## Student Name:

## Student ID #:

Student Name:	Stude	nt ID #:
	60-66 hrs	
	k the college catalog for possible prerequisites before enrolling	
General Education Required Courses (15 Hours)	Choose One of the Following Tracks: Track A) Application Development (Choose 12 Hours total	Networking Required Courses (45 Hours)
CISQ 1103 Intro to Computer Information <b>OR</b> Computer  Proficiency Evam	from groups 1 & 2):	Networking Core (36 Hours):
Proficiency Exam ENGL 1013 English Composition I	Group 1—6 Hours Required:	□ CISM 1313 Operating Systems (UNIX)
ENGL 1013 English Composition II	□ PROG 1103 GUI Programming *Required for Track A	□ NTWK 2014 Networking and Information Sys. (CCNA 1)
□ MATH 1203 College Algebra	□ PROG 2203 C++ Programming II	□ NTWK 2023 Network Administration - Windows
□ XXXX XXX3 Social/Behavioral Science Elective*	PROG 2413 JAVA Programming II	□ NTWK 2053 Microcomputer Hardware Support (A+)
	Group 2—6 Hours Required:	$\Box$ NTWK 2084 Network Hardware Sup. (CCNA 2)
General Business Required Courses (6 Hours)	PROG 1203 C++ Programming	$\square$ NTWK 2113 Network Security (COMP TIA Security +)
□ ACCT 2013 Principles of Accounting I	PROG 1403 JAVA Programming	
□ BLAW 2013 Legal Environment of Business I	PROG 1503 COBOL Programming	□ NTWK 2203 Command Line Scripting
	PROG 1603 Swift Programming	□ NTWK 2214 Switching Basics & Inter. Routing (CCNA 3)
COMPUTER PROGRAMMING OPTION (39 hours)	□ PROG 2303 Web Server-Side Programming	□ OSIM 2503 Computer Support and Project Mgmt
Required General Business Courses (6 hours)	PROG 2603 Mobile App Dev.	□ PROG 1003 Intro to Programming Logic, <b>OR</b>
ECON 2013 Macroeconomics <b>OR</b>	Track B) Web Development (Choose 12 Hours):	PROG 1013 Fundamental Prog. Concepts
□ ECON 2023 Microeconomics	CISM 2123 Web Page Design I	BADM 2703 Internship Experience
□ OSIM 1103 Business Communications	CISM 2213 Web Page Design II	
	CISM 2223 Advanced Photoshop	Networking Electives (9 Hours):
General Business Elective Courses (9 Hours)	PROG 1303 Web Client-Side Programming PROG 2303 Web Server Side Programming	CISM 1433-SQL Concepts
□ ACCT 2023 Principles of Accounting II	PROG 2303 Web Server-Side Programming NTWK 2242 Securing Electronic Commerce	
CISM 1223 Photoshop—(Required for Track B only)	□ NTWK 2243 Securing Electronic-Commerce Track C) Mobile Applications Development (Choose 12	□ NTWK 2073 Network Administration - UNIX
CISM 1313 Operating Systems (UNIX)	Hours):	□ NTWK 2103 Web Server Administration
CISM 1503 Spreadsheet Analysis (EXCEL)	PROG 1103 GUI Programming	□ NTWK 2153 Microcomputer Software
□ CISM 2503 Advanced Spreadsheet (EXCEL)	PROG 1403 JAVA Programming	□ NTWK 2224 WAN Implementation & Support (CCNA 4)
NTWK 2014 Networking and Information Systems	PROG 1603 Swift Programming	NTWK 2243 Secure Electronic-Commerce
	PROG 2413 JAVA Programming II	□ NTWK 2253 Computer Forensics
Computer Information Systems Required Courses (24	PROG 2603 Mobile App Development	□ NTWK 2263 Network Security Support (CCNA Security)
Hours)	PROG 2613 Adv. Mobile App Development	□ OSIM 1103 Business Communications
Programming Core (12 Hours):		
CISM 1433 SQL Concepts	INFO MGMT & APPLICATIONS OPTION (39	
PROG 1003 Introduction to Programming Logic	Hours)	
PROG 1203 C++ Programming <b>OR</b> R PROG 1402 IAVA Programming *Persited for Track P	BADM 2703 Internship Experience – <b>Required Course</b>	
<ul> <li>PROG 1403 JAVA Programming *Required for Track D</li> <li>BADM 2703 Internship Experience</li> </ul>	Required General Business Courses (6 hours)	
	ECON 2013 Macroeconomics <b>OR</b>	
	ECON 2023 Microeconomics	
POSSIBLE PLACEMENT REQUIREMENTS These courses are for developing college level skills.	□ OSIM 1103 Business Communications	Notes:
these courses are for developing conege level skins.	General Business Electives (6 hours)	
NWACC strongly recommends that students enroll in English and math	□ ACCT 2023 Principles of Accounting II OR	Honors and Global Studies courses will meet degree
preparatory courses within the first two semesters.	□ ACCT 2043 Computerized Accounting	requirements where applicable.
MATH 0012 Foundations of Quantitative Literacy	□ OSIM 1013 Administrative Office Management	
MATH 0013 Pre-algebra	Computer Support Courses Choose 12 Hours:	*Social/Behavioral Science Elective Options:
MATH 0013 Developmental Math	Close 12 Hours:	ANTH 1023, CMJS 2013, CMJS 2363, ECON 2013,
MATH 0053 Beginning Algebra	CISM 2123 Web Page Design I	
MATH 0063 Algebra I		ECON 2023, GEOG 1003, GEOG 1123, HIST 1003, HIST
MATH 0073 Algebra II	□ CISM 2503 Advanced Spreadsheet (EXCEL) □ OSIM 2503 Computer Support & Project Management	1013, HIST 1033, HIST 1043, HIST 2003, HIST 2013,
MATH 0103 Intermediate Algebra	□ OSIM 2503 Computer Support & Project Management □ PROG 1003 Introduction to Programming Logic	PHIL 2003, PHIL 2033, PLSC 2003, PLSC 2203, PLSC
MATH 0214 Foundations of Algebra-STEM	□ PROG 1003 Introduction to Programming Logic	2803, PSYC 2003, PSYC 2103, SOCI 2013, SOCI 2033,
□ENGA 0033 College Reading**	□ NTWK 2014 Networking and Information Systems	SOCI 2043.
ENGA 0063 Intermediate Writing	□ NTWK 2014 Networking and information systems	
□ENGA 0091 Academic Literacy Lab**		15 hours must be earned at NWACC to
ENGC 0033 College Reading & Vocabulary**	12 hours below:	
ENGC 0043 Communication & Culture	CISM 1403 Database Management (ACCESS)	graduate.
ENGC 0131 Comp Review	CISM 1503 Spreadsheet Analysis (EXCEL)	
	□ OSIM 2103 Business Presentations (PowerPoint)	
These hours will not fulfill any degree requirements at NWACC. These courses	□ OSIM 2703 Business Application Integration	
will not transfer to a four year institution		