


Student Name: _____ **Email:** _____ **Date:** _____

College distribution requirements

College Seminar	
Composition & Literature (2 semesters)	
Mathematics (at least 3 credits)	
Natural Science (at least 8 credits)	
Natural Science Lab	
Social Science (at least 8 credits)	
Arts and Humanities (at least 8 credits)	
Junior Writing Intensive course (may be a major course, one of the above, or any elective)	

Required Collaterals

CSE 001 or CSE 012	
CSE 002	
Math 021 or 051	
One course in research methods and tools from the following: PSYC 110 Statistical Analysis of Behavioral Data; PSYC 210 Experimental Research Methods and Laboratory (pre-requisite PSYC 110); ECO 045 Statistical Methods; SOAN 111 Research Methods and Data Analysis; CSE 160 Introduction to Data Science; BIOS 130 Biostatistics	

Required Introductory Course

COGS 007 [typically* offered yearly in the spring]	
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Disciplinary Core Courses

COGS/PSYC 117 [typically* offered yearly in the fall; pre-req PSYC 001 or COGS 007]	
COGS/PHIL 250 [typically* offered every other year; pre-req any HU-designated course in PHIL at 100-level or higher]	
COGS/CSE 327 [typically* offered yearly in the spring; pre-req CSE 001 & 002 or CSE 017]	
COGS/PSYC 176 [typically* offered yearly in the spring; pre-req PSYC 001 or COGS 007]	

Major Electives: A minimum of five electives, with at least one course from each of the three tracks. [check pre-reqs for specific courses]:

Artificial Intelligence and Formal Models	
Cognition, Culture, and Meaning	
Cognitive Neuroscience	

Senior Project, proposal (fall) and execution (spring): [start thinking about this junior year!]

COGS 301 (project) or COGS 391 (Honors project)	
COGS 302 (project) or COGS 392 (Honors project)	

Optional but encouraged: COGS 161 Supervised Research and 361 Independent Research

*not guaranteed!

NOTES

Major

- Students are encouraged to seek out opportunities to serve as research assistants on faculty projects before the senior year (COGS 161 and 361). It is a great way to gain research experience and get to know faculty prior to choosing a senior thesis topic.
- Additional coursework in mathematics is strongly recommended (particularly CSE 261/MATH 261). Also recommended are the non-major courses ANTH 011, ANTH 012, COGS 140, and PSYC 001 which provide valuable background. These courses may fulfill Social Science distribution requirements.
- Students intending to take behavioral neuroscience BIOS courses in the Cognitive Neuroscience track need to take the prerequisite sequence CHM 030 or CHM 040, and BIOS 041, with their associated laboratory courses, by the end of the sophomore year.
- Majors seeking honors in Cognitive Science must have a 3.30 GPA in the major and a 3.30 GPA overall, and must complete COGS 391 & COGS 392. Theses submitted for honors will be evaluated by a committee of at least three cognitive science faculty.
- Transfer credits and Study Abroad course work may be applied toward the major with appropriate approvals. However, students must take a minimum of COGS 007 and six other major courses including the two-semester senior project at Lehigh to earn a Cognitive Science major from Lehigh.

General

- Students must earn a minimum of 120 credits to earn a bachelor's degree from Lehigh.
- Courses from the major can be used to satisfy CAS distribution requirements in only one area (but may fully satisfy that area, i.e. all 8 SS credits). Because of this rule, a student using COGS/PSYC 176 for NS distribution must use non-major courses for SS.
- No more than one course can be double-counted toward a major and a minor, AND no more than one course can overlap between two minors. Three courses may overlap for double majors.
- For a double degree (B.A. plus B.S.), the student must satisfy major requirements for both degrees and earn a minimum of 30 additional credits beyond those required for the first degree. All of the 30 additional credits must be taken at Lehigh or in Lehigh residency programs. There is no limit on the number of overlapping courses between two degrees, but there must be at least 30 credits of non-overlapping coursework in each degree program.
- For a double degree across colleges (e.g., CAS and RCEAS), the student must also satisfy college distribution requirements for both degrees, except for the CAS "college seminar" (first-year seminar). For RCEAS students, ENGR 05 is used to fulfill this CAS requirement.