Computer Science is the study of information processing, the generation, storage, and transmission of data and information. Students learn to work with large and small computers and with various programming languages. Prospective students may call 602/965-7788 (toll free numbers for applicants: 1-800-252-ASU1 out of state and 1-800-325-9371 in state) or write to the Undergraduate Admissions Office for information including application materials. For more information, call or write:
(602) 965-3199
Academic Advisor
Department of Computer Science and Engineering
College of Engineering and Applied Sciences
Arizona State University
Tempe, Arizona 85287-5406

SCHOOL OF ENGINEERING ADMISSION CRITERIA
1. A minimum of 2.50 cumulative GPA is required from community college transfer students.
2. International students must also submit a TOEFL score of 550 points in addition to meeting the minimum GPA requirements.
3. Transfer students are encouraged to have completed science and math courses applicable to the engineering degree.
4. A preprofessional category of admission is available for applicants deficient in School of Engineering admission requirements.
5. Students admitted to the preprofessional program are restricted to lower-division courses. After completing a minimum of 30 semester hours of required or approved elective courses with a cumulative GPA equivalent to that required of transfer students, one may apply for admission to the professional program. The cumulative GPA is calculated using all credits from ASU and from all other colleges and universities attended.

ASU
Transfer value of a course, including General Studies value, is governed by the Course Equivalency Guide (CEG) in force at the time the course is taken. Summer session is included with the previous academic year. Community college courses which are equivalent in content to upper division courses at ASU will be transferable as equivalent but with lower division credit. The course need not be repeated but will not count toward the required number of upper division credit hours.

DC

FIRST YEAR COMPOSITION (3-6)
- ENG 101 & 102 First-Year Comp
- or ENG 105 Adv First-Year Comp
- or ENG 107 & 108 Eng Foreign Students

GENERAL STUDIES REQUIREMENTS
Students completing the Transfer General Education Core Curriculum (TGEC) will still be required to fulfill lower division program requirements and prerequisites within their college and major/minor area of study. In all cases, students have the responsibility for selecting general education coursework that is relevant to the requirements of their intended major and degree.

Students in Computer Science must complete 18 hours of Humanities [HU] and Social/Behavioral Sciences [SB] courses. One course must be taken at ASU, as it must be upper division. In your selection of HU and SB credits, two courses must be from the same department (or have the same prefix). Select credits from CEG General Studies Insert as follows: 3 L1 credits, 6 or 9 HU credits, 6 or 9 SB credits, 3 C credits, 3 G credits, and 3 H credits. It is beneficial for students to select HU or SB courses that concurrently satisfy C, G or H requirements. Additional and/or mandated General Studies requirements, if any, are listed in the Major Requirements section below with designation in brackets, e.g. [N3].
**ASU 1998-99 Transfer Guide for Diné College**  
**Bachelor of Science (page 2 of 2)**  
**Computer Science**

### MAJOR REQUIREMENTS

<table>
<thead>
<tr>
<th>ASU</th>
<th>DC</th>
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<tbody>
<tr>
<td>MAT 243 Discrete Math Struct</td>
<td>MTH 210 Discrete Math</td>
</tr>
<tr>
<td>MAT 270 Cal/Analytic Geo I [N1]</td>
<td>MTH 191 Calculus I</td>
</tr>
<tr>
<td>MAT 271 Cal/Analytic Geo II [N1]</td>
<td>MTH 192 Calculus II</td>
</tr>
<tr>
<td>MAT 272 Cal/Analytic Geo III [N1]</td>
<td>MTH 220 Calculus III</td>
</tr>
<tr>
<td>PHY 121 Univ Physics I:Mech [S1] &amp;</td>
<td>PHY 121 Engineering Physics I</td>
</tr>
<tr>
<td>PHY 122 Univ Physics Lab I [S1] &amp;</td>
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<tr>
<td>PHY 131 Univ Physics II:Elec and Magnetism [S2] &amp;</td>
<td>PHY 131 Engineering Physics II</td>
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<tr>
<td>PHY 132 Univ Physics Lab II [S2]</td>
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</tbody>
</table>

### COMPUTER SCIENCE CORE

<table>
<thead>
<tr>
<th>ASU</th>
<th>DC</th>
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<tbody>
<tr>
<td>CSE 200 Principles of Computers [N3]</td>
<td>CSC 200 Programming Lang II</td>
</tr>
<tr>
<td>CSE 210 Data Struct &amp; Algor [N3]</td>
<td>No DC equivalent</td>
</tr>
</tbody>
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Approved by Marilyn L. Hart  
Coordinator, Academic Administration

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1. Although a course may satisfy a core area requirement and an awareness area requirement concurrently, a course may **not** be used to satisfy requirements in two core areas simultaneously. A course may satisfy two awareness areas concurrently.

2. When selecting HU or SB core courses, students must keep in mind that A. two courses from the same department must be taken in either core area; B. courses from at least two departments must be taken. These two conditions may, but need not be satisfied in the same core area. At least one course within the 16 semester hours **must** be an upper-division course taken only at ASU.