

**NORTHEASTERN OKLAHOMA A&M COLLEGE**

**COMPUTER INFORMATION SYSTEMS**

PROGRAM REQUIREMENTS	64	SUGGESTED COURSE SEQUENCE	PROGRAM OVERVIEW	
<b>General Education Requirements</b>	<b>21</b>	<b>FIRST SEMESTER</b>	The Computer Science curriculum is designed to provide an option for students to transfer to a university or seek immediate employment upon graduation. Emphasis will be placed on computer software design which requires knowledge of programming, operating systems, and database management systems. For more information contact the Computer Science program at (918) 540-6284 or email: <a href="mailto:business@neo.edu">business@neo.edu</a> .	
ENGL 1113 English Composition I.....	3	<b>Credit Hours</b> <b>17</b>		
* ENGL 1213 English Composition II.....	3	FYE 1011 Freshman Year Experience.....	<b>CAREER OPPORTUNITIES</b> Network Administrator Hardware Support Specialists Software Support Specialists Database Administrator Systems Programmer	
HIST 1483 or 1493 American History.....	3	^+ CS 2103 Computer Concepts.....		
POLS 1113 American Government.....	3	ENGL 1113 English Composition I.....		
MATH 1513 College Algebra.....	3	HIST 1483 or 1493 American History.....		
ECON 2013 Introduction to Macroeconomics.....	3	MATH 1513 College Algebra.....		
+Computer Proficiency.....	3	^ CS 2134 BASIC Programming Language.....		
<b>Technical/Occupational Specialty</b>	<b>37</b>	<b>SECOND SEMESTER</b>		<b>15</b>
FYE 1011 Freshman Year Experience.....	1	* ENGL 1213 English Composition II.....		3
ACCT 2103 Financial Accounting.....	3	POLS 1113 American Government.....		3
* ACCT 2203 Managerial Accounting.....	3	CS 1373 Network Operating Systems.....		3
CS 1373 Network Operating Systems.....	3	^ CS 2143 Programming in "C".....	3	
^ CS 2023 Advanced BASIC Programming.....	3	^ CS 2023 Advanced BASIC Programming.....	3	
*^ CS 2043 Database Programming II.....	3	<b>THIRD SEMESTER</b>	<b>15</b>	
*^ CS 2054 Web Database Systems.....	4	ACCT 2103 Financial Accounting.....	3	
^ CS 2134 BASIC Programming Language.....	4	ECON 2013 Introduction to Macroeconomics.....	3	
^ CS 2143 Programming in "C".....	3	CS 2173 JAVA Programming.....	3	
*^ CS 2173 JAVA Programming.....	3	^ CS 2303 Database Programming I.....	3	
^ CS 2303 Database Programming I.....	3	Technical/Occupational Support Elective.....	3	
^ CS 2424 Systems Design & Development.....	4	<b>FOURTH SEMESTER</b>	<b>17</b>	
<b>Technical/Occupational Support</b>	<b>6</b>	* ACCT 2203 Managerial Accounting.....	3	
+ CS 1103 Computers in Society.....		*^ CS 2043 Database Programming II.....	3	
^ CS 1743 Multimedia Computing.....		*^ CS 2054 Web Database Systems.....	4	
*^ CS 2423 Telecommunications & Networking.....		^ CS 2424 Systems Design & Development.....	4	
*^ CS 2433 Advanced Networking.....		Technical/Occupational Support Elective.....	3	
		<b>KEY</b> * Prerequisite # Prerequisite or co-requisite ^ Not offered every semester + Must include computer proficiency as General Ed. or Technical Support elective		
The above list is a <b>suggested course sequence only</b> . Students may, with guidance from academic advisor make changes to course sequence. Students should be aware that <b>changes to the course sequence may require more than four semesters to complete their degree.</b>				
<b>General College Preparatory Requirements</b>				

NEO evaluates students for placement into their transitional or college-level courses, whichever will lead to the greatest possibility of student success. Academic placement is determined either by ACT test scores or by CPT test scores. These tests are administered in the Testing Centers at NEO College. Based upon these scores, some or all of the following courses may need to be taken prior to enrollment in the college level course.

MATH 0013 Basic Math MATH 0113 Introductory Algebra MATH 0123 Intermediate Algebra MATH0125 Intermediate Algebra with Review ENGL 0123 Basic Composition CIED 0133 Improved Reading

SCIENCE: A student may be required to complete MATH 0123 or higher and/or CIED 0133 before enrolling in a college-level science course.