General Information

- Courses may not be double-counted. Each course may only be used to satisfy a single degree requirement, even if it may qualify for more than one requirement.
- All courses must be completed with a grade of B- or better, with the exception of the following courses for which a P (passing) grade will be accepted (where P = C- or better):

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>AS.200.657</td>
<td>Advanced Statistical Methods</td>
<td>2</td>
</tr>
<tr>
<td>AS.050.670</td>
<td>Mathematical Models of Language</td>
<td>2</td>
</tr>
<tr>
<td>AS.050.671</td>
<td>Bayesian Inference</td>
<td>2</td>
</tr>
<tr>
<td>AS.050.672</td>
<td>Foundations of Neural Network Theory</td>
<td>2</td>
</tr>
</tbody>
</table>

Lab or Research Seminar

Two courses, 800-level

Additional Courses

Three courses, 600-800-level

Research

Student must work on full-time research overseen by their faculty mentor. Student registers in this course once each term: fall, intersession, spring and summer. The mentor determines the distribution of 18 credit-hours across each term.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>AS.050.839</td>
<td>Research in Cognitive Science (4x)</td>
</tr>
</tbody>
</table>

Research Ethics

AS.360.625 Responsible Conduct of Research (in-person)

Capstone: Portfolio and Oral Exam

The portfolio should include accomplishments from the program (e.g. course assignments, seminar papers, etc.) overseen by the faculty mentor, a reading list, and a set of discussion questions. Student will present what has been learned while in the program at an oral presentation supervised by two faculty members.

1 Up to four courses may be substituted with written permission of both the mentor and Director of Graduate Studies.

2 May not include independent research or readings courses (e.g. AS.050.800 and AS.050.839).
AS.360.625  Responsible Conduct of Research (in-person)

**Capstone: Research Paper and Oral Defense**

Student must produce and defend a mentor-approved research paper before two faculty members.

1 May not include independent research or readings courses (e.g. AS.050.800 or AS.050.839).

**Expected Learning Outcomes**

The MA program aims to develop and extend the knowledge and research skills of individuals interested in pursuing a PhD in a field of cognitive science or gaining research-centered employment.

Students in the MA program will:

- Acquire a strong background in the empirical findings and theoretical frameworks of one or more areas of cognitive science
- Acquire and apply analytic and technical skills needed to critically evaluate research findings, and to communicate research findings orally and in writing
- Develop the ability to conduct original problem-centered and theory-driven research in the chosen areas of study
- Gain experience with and fully participate in a collaborative lab-based community of researchers from a wide range of backgrounds and fields.