**Cognitive Science Curriculum Coding Instructions**

Institution Information

**Institution**: Name of the university

**Degree**: Name of the degree students receive (Should say “Cognitive Science”)

**BA/BS**: Is the degree a BA or BS? (\*note – if the institution offers both, code each as a separate entry)

**Specializations?**: 1/0 Does the major offer different specializations? (note – if the requirements differ based on specializations, we’ll code each specialization as a separate (sub-)major.

**Quarter/Semester**: Does the university have a quarter or a semester system?

**Curriculum Website**: Copy the address of the website where the info is coming from

**Offered by which department**?: Through which department/program is the major offered? If it’s a program, write the full name of the program (but make it clear it’s a program – e.g. “Cognitive Science Program” at UC Berkeley versus “Cognitive Science” at UCSD).

Coding Course Requirements

**Prerequisite Courses**: Number of specific courses within that discipline that *all* students must take in order to declare the major.

**Prerequisite Courses (Pool)**: Number of courses within that discipline that students must take, but they get to choose which specific course.

\* Note – many schools don’t distinguish between prerequisite and required courses. If that’s the case, put all courses under “Required” or “Required (Pool)” as appropriate.

**Required Courses**: Number of specific courses within that discipline that *all* students must take to complete the major.

**Required Courses (Pool)**: Number of courses within that discipline that students can must take, but they get to choose which specific course.

**Elective courses**: 1/0 Can a course from this department be counted toward the major? (\*note – if elective requirements vary by specialization, code each specialization as a separate entry).

**Total Number**: How many total prereq/prereq (pool)/req/req(pool)/elective classes do students have to take?

Miscellaneous coding instructions:

* Where students can choose a different number of courses from the same discipline (e.g., take these 2 hard math classes or these 3 easy ones) the lower number is used (so, for this example, that would be 2 math classes).
* The **course title/department** in that order is used to determine discipline. The title must contain the exact key word for the discipline it will be coded under. Examples (keywords bold):
  + Psych 132 “Cognitive **Neuroscience**” = Neuroscience
  + **Psych** 24 “Thinking” = Psychology
  + Cogs 107B “Systems **Neuroscience**” = Neuroscience
  + **Cogs** 100 “Distributed Cognition” = Cognitive Science
  + Computer Science 122 “Introduction to **Artificial Intelligence**” = Artificial Intelligence
  + **Computer Science** 123 “Computation” = Computer Science
  + Computer Science 124 “Principles of **Web Design**” = HCI/Design/Web Design
* If students can choose courses from a list of *unrelated disciplines* (e.g., take this chemistry class or this physics class or this linguistics class), these courses are not counted as core.

The field/department from which each course is sourced

* In order to determine whether courses are offered within cognitive science or within the departments of the subfields, include in a comment on the cell with the numbers generated above whether the course is being offered by a discipline other than the one it is filed under.
  + E.g. Psych 132 “Cognitive Neuroscience” is filed under Neuroscience as “1” (comment – “psych”)
  + “Cogs260: Programming for the Cognitive and Information Sciences” is filed under computer science/programming as “1” (comment – “cogs”)

Number of Core courses

* The minimum number of courses that each student of the cognitive science major in each university were required to take was recorded as the number of “core” courses for that university.
* For example, if there are 6 courses in the core for a university, that means that we can be sure that there are 6 courses which every major had to take.
* A set of courses of which students choose 1 is counted as 1 core course if and only if the courses fall under the same coding designation as per the above criteria.
  + For example, if 1 psychology course is required to be chosen from 3 possible psychology courses, this is listed as 1 core psychology course for that university.

The disciplinary coding and determination of core courses was used in two different ways:

* In the first case, the coding was used to determine what the average departmental involvement is in the core courses required.
  + For example, where a core requirement statistics class is offered by the cognitive science department, it is counted under cognitive science, and where it is offered by the psychology department, it is counted under psychology.
  + Also included in the cognitive science count are cases where an cognitive science course was developed across departments, for example in the University of Georgia, the “Introduction to Cognitive Science” core requirement course is cross listed between the Psychology, Artificial Intelligence and Philosophy departments.
  + Cogs 107B “Systems Neuroscience”, counted as neuroscience in the second case, is counted within the cognitive science core here.
  + Where 1 core course corresponds to a choice of courses all coded within the same discipline, and at least one is offered by the Cognitive Science department, this course is counted within the cognitive science core. For example, if linguistics is represented in the core, and the core linguistics requirement includes courses offered by both the Linguistics and the Cognitive Science department, this would be counted in the cognitive science core.
* In the second case, the coding was used to determine the disciplinary make up of the courses which each university considers to be core requirements for a cognitive science major.
  + E.g. if a particular university was found to have 2 cogs courses, 5 psych courses, 1 neuroscience and 2 computer science course, we would say that the university considers the minimum requirements for a cognitive science major to include exposure to cognitive science, psychology, neuroscience and computer science, but not the other sub-fields such as linguistics, anthropology, philosophy and artificial intelligence. We would also say that in this instance psychology represented 50% of the core.

