Minor in Cognitive Science
Fall 2024 Requirements

What is Cognitive Science?

Cognitive Science is the interdisciplinary study of the mind as an information processor. It is a relatively new discipline that arose in the mid-20th century from a convergence of conceptual revolutions primarily in psychology, computer science, and linguistics. Today it also draws from fields such as philosophy, neuroscience, and anthropology. A central goal of cognitive science is to determine structures and processes that underwrite cognitive tasks such as perception, memory, attention, language and motor control. This, in turn, plays an important role in applied research areas such as artificial intelligence, educational psychology, the science of language, and communication disorders.

Courses for the minor in Cognitive Science focus on three areas:

1. Broad foundational issues in linguistics, psychology, and computing
2. More specialized issues in mental representation, computation, theoretical linguistics, and epistemology
3. Problems in cognition, data processing, language and formal representation that are related to students' particular interests

Cognitive Science Minor Requirements (18 credits)

Please note:

- No course can be used to satisfy more than one requirement within the minor.
- Students must earn a C- or higher in all courses within the minor.
- To receive honors credits for a 600-level course, please e-mail cgsc-advise@udel.edu; failure to do so may result in problems with your degree checkout.
- Students minoring in Cognitive Science and minoring or majoring in Linguistics may not count the same courses towards both programs, with the exception of LING101.

Abbreviation Key

A, B, C, D = Satisfies Breadth Requirements [A (Creative Arts and Humanities)](#), [B (History and Cultural Change)](#), [C (Social and Behavioral Sciences)](#), [D (Mathematics, Natural Sciences and Technology)](#) for the University and the College of Arts and Sciences. You can use the [University' Course Search](#) to identify University Breadth Courses being offered in upcoming semesters.

a, b, c, d = Satisfies Breadth Requirements [A (Creative Arts and Humanities)](#), [B (History and Cultural Change)](#),[C (Social and Behavioral Sciences)](#),D for either the University or the College of Arts and Sciences (indicated by uni or cas). Please note the requirements for the College of Arts and Sciences may differ from the University Breadth requirements. You can view approved courses for University of Breadth Requirements [here](#). Please note: up to three credits from each of the University Breadth Requirement categories may be used to simultaneously satisfy the College of Arts and Sciences Breadth Requirements.

DLE = Satisfies the Discovery Learning Experience requirement.

sub = Substitute course. E-mail cgsc-advise@udel.edu after enrolling in this course so we can get it to count on your degree audit.

prereq = Course must be completed prior to enrollment in designated course

coreq = Course may be completed at the same time as designated course

Foundational Coursework (all of the following):
Total = 9 credits

Course	Title
CGSC170[C]	Introduction to Cognitive Science
LING101[C]	Introduction to Linguistics
PSYC100[C]	General Psychology

Last updated August 23, 2024. Course information based on 2024-2025 UD Catalog

Computational (one of the following)
Total = 3 credits

Course	Title	Notes
CISC101^D	Principles of Computing	
CISC103^D	Intro. to Computer Science with Web Applications	
CISC106^D_{sub}	General Computer Science for Engineers	*Coreqs*: MATH241 or higher
CISC108^D	Intro. to Computer Science I	*Coreqs*: MATH115, 117, or higher math course or math placement
LING202^{d(cas)}	Science of Language	*Prereqs*: LING101
PHIL205^D	Logic	

Non-Cognitive Science Elective (one of the following)
Total = 3 credits

Course	Title	Notes
CISC181^D	Intro. to Computer Science II	*Prereqs*: C- or higher in CISC106 or 108 *Coreqs*: MATH221, 241 or a higher level math course or math placement
EDUC462	Language Acquisition	*X-listings*: LING462, PSYC462
LING444	First Language Development	*Prereqs*: LING101
PSYC310	Sensation and Perception	*Prereqs*: C- or higher in PSYC207 and eligible statistics course
PSYC314^D	Brain and Behavior	*Prereqs*: C- or higher in PSYC100 or NSCI100 *X-listings:* CGSC314
PSYC340	Cognition	*Prereqs*: C- or higher in PSYC207 and eligible statistics course *X-listings*: CGSC340
PSYC344	Psychology of Language	*Prereqs*: C- or higher in PSYC207 and eligible statistics course
PSYC350	Developmental Psychology	*Prereqs*: C- or higher in PSYC207 and eligible statistics course

Cognitive Science Elective (any CGSC course or course cross-listed with CGSC, except independent studies)
Total = 3 credits

Course	Title	Notes
LING101[C]	Language, Mind, and Society	*X-listings*: CGSC102
LING353[DLE]	Introduction to Speech and Hearing Science	*Prereqs:* LING101 *Coreqs*: LING202
LING418	Meaning and Language Use	*Prereqs*: LING101 *X-listings*: CGSC418, PHIL418
LING471[C,DLE]	Discovering Human Language	*Prereqs*: LING101 *X-listings*: CGSC471
PHIL320[A]	Theory of Knowledge	*X-listings*: CGSC320
PHIL330[C]	Philosophy of Mind	*X-listings*: CGSC330
PSYC314[D]	Brain and Behavior	*Prereqs*: C- or higher in PSYC100 or NSCI100 *X-listings*: CGSC314
PSYC340	Cognition	*Prereqs*: C- or higher in PSYC207 and eligible statistics course *X-listings*: CGSC340

Advice

- Eligible statistics courses are MATH202, MATH205, STAT200, SOCI301, PSYC209