UC DAVIS
COGNITIVE SCIENCE

Bachelor of Science -- Computational Emphasis

PREPARATORY Subject Matter: 60 units

____ Philosophy 10/CGS 1

____ Psychology 1/Psychology 1Y

____ Psychology 41

____ Statistics 13 or 100

____ Linguistics 1/Linguistics 1Y

___/___ Math 17A-B* or Math 21A-B*

*MAT 17C/21C required to take MAT 22A&AL

___/___ Math 22A & 22AL

____ Philosophy 12

____ Philosophy 13G

____ ECS 20⁺

____ ECS 50^

___/__/__ ECS 32A & 32B & 34
OR ECS 36A & 36B & 36C

DEPTH Subject Matter: 48 units

- **Group A—Core Classes** *Complete All* **[12 units]**

  ____ Any Upper Division Cognitive Science Course – *see back of sheet*

  ____ ECS 140A: Programming Languages

  ____ PHI 112: Intermediate Symbolic Logic

- **Group B: Computation** *Complete 3 Courses* **[12 units]**

  ____ LIN 177: Computational Linguistics

  ____ PHI 133: Logic, Probability, and Artificial Intelligence

  ____ ECS 120: Theory of Computation

  ____ ECS 170: Introduction to Artificial Intelligence

  ____ ECS 171: Machine Learning

> ⁺ECS 20 can be taken simultaneously with ECS 32B, 34, or 36B – but before 36C.
>
> ^ECS 50 can be taken with ECS 20 or after ECS 32B, 36B, or 36C.
>
> The ECS 36ABC series is intended for Computer science double majors
>
> ECS 10 WILL be accepted in lieu of ECS 32A
>
> **Former courses: 30, 40, 60 will also be accepted

- **Complete ONE course from Group C and ONE course from Group D [8 units]**

  Group C: Neuroscience

  ____ LIN 175: Biological Basis of Language

  ____ PSC 101*: Biological Psychology

  ____ CGS 107: Neuroeconomics & Decision Making

  ____ PSC 135: Cognitive Neuroscience

  ____ PSC 139: Advanced Cognitive Neuroscience

  Group D: Philosophy/Linguistics

  ____ PHI 103: Philosophy of Mind

  ____ PHI 104: The Evolution of Mind

  ____ PHI 129: Knowledge & the A Priori

  ____ PHI 136: Formal Epistemology

  ____ LIN 103A: Linguistics Analysis I

  ____ LIN 103B: Linguistics Analysis II

  ____ LIN 150: Languages of the World

  ____ LIN 182: Multilingualism

- **Complete 4 courses from Group E* [16 units]**

  Group E: Psychology

  ____ PSC 100/100Y: Intro to Cognitive Psych

  ____ PSC 101*: Biological Psychology

  ____ PSC 103A: Statistical Analysis I

  ____ PSC 103B: Statistical Analysis II

  ____ PSC 113: Developmental Psychobiology

  ____ PSC 121: Physiological Psychology

  ____ PSC 124: Comparative Neuroanatomy

  ____ PSC 130: Human Learning and Memory

  ____ PSC 131: Perception

  ____ PSC 137: Neurobiology of Learning and Memory

  ____ PSC 140: Developmental Psychology

  ____ PSC 141: Cognitive Development

*Psychology 101 can be used only for Group C *OR* Group E, not both.