

### Bachelor of Science in Cognitive and Behavioral Neuroscience (CBN)

#### LOWER-DIVISION REQUIREMENTS (36 units)

Lower-division courses for the major should be completed by the end of the sophomore year. These requirements will guarantee an adequate background for the topics of the upper division CBN courses.

##### **3 Natural Science Courses**

- COGS 17

Plus choose two of the following:

- BILD: 1, 2, 3, 10, 20, 24, 26 (BILD 12 and 22 are NOT accepted)
- CHEM: 4\*, 6A, 6B, 6C, 11\*, 12, 13  
\*Only one of CHEM 4 or 11 can be taken for credit
- PHYS: 1A, 1B, 1C, 2A, 2B, 2C, 10, 11

##### **4 Formal Skills Courses**

- MATH: 10A or 20A\*
- MATH: 10B or 20B\*
- MATH: 10C or 20C\*
- PSYC: 70 or COGS 14A

\*Preferred calculus courses critical for the success of students who plan to pursue mathematically intensive areas of CBN.

##### **1 Computer Programming Course (choose one)**

- COGS: 18\*
- CSE: 7\*, 8A, 8B, 11, 12

By petition one of the following may be accepted for the major in 2015-2016: ECE 15 or MAE 8

\*Preferred computer programming courses critical for the success of students who plan to pursue research careers in Cognitive Science or Psychology

##### **1 Statistics Course (choose one)**

- PSYC: 60
- COGS: 14B

By petition MATH 11 will be accepted for the major

Note: Statistics must be taken for a letter grade. All lower-division courses must be passed with a minimum grade of C- or P.

#### UPPER-DIVISION REQUIREMENTS (56 units)

##### **4 CBN Core Courses**

- COGS 107A
- PSYC 102 or COGS 101A
- PSYC 106 or COGS 107B
- PSYC 108 or COGS 107C

##### **2 Research Experience Courses**

- PSYC: 114, 115A, 115B, 116, 117, 121, 140, 199
- COGS: 102B, 102C, 118B, 119, 120, 121, 153, 160 (must pre-approve), 189, 199

By petition one of the following will be accepted for the major: BIPN 105, CHEM 143A, CHEM 143B, or CHEM 143C

If the two research courses are 199s, at least one of them must culminate in a research paper approved by the faculty advisor and submitted to the corresponding department's Student Affairs Office prior to graduation. Please see the corresponding department for more information.

##### **6 Upper-Division Courses in CBN (choose six of the following)**

- PSYC: 116, 122, 123, 125, 132, 133, 144, 150, 159, 169, 170, 171, 179, 181, 189
- COGS: 115, 119, 154, 163, 164, 169, 171, 172, 174, 175, 176, 177, 178, 179, 180, 184
- HDP 110

##### **2 Additional Upper-Division Elective Courses (choose two of the following)**

- PSYC: 100, 101, 104, 105, 110-193
- COGS: 101B, 101C, 102A, 102B, 102C, 109-189

#### UPPER-DIVISION MAJOR REGULATIONS:

- All upper-division courses numbered 100-193 must be taken for a letter grade and a minimum grade of C- is required for the course to count toward the major.
- Courses taken Pass/No Pass cannot count toward the upper-division CBN major requirement.
- Excluded from credit towards the major are graduate seminars (2XX).
- A minimum of nine upper-division courses toward the CBN major must be taken at UC San Diego.
- A grade-point average of at least 2.0 in the upper-division major courses is required for graduation.

**SUGGESTED 4 YEAR PLAN**

**BS COGNITIVE AND BEHAVIORAL NEUROSCIENCE (CBN)**

<b>YEAR 1</b>	<b>FALL</b>	<b>WINTER</b>	<b>SPRING</b>
	<b>MATH 10A OR 20A</b>	<b>MATH 10B OR 20B</b>	<b>MATH 10C OR 20C</b>
	<b>COGS 17</b>	<b>1 NATURAL SCIENCE</b>	<b>1 NATURAL SCIENCE</b>
	1 university/college GE	1 university/college GE	1 university/college GE
	1 university/college GE	1 university/college GE	1 university/college GE
<b>YEAR 2</b>	<b>FALL</b>	<b>WINTER</b>	<b>SPRING</b>
	<b>PSYC 60 or COGS 14B</b>	<b>PSYC 70 or COGS 14A</b>	<b>1 COMPUTER PROGRAMMING</b>
	1 university/college GE	1 university/college GE	1 university/college GE
	1 university/college GE	1 university/college GE	1 university/college GE
	1 university/college GE	1 university/college GE	1 university/college GE
<b>YEAR 3</b>	<b>FALL</b>	<b>WINTER</b>	<b>SPRING</b>
	<b>COGS 107A</b>	<b>1 CBN CORE</b>	<b>1 CBN CORE</b>
	<b>1 CBN CORE</b>	<b>1 CBN ELECTIVE</b>	<b>1 CBN ELECTIVE</b>
	1 university/college GE	1 university/college GE	<b>1 CBN RESEARCH</b>
	1 university/college GE	1 university/college GE	1 university/college GE
<b>YEAR 4</b>	<b>FALL</b>	<b>WINTER</b>	<b>SPRING</b>
	<b>1 CBN ELECTIVE</b>	<b>1 CBN ELECTIVE</b>	<b>1 CBN ELECTIVE</b>
	<b>1 CBN ELECTIVE</b>	<b>1 ADDITIONAL ELECTIVE</b>	<b>1 ADDITIONAL ELECTIVE</b>
	<b>1 CBN RESEARCH</b>	1 university/college GE	1 university/college GE