Computer Science (PhD)

Doctor of Philosophy in Computer Science (PhD)

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
<th>Counts towards</th>
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<tr>
<td></td>
<td>Core Courses</td>
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<td>Select four courses - two from each category - within “Core Courses” listed below</td>
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<td>Required Courses</td>
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<td></td>
<td>CSC 600 Computer Science Graduate Orientation</td>
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<td>CSC 890 Doctoral Preliminary Exam</td>
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<td>CSC 700-level Courses (two or more)</td>
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<td>Elective / Research Courses</td>
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<td>“Elective / Research Courses” are approved in conjunction with the academic committee</td>
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Total Hours: 72

Core Courses

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<th>Hours</th>
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<td>CSC 503 Computational Applied Logic</td>
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<td>CSC 505 Design and Analysis Of Algorithms</td>
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<td>CSC 512 Compiler Construction</td>
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<td>CSC 514 Foundations of Cryptography</td>
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<td>CSC 565 Graph Theory</td>
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<td>CSC 579 Introduction to Computer Performance Modeling</td>
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<td>CSC 580 Numerical Analysis I</td>
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<td>CSC 707 Automata, Languages and Computability Theory</td>
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<td>CSC 501 Operating Systems Principles</td>
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Faculty

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Peng Ning
Christopher Parnin
Injong Rhee
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Xiaogang (Cliff) Wang
Tao Xie