

NorthWest Arkansas Community College		Associate of Applied Science-Computer Information Systems Computer Programming 2018 Degree Plan	
Student Name: Student ID #:			
<div>60 hrs</div>			
<u>General Education Required Courses (15 Hours)</u> <input type="checkbox"/> CISQ 1103 Intro to Computer Information OR Computer Proficiency Exam <input type="checkbox"/> ENGL 1013 Composition I <input type="checkbox"/> ENGL 1023 Composition II <input type="checkbox"/> MATH 1203 College Algebra <input type="checkbox"/> XXXX XXX3 Social/Behavioral Science Elective* <u>General Business Required Courses (12 Hours)</u> <input type="checkbox"/> ACCT 2013 Principals of Accounting I <input type="checkbox"/> BLAW 2013 Legal Environment of Business I <input type="checkbox"/> ECON 2013 Macroeconomics OR <input type="checkbox"/> ECON 2023 Microeconomics <input type="checkbox"/> OSIM 1103 Business Communications <u>General Business Elective Courses (9 Hours)</u> <input type="checkbox"/> ACCT 2023 Principles of Accounting II <input type="checkbox"/> CISM 1223 Photoshop— (Required for Track B only) <input type="checkbox"/> CISM 1303 Operating Systems (Windows) <input type="checkbox"/> CISM 1313 Operating Systems (UNIX) <input type="checkbox"/> CISM 1503 Spreadsheet Analysis (EXCEL) <input type="checkbox"/> CISM 2503 Advanced Spreadsheet (EXCEL) <input type="checkbox"/> NTWK 2014 Networking and Information Systems		<u>Computer Information Systems Required Courses (24 Hours)</u> Programming Core (12 Hours): <input type="checkbox"/> CISM 1433 SQL Concepts <input type="checkbox"/> PROG 1003 Introduction to Programming Logic <input type="checkbox"/> PROG 1203 C++ Programming OR <input type="checkbox"/> PROG 1403 JAVA Programming *Required for Track D <input type="checkbox"/> BADM 2703 Internship Experience Choose One of the Following Tracks: Track A) Application Development (Choose 12 Hours total from groups 1 & 2): Group 1—6 Hours Required: <input type="checkbox"/> PROG 1103 GUI Programming *Required for Track A <input type="checkbox"/> PROG 2203 C++ Programming II <input type="checkbox"/> PROG 2413 JAVA Programming II Group 2—6 Hours Required: <input type="checkbox"/> PROG 1203 C++ Programming <input type="checkbox"/> PROG 1403 JAVA Programming <input type="checkbox"/> PROG 1503 COBOL Programming <input type="checkbox"/> PROG 1603 Apple Programming <input type="checkbox"/> PROG 2303 Web Server-Side Programming <input type="checkbox"/> PROG 2503 iOS App Development <input type="checkbox"/> PROG 2603 Android App Development <input type="checkbox"/> PROG 2803 Advanced Programming Topics	
		Track B) Web Development (Choose 12 Hours): <input type="checkbox"/> CISM 2123 Web Page Design <input type="checkbox"/> CISM 2213 Advanced Web Page Design <input type="checkbox"/> CISM 2223 Advanced Photoshop <input type="checkbox"/> PROG 1303 Web Client-Side Programming <input type="checkbox"/> PROG 2303 Web Server-Side Programming <input type="checkbox"/> NTWK 2243 Securing Electronic-Commerce Track C) Database Development (Choose 12 Hours): <input type="checkbox"/> CISM 1423 Database Management I <input type="checkbox"/> CISM 2403 Database Management II <input type="checkbox"/> CISM 2433 Data Warehousing <input type="checkbox"/> PROG 1303 Web Client-Side Programming Track D) Mobile Applications Development (12 Hours): <input type="checkbox"/> PROG 1403 JAVA Programming <input type="checkbox"/> PROG 1603 Apple Programming <input type="checkbox"/> PROG 2503 iOS Application Development <input type="checkbox"/> PROG 2513 iOS Advanced Application Development <input type="checkbox"/> PROG 2603 Android Application Development <input type="checkbox"/> PROG 2613 Adv Android Application Development <i>Honors and Global Studies courses will meet degree requirements where applicable.</i>	
>>>Check the college catalog for possible prerequisites before enrolling in classes>>>			
POSSIBLE PLACEMENT REQUIREMENTS These courses are for developing college level skills. **Students scoring 77 or below on the Accuplacer Classis Reading, 251 or below on the Accuplacer Next Generation Placement Test, or 18 or below on the ACT Reading Placement Test shall enroll into either ENGA 0033 or ENGA 0091 during their first or second semester in college and each subsequent semester, if necessary, until the course is successfully completed. NWACC strongly recommends that students enroll in English and math preparatory courses within the first two semesters. <input type="checkbox"/> MATH 0012 Foundations of Quantitative Literacy <input type="checkbox"/> MATH 0013 Pre-algebra <input type="checkbox"/> MATH 0023 Developmental Math <input type="checkbox"/> MATH 0053 Beginning Algebra <input type="checkbox"/> MATH 0063 Algebra I <input type="checkbox"/> MATH 0073 Algebra II <input type="checkbox"/> MATH 0064 Foundations of Math Reasoning <input type="checkbox"/> MATH 0103 Intermediate Algebra <input type="checkbox"/> MATH 0214 Foundations of Algebra-STEM <input type="checkbox"/> ENGA 0033 College Reading** <input type="checkbox"/> ENGA 0063 Intermediate Writing <input type="checkbox"/> ENGA 0091 Academic Literacy Lab** <input type="checkbox"/> ENG C 0033 College Reading & Vocabulary <input type="checkbox"/> ENG C 0043 Communication & Culture <input type="checkbox"/> ENG C 0063 Intermediate Writing 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.	