

Minors

Cognitive Sciences - Minor

College of Arts and Humanities

Department of Philosophy,

Psychology Building, Room: 220

<http://philosophy.cah.ucf.edu/>

Email: philosophy2@ucf.edu

Dr. Jennifer Mundale, Jennifer.Mundale@ucf.edu

Phone: 407-823-2273

The cognitive sciences minor provides an interdisciplinary approach to the study of mind, brain, and cognition, broadly construed. It complements the background of students intending to pursue graduate degrees in cognitive sciences, computer science, philosophy, psychology, biology, neuroscience, and medicine, as well as students with more immediate career goals in fields such as neural network modeling, neuroimaging, information technology, clinical or counseling psychology, biotechnology, and others.

Minor Admission Requirements

- None

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- None

Prerequisite Courses

- Note: It is the student's responsibility to complete satisfactorily all prerequisite courses prior to registering for each course. Students must check the most current catalog before registering, and abide by the prerequisites in effect at that time.

Required Courses

(12 hrs)

- Foundation Courses
- Select from at least 4 subject areas.

Neuroscience

3 hrs

PSB 3002	Physiological Psychology or	3 hrs
PSB 4240	Neuropsychology or	3 hrs
ZOO 3744	Neurobiology	3 hrs

Philosophy

3 hrs

PHI 3320	Philosophy of Mind or	3 hrs
PHI 3323	Minds and Machines: Philosophy of Cognitive Science or	3 hrs
PHI 3451	Philosophy of Psychology or	3 hrs
PHI 4341	Ways of Knowing or	3 hrs
PHI 4400	Philosophy of Science or	3 hrs
PHI 4935	Topics in Philosophy of Mind or	3 hrs
PHP 4782	Phenomenology	3 hrs

Psychology

3 hrs

EXP 3204	Sensation and Perception or	4 hrs
EXP 3604	Cognitive Psychology or	4 hrs
EXP 4507	Advanced Human Memory and Cognition	3 hrs

Computer Science and Information

3 hrs

Technology

CAP 4453	Robot Vision or	3 hrs
CAP 4630	Artificial Intelligence or	3 hrs
EEL 3552C	Signal Analysis and Analog Communication	4 hrs

Language and Linguistics

3 hrs

ANT 3610	Language and Culture or	3 hrs
LIN 3010	Principles of Linguistics or	3 hrs
LIN 3716	Language Development or	3 hrs
PHI 4221	Philosophy of Language or	3 hrs
EXP 3640	Psychology of Language	3 hrs

Restricted Electives

(6 hrs)

- Select two additional courses from either the above Foundation Courses or from the following list.

Select 2:

6 hrs

ANT 3541	Biobehavioral Anthropology or	3 hrs
ANT 3550C	Primateology or	3 hrs
ANT 3610	Language and Culture or	3 hrs
ANT 4586C	Human Origins or	3 hrs
CAP 4630	Artificial Intelligence or	3 hrs
CAP 5015	Multimedia Compression on the Internet or	3 hrs
CAP 5415	Computer Vision or	3 hrs

CAP 5512	Evolutionary Computation or	3 hrs
COP 4520	Concepts of Parallel and Distributed Processing or	3 hrs
EXP 3204	Sensation and Perception or	4 hrs
MAP 4103	Mathematical Modeling I or	3 hrs
PHI 2101	Formal Logic I or	3 hrs
PHI 2108	Critical Thinking or	3 hrs
PHI 3626	Advanced Ethics in Science and Technology or	3 hrs
PHI 4321	Philosophies of Embodiment: Mind/Body/ Self or	3 hrs
PHI 4500	Metaphysics or	3 hrs
PSY 4025	The Psychology of Art or	3 hrs
PSY 3213C	Research Methods in Psychology	5 hrs

Foreign Language Requirements

- None

Total Semester Hours Required

- 18

Other Requirements

- A minimum grade of "C" (2.0) is required in all courses used to satisfy the minor.
- 15 hours must be taken at the upper division.
- No more than 9 credit hours may be used both toward credit for a major and the cognitive sciences minor.
- At least 12 hours used in the minor must be earned at UCF.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study requires prior approval from the advisors to be used toward the minor.