Bachelor of Science -- Computational Emphasis

PREPARATORY Subject Matter: 60 units

_____ Philosophy 10/Cognitive Science 1
_____ Psychology 1/Psychology 1Y
_____ Psychology 41
_____ Statistics 13 or 100
_____ Linguistics 1/Linguistics 1Y
_____/____ Math 17A-B* or Math 21A-B*
_____/____ Math 22A & 22AL
____ Philosophy 12
____ Philosophy 13G
*MAT 17C/21C required to take MAT 22A & AL
_____ ECS 32A or ECS 36A
_____ ECS 32B or ECS 36B
_____ ECS 20
_____ ECS 34 or ECS 36C
_____ ECS 50

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

- **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

- 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
    - PSC 135: Cognitive Neuroscience
  - **Group D: Philosophy/Linguistics**
    - PHI 103: Philosophy of Mind
    - PHI 104: The Evolution of Mind
    - PHI 129: Knowledge and the A Priori
    - PHI 136: Formal Epistemology
    - LIN 103A: Linguistics Analysis I
    - LIN 103B: Linguistics Analysis II
    - LIN 150: Languages of the World

- 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.

Effective starting Fall 2018