NorthWest Arkansas Community College	**Associate of Applied Science in Computer Information Systems** **Option: Computer Programming** 2023 Advising Sheet

Student Name: Student ID #:

This is an Advising Sheet to assist Advisors and Students with their goals. This is not a degree plan awarded at NWACC

60 hrs

General Education Required Courses (15 Hours)
☐ CISQ   1103   Intro to Computer Information **OR** Computer Proficiency Exam
☐ ENGL 1013   English Composition I
☐ ENGL 1023   English Composition II
☐ MATH 1203   College Algebra
☐ XXXX   XXX3   Social/Behavioral Science Elective*

General Business Required Courses (12 Hours)
☐ ACCT   2013   Principles of Accounting I
☐ BLAW   2013   Legal Environment of Business I
☐ ECON   2013   Macroeconomics
 OR
☐ ECON   2023   Microeconomics
☐ OSIM   1103   Business Communications

General Business Elective Courses (9 Hours)
☐ ACCT   2023   Principles of Accounting II
☐ CISM   1223   Photoshop—**(Required for Track B only)**
☐ CISM   1313   Operating Systems (UNIX)
☐ CISM   1503   Spreadsheet Analysis (EXCEL)
☐ CISM   2503   Advanced Spreadsheet (EXCEL)
☐ NTWK   2014   Networking and Information Systems

Computer Information Systems Required Courses (24 Hours)
Programming Core (12 Hours):
☐ CISM   1433   SQL Concepts

☐ PROG   1003   Programming Logic I,
OR
☐ PROG   1003H Programming Logic I-Honors

☐ PROG   1403   Programming Logic II,
OR
☐ PROG   1403H Programming Logic II-Honors

☐ BADM 2703   Internship Experience,
 OR
☐ PROG   2703   Capstone: Software Engineering Project

Choose One of the Following Tracks:
Track A) Application Development (Choose 12 Hours total from groups 1 & 2):
Group 1—6 Hours Required:
☐ PROG   1103   GUI Programming
☐ PROG   2413   Programming Logic III

Group 2—6 Hours Required: *(Note: If transferring to UA Engineering Program, you must take PROG 1204 and PROG 2204)*
☐ PROG   1204   Programming Foundations I
☐ PROG   1303   Web Client-Side Programming
☐ PROG   1603   Swift Programming
☐ PROG   2204   Programming Foundations II
☐ PROG   2303   Web Server-Side Programming
☐ PROG   2603   Mobile App Development
☐ PROG   2613   Adv Mobile Application Development

Track B) Web Development (Choose 12 Hours):
☐ CISM   2123   Web Page Design I
☐ CISM   2213   Web Page Design II
☐ CISM   2223   Advanced Photoshop
☐ PROG   1303   Web Client-Side Programming
☐ PROG   2303   Web Server-Side Programming
☐ NTWK   2243   Securing Electronic-Commerce
Track C) Mobile Applications Development (12 Hours):
☐ PROG   1103   GUI programming
☐ PROG   1603   Swift Programming
☐ PROG   2603   Mobile Application Development
☐ PROG   2613   Adv Mobile Application Development

Honors and Global Studies courses will meet degree requirements where applicable.

>>>Check the college catalog for possible prerequisites before enrolling in classes>>>

POSSIBLE PLACEMENT REQUIREMENTS
These courses are for developing college level skills.

NWACC strongly recommends that students enroll in English and math preparatory courses within the first two semesters.

☐MATH 0012   Foundations of Quantitative Reasoning
☐MATH 0013   Pre-algebra
☐MATH   0022   Foundations of Beginning Algebra
☐MATH 0053   Beginning Algebra
☐MATH 0103   Intermediate Algebra
☐MATH 0112   Foundations of College Algebra
☐MATH 0214   Foundations of Algebra-STEM
☐ENGA   0033   College Reading**
☐ENGA   0063   Intermediate Writing
☐ENGA   0093   Reading and Writing Studio
☐ENGA   0091   Academic Literacy Lab**
☐ENGC   0033   College Reading & Vocabulary**
☐ENGC   0131   Comp Review

These hours will not fulfill any degree requirements at NWACC. These courses will not transfer to a four year institution

Notes: Honors courses will meet degree requirements where applicable.

 *Social/Behavioral Science Elective Options: ANTH 1023, CMJS 2013, ECON 2013, ECON 2023, GEOG 1003, GEOG 1123, HIST 1003, HIST 1013, HIST 1033, HIST 1043, HIST 2003, HIST 2013, PHIL 2003, PHIL 2033, PLSC 2003, PLSC 2203, PLSC 2803, PSYC 2003, PSYC 2103, SOCI 2013, SOCI 2033, SOCI 2043.

15 hours must be earned at NWACC to graduate.