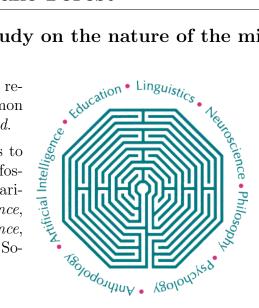# Cognitive Science minor at Wake Forest

1) Cognitive Science = 7 areas of study on the nature of the mind

"The Cognitive Science Society brings together researchers from around the world who hold a common goal: *understanding the nature of the human mind.*

The mission of the [Cognitive Science] Society is to promote Cognitive Science as a discipline, and to foster scientific interchange among researchers in various areas of study, including *Artificial Intelligence, Linguistics, Anthropology, Psychology, Neuroscience, Philosophy,* and *Education.*" (Cognitive Science Society: link)

2) Why a CogSci minor at Wake Forest?

+ Benefit for philosophy majors who minor in Cog Sci: greater (and more varied) professional prospects after graduation, including industry and graduate education

+ Benefit for us (philosophy dept.): greater demand for philosophy courses from non-philosophy-majors

+ Benefit for Wake Forest: meet what many peer institutions already offer (point #3 below)

− Cost: minimal, because of relevant courses already in Wake Forest's course catalog (see point #4: next page) and existing models at Wake Forest (e.g., interdisciplinary Linguistics minor and Bioethics, Humanities & Medicine minor)

3) Wake Forest Peer Institutions (link) with CogSci programs
- Brown University: undergraduate concentration
- Dartmouth College: major
- Duke University: Center for Cognitive Neuroscience, philosophy research area
- Emory University: Cognitive and Computational Sciences graduate concentration
- George Washington University: Cognitive Neuroscience BS, PhD
- Tufts University: Cognitive and Brain Science BA/BS and CogSci PhD program
- UNC Chapel Hill: minor
- University of Virginia: major
- Vanderbilt University: Cognitive Studies major

4) Sample of relevant courses at Wake Forest from the 7 areas:

- EDU 311. Learning and Cognitive Science.
- EDU 313. Human Growth and Development.

- LIN 330. Introduction to Psycholinguistics and Language Acquisition
- LIN 355. Language and Culture
- LIN 380. Language Use and Technology

- NEU 200. Introduction to Neuroscience
- NEU 30X. Topics in Neuroscience
- BIO 111. Biological Principles
- BIO 308. Biomechanics
- BIO 323. Animal Behavior
- BIO 352. Developmental Neuroscience
- BIO 363. Sensory Biology

- PHI 114. Philosophy of Human Nature
- PHI 220. Logic
- PHI 221. Symbolic Logic
- PHI 369. Philosophy and Psychology
- PHI 373. Philosophy of Science
- PHI 374. Philosophy of Mind

- PSY 151. Introductory Psychology
- PSY 248. Cognitive Psychology
- PSY 313. History and Systems of Psychology
- PSY 326. Learning Theory and Research
- PSY 329. Perception

- ANT 113. Introduction to Biological Anthropology
- ANT 114. Introduction to Cultural Anthropology
- ANT 339. Culture and Nature: Introduction to Environmental Anthropology
- ANT 353. Language in Education
- ANT 361. Evolution of Human Behavior
- ANT 367. Human Biological Diversity

- CSC 111. Introduction to Computer Science
- CSC 112. Fundamentals of Computer Science
- CSC 301. Algorithm Design and Analysis
- CSC 371. Artificial Intelligence
- CSC 374. Machine Learning
- CSC 375. Neural Networks and Deep Learning
- CSC 387. Computational Systems Biology