B.S. In Computer Science

Specializations: One design course and any coherent set of 3-4 CS-related courses with a minimum of 15 credits that is approved by an academic advisor. Examples are posted on the Undergraduate Academics section of www.compsci.rice.edu/undergrad. COMP specializations designed by students must be approved by an academic advisor.

### Sample Degree Plan

*This is one example of many possible schedules. Consult a divisional or departmental advisor to customize your degree plan.*

| Specializations: | In addition to class hours, these courses have a regularly scheduled lab that must fit into your schedule. |

#### FALL

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<tbody>
<tr>
<td>MATH 101</td>
<td>Single Variable Calculus I</td>
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<tr>
<td>PHYS 101</td>
<td>Mechanics w/Lab</td>
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<td>or 111 or 125</td>
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<td>or 160</td>
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<td>ELEC 220</td>
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### SOPHOMORE

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<td>or 212 or 221 or 222</td>
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<td>COMP 215</td>
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<td>or 112 or 126</td>
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<tr>
<td>COMP 321</td>
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<td>COMP 322</td>
<td>Principles of Parallel Prog</td>
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<td>DIST</td>
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### JUNIOR

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<tr>
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<tr>
<td>MATH 355</td>
<td>Linear Algebra/Matrix Analysis</td>
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<td>or 354 or CAAM 335</td>
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<tr>
<td>COMP 382</td>
<td>Reasoning About Algorithms</td>
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<tr>
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<tbody>
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<tr>
<td>STAT 310</td>
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<td>COMP 410</td>
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#### SENIOR

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### Major Requirements

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<tbody>
<tr>
<td>MATH 101</td>
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<td>Single Variable Calculus I</td>
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<td>MATH 102</td>
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<td>Single Variable Calculus II</td>
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<td>MATH 355/354/CAAM 335</td>
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<td>Linear Algebra/Honors Linear Algebra/Matrix Analysis</td>
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<td>STAT 310/312/331</td>
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<td>Probability &amp; Statistics/Probability &amp; Statistics for CEVE/Applied Probability</td>
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<td>PHYS 101/111/125</td>
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<td>Mechanics w/Lab/General Physics w/Lab</td>
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<td>PHYS 102/112/126</td>
<td>4*</td>
<td>Electricity &amp; Magnetism w/Lab/General Physics II w/Lab</td>
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<tr>
<td>ELEC 220</td>
<td>4*</td>
<td>Fundamentals of Computer Engineering</td>
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<tr>
<td>COMP 140/160</td>
<td>4*</td>
<td>Intro To Computational Thinking/Intro to Computer Game Creation</td>
</tr>
<tr>
<td>COMP 182</td>
<td>4*</td>
<td>Algorithmic Thinking</td>
</tr>
<tr>
<td>COMP 215</td>
<td>4*</td>
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<td>Reasoning About Algorithms</td>
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<tr>
<td>COMP 411/412</td>
<td>4</td>
<td>Advanced Programming Languages/Compiler Construction</td>
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<td>COMP 421</td>
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<td>Operating Systems and Concurrent Programming</td>
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