## Computer Science
### Associate of Science
#### Oregon Transfer Degree

**Major Code:** 110701

### About the Program
The statewide Associate of Science Oregon Transfer degree in Computer Science is designed for students transferring to baccalaureate degree programs in computer science or software engineering. Those completing the ASOT–Computer Science degree are assured junior level standing for registration purposes and will have met the lower division general education requirements of any institution in the Oregon University System (OUS). Students should be aware that if they transfer before completing this degree, courses will be evaluated individually toward the general education requirements of the college of their choice. Students should use the ASOT-Computer Science universitespecific degree requirements guide for specific transfer requirements for individual schools.

The curriculum in RCC courses is derived from a set of identified learning outcomes that are relevant to the discipline. For a list of learning outcomes for this discipline or program, see www.roguecc.edu/Programs/LearningOutcomes.

### Entry Requirements
Students are required to take the college placement test to determine skill level and readiness indicated by test scores. As part of their training program, students must begin with the courses within their skill levels as determined by placement test scores. In addition, students may also be required to enroll in classes that would increase their employability and success.

### Advanced Standing
Coursework from accredited colleges and universities will be accepted in accordance with college policies and the Computer Science Department chair's approval. In order to ensure coursework is current, program courses over 10 years old must be reviewed and approved by the appropriate department chair before being accepted toward course requirements.

### Graduation Requirements
Students must complete a minimum of 90 term credits of lower division collegiate courses with a minimum grade of "C" or better.

### General Education Requirements

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>WR121, WR122 or WR227</td>
<td>English Composition I</td>
<td>4</td>
</tr>
<tr>
<td>WR227</td>
<td>English Composition II</td>
<td>4</td>
</tr>
<tr>
<td>WR111</td>
<td>Fundamentals of Public Speaking</td>
<td>3</td>
</tr>
<tr>
<td>SP115</td>
<td>Interpersonal Communication</td>
<td>4</td>
</tr>
<tr>
<td>SP218</td>
<td>Technical Writing</td>
<td>4</td>
</tr>
</tbody>
</table>

**Writing Skills (two courses required)** 8

Students who took writing classes of 3 credits each must have WR121, WR122 and either WR123 or WR227. Students taking classes of 4 credits each must take WR121 and either WR122 or WR227.

**Oral Communication (one course required)** 3-4

Students may choose from the following courses:

- SP100 Basic Communication
- SP111 Fundamentals of Public Speaking
- SP115 Interpersonal Communication
- SP218 Technical Writing

**Mathematics**

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>MTH251</td>
<td>Calculus I (Differential)</td>
<td>5</td>
</tr>
<tr>
<td>MTH252</td>
<td>Calculus II (Integral)</td>
<td>5</td>
</tr>
</tbody>
</table>

**Health/Wellness/Fitness (one course required)** 3

- HE290 Personal Health
- HE292 First Aid/CPR
- HE293 Wilderness First Aid/CPR
- HPE299 Health and Fitness for Life

**Total General Education Credits** 24-25

### Distribution Requirements

#### Humanities 3

Choose three courses from at least two disciplines-prefixes. Courses must be at least 3 credits each and exclude first-year foreign language courses; second-year foreign language is acceptable (see catalog for approved list of humanities electives).

#### Social Science 12-16

Complete four courses from at least two disciplines-prefixes. Courses must be at least 3 credits each (see catalog for approved list of social science electives).

#### Science 12-15

Complete three biological and/or physical science laboratory courses (see current catalog for approved list of science electives).

### Computer Science-specific Requirements

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CS100</td>
<td>Introduction to Computer Science</td>
<td>4</td>
</tr>
<tr>
<td>CS161</td>
<td>Computer Science I</td>
<td>4</td>
</tr>
<tr>
<td>CS162</td>
<td>Computer Science II</td>
<td>4</td>
</tr>
<tr>
<td>CS260</td>
<td>Data Structures I</td>
<td>4</td>
</tr>
</tbody>
</table>

**Total Computer Science-specific Credits** 16

### Electives

Complete a sufficient number of college-level (numbered 100 and above) courses to meet the total degree requirement of at least 90 credits. Students should use the ASOT-CS university-specific degree requirements guide to determine elective requirements for the transfer institution. A maximum of 12 career and technical credits may be used toward this degree. Note: WR115 Introduction to Expository Writing may be used as elective credit if taken summer term 2000 or after and completed with a letter grade of “C” or better.

**Total Elective Credits** 6-17

#### TOTAL PROGRAM CREDITS 90

1 SP100 may not be accepted if students do not complete this degree before transferring to an Oregon university.

2 Meets cultural literacy criteria (one course required). See this catalog for additional courses that meet the criteria.

3 Students who have graduated from high school or completed a high school equivalency program in 1997 or after must have the following requirement for admission to a four-year Oregon state college or university: 1) two years of the same high school-level language, or 2) two terms of college-level language with a grade of “C” or better (may be first-year language which can be used as elective credit). Note: If students plan to complete a Bachelor of Arts (BA) degree at a four-year school, they must have a proficiency in a foreign language regardless of when they graduated from high school or equivalency program.

4 Some OUS schools require physics as the laboratory science chosen. It is recommended that students contact the specific OUS school early in the first year of the program or use the ASOT-CS university-specific degree requirements guide to determine any additional science requirements and procedures for admission to a specific school or program.

For more information contact the Computer Science Department:

Grants Pass .......................................................... 541-956-7213
Medford ............................................................. 541-245-7527
Toll free in Oregon ............................................ 800-411-6508, Ext. 7213 or Ext. 7527
e-mail ............................................................ cdileva@roguecc.edu or bfrederickson@roguecc.edu
Web address .................................................. www.roguecc.edu/computerscience
TTY ................................................................. Oregon Telecom Relay Service, 711

This advising guide is for advising purposes only. Please see current college catalog for additional information on specific college policies and graduation requirements.

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