

COMPUTER SCIENCE, PRE-PROFESSIONAL

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

At the beginning of each course listing, the four letter abbreviation indicates the department and the four digits indicate the course code used for enrollment. The total course hour value follows each.)

<p>Program Requirements</p> <p>General Education Courses - 37 Total Credit Hours</p> <p>English Composition Courses</p> <p>ENGL 1113 English Composition I 3 hours</p> <p>ENGL 1213 English Composition II 3 hours</p> <p>History & Government Courses</p> <p>HIST 1483 Amer. History to 1877 3 hours</p> <p>(or) HIST 1493 Amer. History Since 1877</p> <p>POLI 1113 American Government 3 hours</p> <p>Humanities Courses</p> <p>PHIL 2213 Ethics 3 hours</p> <p>(or) PHIL 2223 Business Ethics</p> <p>One course to be chosen from those listed with the International Dimension. 3 hours</p> <p>Mathematics Courses</p> <p>MATH 1513 Algebra for STEM 3 hours</p> <p>(or) MATH 1613 Plane Trigonometry</p> <p>(Note: Plane Trigonometry is strongly recommended because it must be taken as a pre-requisite before taking Calculus 1.)</p> <p>Science Courses</p> <p>Two Sciences with Lab 8 hours</p> <p>Computer Science Courses</p> <p>CS 1113 Computer Concepts 3 hours</p> <p>(or) BSAD 1113 Digital/Financial Literacy</p> <p>(or other approved computer course)</p> <p>Orientation Courses</p> <p>ORNT 1101 Freshman Orientation 1 hour</p> <p>*General Education Elective Courses 4 hours</p> <p>Program Requirement Courses - 19 Total Hours</p> <p>**MATH 2144 Calculus I 4 hours</p> <p>**MATH 2154 Calculus II 4 hours</p> <p>**MATH 2164 Calculus III 4 hours</p> <p>PRDV 2321 Professional Development 1 hour</p> <p>(6) hours of programming language chosen from the following or other pre-approved substitutions: 6 hours</p> <p>CS 1013 Visual Basic, CS 2203 Python, CS 2303 Java, CS 2313 Programming with C++</p> <p>Recommended Program Elective Courses - 5 Total Hours (Add to Gen Ed hours above to take two courses)</p> <p>ACCT 2103 Accounting I-Financial 3 hours</p> <p>(or) ACCT 2203 Accounting II-Managerial</p> <p>CS 2123 Business Tech & Applications 3 hours</p> <p>MATH 2023 Elementary Statistics 3 hours</p> <p>Total Credit Hours 61 hours</p>	<p>Suggested Course Sequence:</p> <p>First Semester 16 Total Credit Hours</p> <p>ENGL 1113 English Composition I 3 hours</p> <p>MATH 1613 Plane Trigonometry 3 hours</p> <p>(fast-track if needed for placement)</p> <p>ORNT 1101 Freshman Orientation 1 hour</p> <p>POLI 1113 American Government 3 hours</p> <p>CS 1113 Computer Concepts 3 hours</p> <p>General Education/Program Elective 3 hours</p> <p>(may be used for MATH 1513 if needed for placement)</p> <p>Second Semester 14 Total Credit Hours</p> <p>ENGL 1213 English Composition II 3 hours</p> <p>MATH 2144 Calculus I 4 hours</p> <p>Computer Programming Language 3 hours</p> <p>Science Elective 4 hours</p> <p>Third Semester 17 Total Credit Hours</p> <p>Science Elective 4 hours</p> <p>MATH 2154 Calculus II 4 hours</p> <p>ACCT 2103 Accounting I-Financial 3 hours</p> <p>(or other Gen Ed/Program elective)</p> <p>Computer Programming Language 3 hours</p> <p>PHIL 2213 Ethics 3 hours</p> <p>(or) PHIL 2223 Business Ethics</p> <p>Fourth Semester 14 Total Credit Hours</p> <p>HIST 1483 Amer. History to 1877 3 hours</p> <p>(or) HIST 1493 Amer. History Since 1877</p> <p>International Humanities Elective 3 hours</p> <p>MATH 2164 Calculus III 4 hours</p> <p>*Program/Gen Ed Electives 3 hours</p> <p>PRDV 2321 Professional Development 1 hour</p> <p><i>This is a suggested sequence timeline only. A student may require more than four semesters to complete an Associate in Science degree.</i></p> <p>*Taking math class from recommended program electives can reduce hours here to graduate with 61 credits, or gen ed can be selected from courses in: Language Arts, Natural Sciences, Foreign Languages, Fine Arts, Humanities, Mathematics, Behavioral Science, or Social Sciences.</p> <p>**These program courses are typically offered only once a year. See course descriptions for fall or spring designations and plan accordingly.</p>	<p>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 suggested curriculum is outlined to the left. Alternate courses and electives should be selected carefully only after the student and the major faculty academic advisor have consulted the catalog of the selected transfer college.</p> <p>The Business Division and this degree program are accredited by the Accreditation Council for Business Schools and Programs (ACBSP).</p> <p>Outstanding Business students are invited to join Kappa Beta Delta, the business honor society recognized by ACBSP.</p> <p>Career Opportunities</p> <p>Programmer</p> <p>Systems Analyst</p> <p>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 A.C.T. 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 by clicking on the following link: http://www.noc.edu/act for placement guidelines.</p>
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