

Computer Science, Pre-Professional

(Note: Program requirements for this degree are offered on NOC Enid and NOC Tonkawa campuses only.)

PROGRAM REQUIREMENTS	Credit Hours
GENERAL EDUCATION .....	37
ENGLISH COMPOSITION	
ENGL 1113 English Composition I.....	3
ENGL 1213 English Composition II .....	3
HISTORY AND GOVERNMENT	
HIST 1483 American History to 1877 (or)	
HIST 1493 Am. History Since 1877 .....	3
POLI 1113 American Government .....	3
HUMANITIES	
PHIL 2213 Ethics (or) .....	3
PHIL 2223 Business Ethics and	
One course to be chosen from those	
listed with International Dimension.....	3
MATHEMATICS	
MATH 1513 College Algebra (or higher)	
MATH 1613 Plane Trigonometry .....	3
SCIENCE	
Two Sciences with Lab .....	8
COMPUTER SCIENCE	
BSAD 1113 Digital/Financial Literacy (or)	
CS 1113 Computer Concepts .....	3
(or other approved computer course)	
ORIENTATION	
ORNT 1101 Freshman Orientation .....	1
GENERAL EDUCATION ELECTIVES.....	4
(1 hour can be combined with requirement	
for recommended electives below, or	
selected from courses in	
Language Arts, Natural Science, Foreign	
Languages, Fine Arts, Humanities,	
Mathematics, Behavioral or Social	
Sciences.)	
PROGRAM REQUIREMENTS.....	18-20
ACCT 2103 Accounting I-Financial .....	3
**CS 1013 Visual Basic Programming.....	3
ECON 2123 Microeconomic Principles (or)	
ECON 2113 Macroeconomic Principles ...	3
**MATH 2103 Elementary Calculus (or)	
**MATH 2145 Calculus I (or)	
MATH 2023 Elementary Statistics .....	3-5
**CS 2313 Programming with C++.....	3
**CS 2303 Java Programming .....	3
Programming Language requirement substitutions	
may be made with prior approval.	
RECOMMENDED PROGRAM ELECTIVES.5-6	
ACCT 2203 Accounting II-Managerial .....	3
CS 2123 Bus. Tech. & Applications .....	3
ECON 2123 Microeconomic Principles (or)	
ECON 2113 Macroeconomic Principles ...	3
**MATH 2023 Elementary Statistics .....	3
**MATH 2155 Calculus II .....	5
TOTAL CREDIT HOURS.....	60-62

SUGGESTED COURSE SEQUENCE	Credit Hours
FIRST SEMESTER .....	16
ENGL 1113 English Composition I .....	3
Computer Science Elective.....	3
ORNT 1101 Freshman Orientation .....	1
MATH 1513 College Algebra (or)	
MATH 1613 Plane Trigonometry .....	3
CS 1013 Visual Basic .....	3
POLI 1113 American Government .....	3
SECOND SEMESTER .....	13-15
ENGL 1213 English Composition II .....	3
MATH 2103 Elementary Calculus (or)	
MATH 2145 Calculus I (or)	
MATH 2023 Elementary Statistics .....	3-5
CS 2303 Java Programming .....	3
Science Elective .....	4
THIRD SEMESTER .....	16
Science Elective .....	4
CS 2313 Programming with C++ .....	3
ACCT 2103 Accounting I-Financial .....	3
ECON 2123 Microeconomic Principles .....	3
Gen Ed/Program Elective .....	3
FOURTH SEMESTER.....	15
HIST 1483 American History to 1877 (or)	
HIST 1493 American History Since 1877 ....	3
PHIL 2213 Ethics (or)	
PHIL 2223 Business Ethics (humn elec) ....	3
International Humanities Elective.....	3
Gen Ed/Program Electives .....	6

This is a suggested sequence timeline only. A student may require more than four semesters to complete this Associate in Science degree.

\*\*These program courses are typically offered only once a year. See course descriptions for fall or spring designations and plan accordingly.

The Associate in Science degree in Computer Science is designed to provide the basic requirements for the first two years of the bachelor's degree in the area of computer science or information systems.

The Business Division and this degree program are accredited by the Accreditation Council of Business Schools and Programs (ACBSP). Outstanding Business students are invited to join Kappa Beta Delta, the business honor society recognized by ACBSP.

- Career Opportunities
- Programmer
  - Systems Analyst

NOC evaluates students for placement into either foundational 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 Accuplacer test scores. These tests are administered in the Testing Center at NOC. Based upon the scores, students may be required to take one or more courses for remediation in English, Math, or Reading, either prior to or concurrent with credit courses. See the NOC testing web page at <http://www.noc.edu/act> for placement guidelines.