**Cognitive Science Curriculum Schools**

List of schools included in coding

|  |  |  |
| --- | --- | --- |
| Institution | Website | Date Accessed |
|  |  |  |
| Carleton College | https://apps.carleton.edu/curricular/cgsc/students/SpecialMajorTemplate/ | 5/14/2018 |
| Carnegie Mellon | https://www.cmu.edu/dietrich/psychology/undergraduate/prospective-students/academics/cognitive-science/index.html | 5/14/2018 |
| Case Western | http://cognitivescience.case.edu/undergraduate/bachelor-of-arts/ | 5/14/2018 |
| CSU Fresno | http://www.fresnostate.edu/catalog/subjects/linguistics/cog-sci.html#requirements | 5/14/2018 |
| Dartmouth | <https://cognitive-science.dartmouth.edu/undergraduate/about-major> | 5/14/2018 |
| George Fox University | https://www.georgefox.edu/catalog/undergrad/departments/psychology/cogsci\_major.html | 5/14/2018 |
| Hampshire College |  | 5/14/2018 |
| Indiana University Bloomington | <http://cogs.indiana.edu/undergraduate/degrees/bachelor-of-arts.php> | 5/14/2018 |
| Johns Hopkins | http://e-catalog.jhu.edu/departments-program-requirements-and-courses/arts-sciences/cognitive-science/#undergraduatetext | 5/14/2018 |
| Lehigh University | http://catalog.lehigh.edu/coursesprogramsandcurricula/artsandsciences/cognitivescience/#undergraduatetext | 5/14/2018 |
| McGill | https://www.mcgill.ca/cogsci/interfaculty | 5/14/2018 |
| Occidental | <https://www.oxy.edu/cognitive-science/courses-requirements> | 5/14/2018 |
| Pomona | http://catalog.pomona.edu/preview\_entity.php?catoid=24&ent\_oid=1405&returnto=4880 | 5/14/2018 |
| Queen's University | http://www.cs.queensu.ca/students/undergraduate/cogscience/ | 5/14/2018 |
| Rensselaer Polytechnic | http://catalog.rpi.edu/preview\_program.php?catoid=16&poid=3543&returnto=388 | 5/28/2018 |
| Simon Fraser | <https://www.sfu.ca/students/calendar/2017/fall/programs/cognitive-science/major/bachelor-of-arts.html> | 5/14/2018 |
| SUNY at Oswego | <http://catalog.oswego.edu/preview_program.php?catoid=34&poid=3914> | 5/14/2018 |
| UC Berkeley | <http://cogsci.berkeley.edu/requirements> | 5/14/2018 |
| UC Davis | http://cogsci.ucdavis.edu/uploads/5/7/3/9/57394369/cog\_sci\_ba\_new.pdf | 5/28/2018 |
| UC Merced | http://catalog.ucmerced.edu/preview\_program.php?catoid=8&poid=879&returnto=775 | 5/14/2018 |
| UC Santa Cruz | https://psychology.ucsc.edu/undergraduate/cog-science-major/requirements.html | 5/28/2018 |
| UCLA | https://www.psych.ucla.edu/undergraduate/undergraduate-student-services/majors-minors/ | 5/14/2018 |
| UCSD | http://www.cogsci.ucsd.edu/undergraduates/major/ba-cogsci.html#Major-Requirements | 5/28/2018 |
| University of Delaware | https://www.lingcogsci.udel.edu/undergrad/cognitive-science-major | 5/28/2018 |
| University of Evansville | https://www.evansville.edu/majors/cognitivescience/programs.cfm | 5/28/2018 |
| University of Georgia | http://www.ai.uga.edu/sites/default/files/documents/  Cognitive%20Science%20Major%20Requirements%20Handout.pdf | 5/28/2018 |
| University of Michigan | https://lsa.umich.edu/weinberginstitute/undergraduates/cognitive-science-major-overview/curriculum.html | 5/28/2018 |
| University of Pennsylvania | https://web.sas.upenn.edu/cogsci/program/major/ | 5/28/2018 |
| University of Richmond | https://psychology.richmond.edu/major-minor/cognitive.html | 5/28/2018 |
| University of Texas at Dallas | https://catalog.utdallas.edu/2017/undergraduate/programs/bbs/cognitive-science#degree-requirements | 5/28/2018 |
| University of Toronto | http://calendar.artsci.utoronto.ca/crs\_uni.htm#ASMAJ1445 | 5/28/2018 |
| USC | http://catalogue.usc.edu/preview\_program.php?catoid=2&poid=1300 | 5/28/2018 |
| Vassar | http://catalog.vassar.edu/preview\_program.php?catoid=25&poid=9646&returnto=4842 | 5/28/2018 |
| Yale | http://catalog.yale.edu/ycps/subjects-of-instruction/cognitive-science/ | 5/28/2018 |