Cognitive science is an interdisciplinary study of the mind that incorporates psychological, philosophical, linguistic, neurobiological, and artificial intelligence approaches to how knowledge is acquired, processed, and represented in the mind. The minor in cognitive science consists of at least five courses totaling 15 credit hours.

- You cannot use courses from the department of your major to satisfy the minor, except when your major is psychology. Psychology majors may include psychology courses on the cognitive science minor, but those courses cannot also count toward the major.
- Courses selected to fulfill the area/module and elective course work requirements must come from at least two different departments.
- You may request that the undergraduate advisor in cognitive science approve a non-standard module.

1. **Required Foundation**
   

2. **Area Requirement**
   
   Select at least two courses from one of the following six areas.

   - **Neurobiological Foundations**
     Evolution, Ecology & Organismal Biology: 4550
     Psychology: 3313, 3513, 4501, 5425, 5614, 5618, 5870
     Speech & Hearing Science: 5760
   
   - **Cognition**
     Educational Psychology: 2309
     Industrial & Systems Engineering: 3700
     Psychology: 3310, 3312, 3550, 4508
   
   - **Computation**
     Computer Science & Engineering: 3321, 3521, 5321, 5522, 5526, 5914
     Linguistics: 3802, 5801
     Psychology: 5608
   
   - **Language**
     Linguistics: 2001, 3701, 4100, 4200, 4300, 4400, 5101, 5201, 5301, 5401, 5701
     Psychology: 3371, 4554
     Speech & Hearing Science: 3330, 4420
   
   - **Perception**
     Electrical and Computer Engineering: 5460
     Psychology: 3302, 3310, 5309, 5606
     Speech & Hearing Science: 4440

   - **Philosophical Foundations**
     Philosophy: 2500, 3600, 3750, 3800, 5500, 5600, 5750, 5840

3. **Electives**
   
   Select two courses from the options in #2 that are in one or more areas that are NOT the area you chose for satisfying the requirement in #2.

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### Cognitive Science minor program guidelines

<table>
<thead>
<tr>
<th>Required for graduation</th>
<th>No</th>
</tr>
</thead>
<tbody>
<tr>
<td>Credit hours required</td>
<td>A minimum of 15 credit hrs. 1000-level courses shall not be counted in the minor. At least 6 credit hrs must be upper-level courses as defined by the College of Arts and Sciences.</td>
</tr>
<tr>
<td>Transfer and EM credit hours allowed</td>
<td>A student is permitted to count up to 6 total hours of transfer credit and/or credit by examination.</td>
</tr>
<tr>
<td>Overlap with the GE</td>
<td>A student is permitted to overlap up to 6 credit hours between the GE and the minor.</td>
</tr>
<tr>
<td>Overlap with the major and additional minor(s)</td>
<td>The minor must be in a different subject than the major. The minor must contain a minimum of 12 hours distinct from the major and/or additional minor(s).</td>
</tr>
<tr>
<td>Grades required</td>
<td>Minimum C- for a course to be listed on the minor. Minimum 2.00 cumulative point-hour ratio required for the minor. Course work graded Pass/Non-Pass cannot count on the minor. No more than 3 credit hours of coursework graded Satisfactory/Unsatisfactory may count toward the minor.</td>
</tr>
<tr>
<td>X193 credits</td>
<td>No more than 3 credit hours.</td>
</tr>
<tr>
<td>Minor approval</td>
<td>The minor program must be approved by the academic unit offering the minor.</td>
</tr>
<tr>
<td>Filing the minor program form</td>
<td>The minor program form must be filed at least by the time the graduation application is submitted to a college/school counselor.</td>
</tr>
<tr>
<td>Changing the minor</td>
<td>Once the minor program is filed in the college office, any changes must be approved by the academic unit offering the minor.</td>
</tr>
</tbody>
</table>