COGNITIVE SCIENCE MINOR

Cognitive Science is the interdisciplinary study of mind and intelligence. It uses the methods of computer science, linguistics, communication sciences, philosophy, and psychology to examine how the mind carries out intelligent behaviors such as:

- Understanding
- Speaking
- Planning
- Creating
- Reasoning
- Problem solving

The Cognitive Science minor addresses such questions as:

- What is consciousness?
- How did intelligence originate?
- How are languages stored in the brain?
- Can a computer that carries out a conversation with a human think and feel?


Program Requirements

Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSYC 220</td>
<td>Introduction to Statistical Methods in Psychology</td>
<td>4</td>
</tr>
<tr>
<td>PSYC 301</td>
<td>Experimental Psychology</td>
<td>4</td>
</tr>
<tr>
<td>Select one of the following:</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>CMPT 288</td>
<td>Introduction to Cognitive Science</td>
<td></td>
</tr>
<tr>
<td>LNGN 288</td>
<td>Introduction to Cognitive Science</td>
<td></td>
</tr>
<tr>
<td>PHIL 288</td>
<td>Introduction to Cognitive Science</td>
<td></td>
</tr>
<tr>
<td>PSYC 288</td>
<td>Introduction to Cognitive Science</td>
<td></td>
</tr>
</tbody>
</table>

Electives

Select 9 credits from the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>CMPT 280</td>
<td>Assembly Language and Computer Architecture</td>
</tr>
<tr>
<td>CMPT 384</td>
<td>Systems Software</td>
</tr>
<tr>
<td>CSIT 111</td>
<td>Fundamentals of Programming I</td>
</tr>
<tr>
<td>CSIT 112</td>
<td>Fundamentals of Programming II</td>
</tr>
<tr>
<td>CSIT 212</td>
<td>Data Structures and Algorithms</td>
</tr>
<tr>
<td>CSIT 270</td>
<td>Discrete Mathematics</td>
</tr>
<tr>
<td>CSIT 357</td>
<td>Artificial Intelligence</td>
</tr>
<tr>
<td>CSND 410</td>
<td>Neuropsychological Bases of Communication</td>
</tr>
<tr>
<td>LNGN 300</td>
<td>Syntax</td>
</tr>
<tr>
<td>LNGN 301</td>
<td>Semantics</td>
</tr>
<tr>
<td>LNGN 302</td>
<td>Pragmatics</td>
</tr>
<tr>
<td>LNGN 420</td>
<td>Language and the Mind</td>
</tr>
<tr>
<td>LNGN 445</td>
<td>Natural Language Processing</td>
</tr>
<tr>
<td>PHIL 266</td>
<td>Philosophy of Science</td>
</tr>
<tr>
<td>PHIL 270</td>
<td>Philosophy of Mind</td>
</tr>
<tr>
<td>PSYC 305</td>
<td>Physiological Psychology</td>
</tr>
<tr>
<td>PSYC 308</td>
<td>Perception</td>
</tr>
<tr>
<td>PSYC 313</td>
<td>Cognition</td>
</tr>
</tbody>
</table>

Total Credits: 20

1 CSND 500 with permission. Psychology majors cannot select an elective within their major.