Bachelor of Science -- Computational Emphasis

PREPARATORY Subject Matter: 60 units

- Philosophy 10/CGS 1
- Psychology 1/Psychology 1Y
- Psychology 41
- Statistics 13 (13V) or 100
- Linguistics 1/Linguistics 1Y

DEPTH Subject Matter: 48 units

- Group A—Core Classes Complete All [12 units]
  - Any Upper Division Cognitive Science Course
  - ECS 140A: Programming Languages
  - PHI 112: Intermediate Symbolic Logic
  - 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

- 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

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

*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.