| NorthWest Arkansas Community College | Associate of Applied Science in Computer Information Systems <br> Option: Computer Programming <br> 2022 Advising Sheet |  |
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| 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) <br> 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* <br> General Business Required Courses (12 Hours) ACCT 2013 Principles of Accounting I BLAW 2013 Legal Environment of Business I ECON 2013 Macroeconomics <br> OR ECON 2023 Microeconomics OSIM 1103 Business Communications <br> 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) <br> 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, <br> OR PROG 2703 Capstone: Software Engineering Project <br> Choose One of the Following Tracks: <br> Track A) Application Development (Choose 12 Hours total from groups 1 \& 2): <br> Group 1-6 Hours Required: PROG 1103 GUI Programming PROG 2413 Programming Logic III <br> 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 <br> 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 <br> 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 <br> These courses are for developing college level skills. <br> NWACC strongly recommends that students enroll in English and math preparatory courses within the first two semesters. <br> 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 requiremen <br> *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. <br> 15 hours must be earned at NWACC to graduate. | were applicable. |

