 18	Schedule available online.
November 25	**Veterans Priority Registration Day.**
December 2	**Registration begins at 7:30 a.m.**
January 21	**Spring semester begins**
January 28	**Last day to withdraw without a "W" on transcript**
February 17	Spring Graduation Application deadline.
March 16-20	Spring Break
May 16	Graduation

Summer 2020 Semester:

March 30	Schedule available online
April 6	**Veteran's Priority Deadline**
April 13	**Summer Registration begins at 730 am**
June 1	**Summer session Begins**

Http:npc.edu/academic-calendar

Total Estimated Program Cost	Cost
Tuition (2019)	$4,928.00
Fees	$500.00
Books	$ 1,400.00 - $3,000.00
TOTAL:	$6828.00 - $8428.00

*Tuition, fees and books subject to change without notice. Total is an Estimate.

Helpful Definitions and Websites

- See the cost savings in just tuition by completing the first two years of your bachelor's degree at NPC at **www.npc.edu/transferU**

- Find out more about NPC transfer agreements with other colleges and universities at **www.npc.edu/transfer-agreements**

- Learn all about Arizona's guaranteed transfer degrees to ASU, NAU and UofA at **www.aztransfer.com**

- NPC's **college catalog** is available online at **www.npc.edu/college-catalog** or from any campus or center adviser.

- Articulation: the process of determining the transfer and applicability of courses from one institution of higher education to another.

- Course Equivalency Guide: shows how community college courses transfer to the three state universities. It also has many equivalencies among the three state universities. It does NOT indicate how a course transfers to a specific degree program. Course equivalencies are *"year specific"* meaning that in order to see if course work will transfer, you must review the Course Equivalency Guide for the year in which you took the course.

- Course Prefix: generally three or four characters identifying a department or division in which a course is taught *(example: SOC is commonly used for Sociology courses)*

- Prerequisites: a course that must be completed prior to taking a subsequent course.

- SUN#: the Shared Unique Number (SUN) System identifies some of the transferable lower-division courses commonly offered at the three Arizona public universities and at least two Arizona community colleges. The system ensures that a SUN course at a participating institution will be accepted as a direct equivalent to the comparable SUN course at the other participating institution.