Approved Electives

2025-2026



Cognitive Science (COGS)

- 102A Cognitive Perspectives
- 102B Cognitive Ethnography
- 102C Cognitive Design
- Modeling and Data Analysis
- 110 The Developing Mind
- Beauty and the Brain
- 112 Humor
- Neurological Dev. & Cognitive Change 115
- **Developmental Cognitive Neuroscience**
- 118A Supervised Machine Learning Algorithms
- 118B Intro to Machine Learning II
- 118C Neural Signal Processing
- 118D Math. Stat. for Behavioral Data Analysis
- Programming for Experimental Research
- 120 Interaction Design
- 121 HCI Portfolio Design Studio
- Start-up Studio 122
- 123 Social Computing
- **HCI Technical Systems Research**
- Advanced Interaction Design
- Thinking with Computers
- Data-Driven UX/Product Design 127
- Information Visualization
- Practical Data Science in R 137
- 138 Neural Data Science
- **Animal Communications**
- **Animal Cognition**
- 144 Social Cognition
- Large Language Models and Cognitive Science 150
- 151 Analogy and Conceptual Systems
- Cognitive Foundations of Mathematics 152
- 153 Language Comprehension
- 154 Comm. Disorders in Children & Adults
- Gesture and Cognition
- Language Development
- 157 Music and the Mind
- 158 Bilingual Minds and Brains
- Upper Division Seminar on Special Topics
- 163 Metabolic Disorders/Brain
- 164 Neurobiology of Motivation
- Neuroimaging of Cognition 165
- Genetic Information/Behavior
- 170 **Brain Waves Across Scales**
- 171 Mirror Neuron System
- Brain Disorders and Cognition
- Drugs: Brain, Mind and Culture
- Neuropsyc. Basis Alternate States/Conscious. 175
- 176 From Sleep to Attention
- Space and Time in the Brain 177
- 178 Genes, Brains & Behavior
- 179 Electrophysiology of Cognition
- 180 Decision Making in the Brain
- 181 Neural Networks and Deep Learning
- 182 Introduction to Reinforcement Learning
- Modeling the Evolution of Cognition

- Adv. Machine Learning Methods
- Genetic Algorithms
- 187A Usability & Info. Architecture
- 187B Practicum in Pro Web Design
- 188 Artificial Intelligence Algorithms
- Brain Computer Interfaces 189
- *190A Pre-Honors Project in Cognitive Science
- *190B Honors Studies in Cognitive Science
- *190C Honors Thesis in Cognitive Science
- *195P Pedagogy and Learning Apprentice
- *198 Small Group Research
- *199 Independent Research

Communication (COMM)

102C Practicum in New Media and Community Life

Computer Science (CSE)

- 100 Advanced Data Structures
- 101 Design & Analysis of Algorithms
- 130 Program Lang: Principles & Paradigms
- 150A Intro to Al: Prob. Reasoning & Dec.-Making
- 150B Intro to Al: Search and Reasoning
- 151A Introduction to Machine Learning
- 151B Deep Learning
- 160 Intro to Parallel Computation
- 170 Interactive Design

Design (DSGN)

- 100 Prototyping
- Special Topics in Design

Education Studies (EDS)

- 114 Cognitive Dev. and Interactive Computing Env.
- 115 Cognitive Development and Education
- 117 Language, Culture, and Education
- Intro to Acad. Tut. Of Sec. Sch. Stud.
- 124AR Teach. Computation in the Digital World
- 124BR Teach. Computation Thinking/Everyone

Linguistics (LIGN)

- Speech Sounds and Speech Disorders
- 120 Morphology
- Syntax I 121
- 130 Semantics
- **Evolution of Language** 155
- Computational Linguistics
- 169 Principles/Discourse and Dialog
- 170 **Psycholinguistics**
- 171 Child Language Acquisition
- Language Representation in the Brain 180
- Language Processing in the Brain

Philosophy (PHIL)

- Philosophy of Language
- 136 Philosophy of Mind
- 149 Philosophy of Psychology
- Philosophy of the Cognitive Sciences 150
- Philosophy of Neuroscience 151
- **Biomedical Ethics**
- Technology and Human Values

Psychology (PSYC)

- 100 Clinical Psychology
- 111A Research Methods I
- 111B Research Methods II
- 115A Laboratory in Cognitive Psychology
- 115B Laboratory in Cognitive Psychology II
- 116 Lab. in Clinical Psychology Research
- 120 Learning and Motivation
- 122 Mechanisms of Animal Behavior
- Cognitive Control + Frontal Lobe Function 123
- Clinical Neuropsychology 125
- 129 Logic of Perception
- 132 Hormones and Behavior
- Circadian Rhythms—Biological Clocks 133
- 134 **Eating Disorders**
- 138 Sound and Music Perception
- **Human Behavior Laboratory**
- Memory and Amnesia
- Psychology of Language
- Cognitive Neuroscience of Vision
- Psychological Basis of Perception
- Psychological Disorders of Childhood 168
- 169 Brain Damage and Mental Functions
- Cognitive Neuropsychology
- Neurobiology of Learning and Memory 171
- 174 Visual Cognition
- 176 Creativity
- Drugs, Addiction, Mental Disorder 179
- Drugs and Behaviors
- 182 Illusions and the Brain
- Impulse Control Disorders
- 189 Brain, Behavior, and Evolution

Cross-Campus Online

COGS 110: Philosophy of Cog. Science (UC

PSYBEH 102C: Abnormal Psychology (UC Irvine)

Visit crossenroll.universityofcalifornia.edu to enroll

These courses will be accepted by the Cognitive Science Department as General Electives without a petition.

- At least 3 of your 6 total electives must be taken within the Cognitive Science Department (COGS courses).
- *One course in the Cognitive science 19x (190A, 190B, 190C, 195P, 198, 199) series may be used to satisfy elective requirements, but only with the approval of both the instructor who supervised and the undergraduate advisor.
- Only one COGS 160 course can be used toward elective requirement.