Major Sciences: Mind, Machines and Morality (75 ECTS, exc. R&M)

**Discipline specific Research & Methodology (15 ECTS total)**

Level 100 (total 5 ECTS): Calculus 1  
Level 200 (total 10 ECTS), choose two:  
  Calculus 2  
  Computational Methods for Science

**Major courses (60 ECTS)**

**Level 100 (20 ECTS)**  
Three Compulsory  
Biopsychology (SS)  
Linear Algebra (SC)  
Programming in Python (SC)

One elective course, choose from:  
Media and Technology (HU)  
Philosophy of Mind (HU)  
Understanding Bias (HU)  
Ethics (SS)  
Living Cell (SC)  
Systems View of Life

**Level 200 (max 30 ECTS)**  
Four Compulsory  
Artificial Intelligence (SC) (prerequisite: Programming Python)  
Machine Learning (SC) (prerequisite: Programming Python)  
Smart Technologies Lab: From Art to Robotics (SC) (prerequisite: Programming Python)  
Cognitive Psychology (SS)

Two electives to choose from:  
Arts, Technology and Philosophy (HU)  
Freedom and Responsibility (HU)  
Cognitive Neuroscience(SS)  
Advanced Programming (SC)  
Big data (SC)

**Level 300 (min 10 ECTS)**  
Two electives to choose from:  
Robotics (SC)  
Health Technology (SC)  
Science Communication (SC)  
Culture & Cognition (HU)  
Metaphor, Meaning, and Truth (HU)

AND

**Level 300 Capstone**: Developmental Psychology OR Smart Technologies (5 ECTS)  
**Level 300 Individual Bachelor thesis**: (10 ECTS)