

Cognitive Sciences Major Checklist

There are three primary items to track in the major:
 (1) Area of concentration, (2) Core courses. (3) Additional courses

Area of Specialization:

Computation or Linguistics or Neuroscience or Philosophy or Psychology

Core Courses: Choose one from each box

<p style="text-align: center;">Methods of Cognitive Science core course</p> <p>CSCI 340 Methods of Cognitive Science</p>	<p style="text-align: center;">Advanced Psychology</p> <p>PSYC 308 Memory PSYC 309 Psychology of Language PSYC 351 Perception PSYC 461 Reasoning, Decision Making, and Problem Solving</p>
<p style="text-align: center;">Psychology</p> <p>PSYC 203 Introduction to Cognitive Psychology</p>	<p style="text-align: center;">Philosophy</p> <p>PHIL 130 Sciences of the Mind PHIL 305 Mathematical Logic PHIL 312 Philosophy of Mind</p>
<p style="text-align: center;">Neuroscience</p> <p>NEUR 380 Fundamental Neuroscience Systems (also PSYC/BIOC 380) NEUR 385 Fundamentals of Cellular and Molecular Neuroscience (also BIOC 385) PSYC 362 Cognitive Neuroscience PSYC 375 Neuropsychology of Language and Memory PSYC 432 Brain and Behavior</p>	<p style="text-align: center;">Linguistics</p> <p>LING 200 Introduction to the Scientific Study of Language LING 306 Language and the Mind LING 315 Semantics</p>
<p style="text-align: center;">Computing</p> <p>CAAM 210 Introduction to Engineering Computation COMP 130 Elements of Algorithms and Computation COMP 140 Computational Thinking COMP 160 Introduction to Game Programming in Python PSYC 342 Computer Applications in Psychology</p>	<p style="text-align: center;">Advanced Computing</p> <p>COMP 180 Principles of Computing COMP 182 Algorithmic Thinking PSYC 430 Computational Modeling of Cognitive Processes PHIL 357 Incompleteness, Undecidability, and Computability CAAM 415 / ELEC 488 / NEUR 415 Theoretical Neuroscience DSCI 303 Machine Learning for Data Science ELEC 478 Intro to Machine Learning LING 430 Computational Linguistics NEUR 382 / ELEC 382 Intro to Computational Neuroscience NEUR 383 / BIOE 380 / ELEC 380 Intro to Neuroengineering</p>
<p style="text-align: center;">Statistics</p> <p>STAT 280 Elementary Applied Statistics STAT 305 Introduction to Statistics for Biosciences STAT 310/ECON 307 Probability and Statistics PSYC 339 Statistical Methods in Psychology STAT 413 Intro to Statistical Machine Learning</p>	

Additional Courses

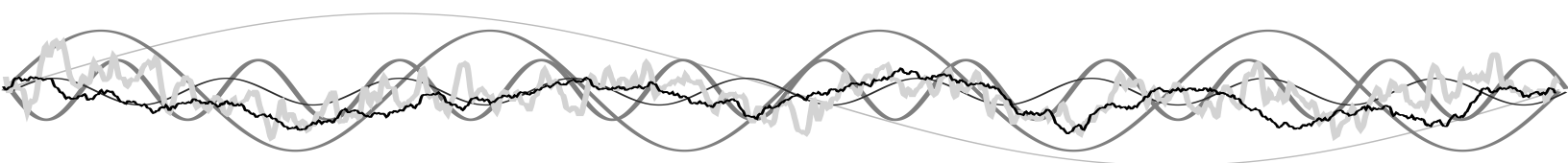
At least three and no more than four can be in one of the specializations listed above. Note that you may not use the same course to fulfill a core requirement and an additional course requirement—no double counting.

At least two and up to three courses should be chosen from a different specialization area

Finally, up to 6 credits of supervised or independent research may be applied toward the major in the form of CSCI 390, 481, and 482 courses.

The list of additional courses can be found at <https://cogsci.rice.edu/additional-courses> or <https://ga.rice.edu>

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____



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