ASSOCIATE IN SCIENCE

097-COMPUTER SCIENCE (ACSC)

This degree is offered online at www.rsuonline.edu

The Associate in Science degree in Computer Science program has two principal goals. One goal of the program is to provide students with the necessary skills required to become competent in computer programming at the entry level, as well as to understand the significant issues of how technology is changing the workplace. The second goal is to provide students with the academic background to enable them to be successful while seeking a baccalaureate degree in Computer Science, Computer Information Systems, or Information Technology. Transferability of this degree should be confirmed with the receiving institution. The specialty courses in this degree will partially satisfy the specialty area of the Bachelor of Technology in Applied Technology program offered at Rogers State University.

REQUIRED HOURS ............................................. 67-68
UNIV 1152 The University Experience ...................... 2
Communications................................................. 9
ENGL 1113 Composition I
ENGL 1213 Composition II
SPCH 1113 Speech Communication

Social and Behavioral Sciences ................................ 9
History ............................................................... 3
Select from the following:
HIST 2483 American History to 1877
HIST 2493 American History since 1877
POLS 1113 American Federal Government ........ 3

Social Science .................................................. 3
Select from the following:
ECON 2113 Principles of Macroeconomics
ECON 2123 Principles of Microeconomics
PSY 1113 Introduction to Psychology
SOC 1113 Introduction to Sociology

Science and Mathematics ..................................... 11
Physical Science ............................................. 4
Select from the following:
CHEM 1104 Principles of Chemistry
CHEM 1315 General Chemistry I
GEOL 1014 Earth Science
GEOL 1114 Physical Geology
GEOL 1124 Physical Geography
GEOL 1224 Historical Geology
GEOL 2124 Astronomy
PHYS 1014 General Physical Science
PHYS 1114 General Physics I

Biological Science .............................................. 4
Select from the following:
BIOL 1114 General Biology
BIOL 1134 Introduction to Environmental Science
BIOL 1144 General Cellular Biology

Mathematics ..................................................... 3
Select from the following:
MATH 1413 Introduction to Statistics
MATH 1423 Functions and Modeling
MATH 1503 Mathematics for Critical Thinking
MATH 1513 College Algebra
MATH 1613 Trigonometry
MATH 1715 Pre-Calculus
MATH 2264 Analytical Geometry & Calculus I

Humanities ..................................................... 6
Select from the following:
ART (HUM) 1113 Art Appreciation
COMM (HUM) 2413 Theatre Appreciation
ENGL 2613 Introduction to Literature
HUM 2113 Humanities I
HUM 2223 Humanities II
HUM 2893 Cinema
MUSC (HUM) 2573 Music Appreciation
PHIL 1113 Introduction to Philosophy

Global Studies .................................................. 3
Select from the following:
BIOL 3103 Plants and Civilization
BIOL 3203 Bioethics
ECON 3003 International Economic Issues and Policies
GEOG 2243 Human Geography
GERM 1113 Beginning German I
HIST 2013 World Civilization I
HIST 2023 World Civilization II
HUM 3633 Comparative Religion
LANG 1113 Foundations of World Languages
MGMT 3033 Conflict Resolution: I’m Always Right!
NAMS 1143 Native Americans of North America
NAMS 2503 Cherokee I
PHIL 1313 Values and Ethics
POLS 3053 International Relations
SOC 3213 Minority Groups
SPAN 1113 Beginning Spanish I

Elective ........................................................... 3
Select three additional hours from the courses listed above and not
Program Requirements ........................................... 21

<table>
<thead>
<tr>
<th>Course</th>
<th>Name</th>
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<tbody>
<tr>
<td>CS 1113</td>
<td>Microcomputer Applications</td>
</tr>
<tr>
<td>CS 1213</td>
<td>Introduction to Computing</td>
</tr>
<tr>
<td>CS 2223</td>
<td>Programming I</td>
</tr>
<tr>
<td>CS 2323</td>
<td>Programming II</td>
</tr>
<tr>
<td>IT 2143</td>
<td>Introduction to Networking</td>
</tr>
<tr>
<td>IT 2153</td>
<td>Network Operating Systems I</td>
</tr>
<tr>
<td>IT/CS 2000 or above</td>
<td>equal to 3 credit hours</td>
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Support and Related ........................................... 3-4

<table>
<thead>
<tr>
<th>Course</th>
<th>Name</th>
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<tbody>
<tr>
<td>ACCT 2103</td>
<td>Accounting I-Financial</td>
</tr>
<tr>
<td>MATH 2264</td>
<td>Analytical Geometry and Calculus I</td>
</tr>
<tr>
<td>MGMT 3013</td>
<td>Principles of Management</td>
</tr>
</tbody>
</table>

Total Credit Hours ........................................... 67-68