NORTHEASTERN OKLAHOMA A&M COLLEGE

COMPUTER & NETWORK SECURITY OPTION COMPUTER INFORMATION SYSTEMS

PROGRAM REQUIREMENTS	62	SUGGESTED COURSE SEQUENCE	PROGRAM OVERVIEW

General Education Requirements — 21

ENGL 1113 English Composition I....................................	3
ENGL 1213 English Composition II..................................	3
HIST 1483 or 1493 American History.............................	3
POLS 1113 American Government..................................	3
MATH 1513 College Algebra..	3
ECON 2013, ECON 2023, STAT 2023, or MATH 2103.....	3
Computer Proficiency..	3

Technical/Occupational Specialty — 29

BADM 1011 Freshman Year Experience..........................	1
ACCT 2103 Financial Accounting...................................	3
CS 1373 Network Operating Systems............................	3
CS 2023 Advanced Programming	3
CS 2134 Introduction to Programming..........................	3
CS 2303 Database Programming I.................................	3
CS 2423 Telecommunications & Networking.................	4
CS 2433 Advanced Networking......................................	3
CS 1243 Introduction to Network Security....................	3
CS 2413 Information Security Management..................	3

Technical/Occupational Support — 12

CS 2043 Database Programming II.................................	
CS 2054 Web Database Systems....................................	
CS 2143 Programming in "C"...	
CS 2173 JAVA Programming...	
OIS 2033 Excel Spreadsheets..	
CS 1103 Computers in Society..	
CS 1743 Multimedia Computing......................................	
CS 2424 Systems Design and Development...................	
ACCT 2203 Managerial Accounting................................	
BADM 2133 Business Ethics...	

Credit Hours

FIRST SEMESTER — 17

BADM 1011 Freshman Year Experience.........................	1
^+ CS 2103 Computer Concepts.....................................	3
ENGL 1113 English Composition I.................................	3
HIST 1483 or 1493 American History............................	3
MATH 1513 College Algebra..	3
^ CS 2134 Introduction to Programming.......................	4

SECOND SEMESTER — 15

* ENGL 1213 English Composition II..............................	3
POLS 1113 American Government.................................	3
CS 1373 Network Operating Systems............................	3
^ CS 2143 Programming in "C".......................................	3
^ CS 2023 Advanced Programming................................	3

THIRD SEMESTER — 15

ACCT 2103 Financial Accounting...................................	3
ECON 2013 Introduction to Macroeconomics...............	3
CS 2173 JAVA Programming...	3
^ CS 2303 Database Programming I...............................	3
Technical/Occupational Support Elective......................	3

FOURTH SEMESTER — 17

* ACCT 2203 Managerial Accounting............................	3
*^ CS 2043 Database Programming II...........................	3
*^ CS 2054 Web Database Systems...............................	4
^ CS 2424 Systems Design & Development....................	4
Technical/Occupational Support Elective......................	3

The above list is a **suggested course sequence only**. Students may, with guidance from academic advisor make changes to course sequence. Students should be aware that **changes to the course sequence may require more than four semesters to complete their degree.**

PROGRAM OVERVIEW

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: business@neo.edu.

CAREER OPPORTUNITIES

Helpdesk Analyst
IT Support Specialists
Network Administrator
System Security Specialists
System Administrator

KEY

* Prerequisite

Prerequisite or co-requisite

^ Not offered every semester

+ Must include computer proficiency as
   General Ed. or Technical Support elective

General College Preparatory Requirements

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 0133 Basic Math   MATH 0133 Introductory Algebra   MATH 0123 Intermediate Algebra   ENGL 0123 Basic Composition   CIED 0133 Improved Reading

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