



Master of Science in Evolutionary and Adaptive Systems

Since 1996, the University of Sussex has offered a Master of Science (MSc) degree in Evolutionary and Adaptive Systems (EASy).

The study of natural and artificial evolutionary and adaptive systems is at the heart of rapidly developing areas from artificial intelligence, adaptive behaviour and autonomous robotics to computational neuroscience, consciousness and cognitive science. Sussex is internationally renowned for its research in these areas.

The EASy MSc provides a solid foundation with topics including: artificial life, adaptive systems, computational neuroscience, neural networks, biologically inspired robotics, dynamical systems approaches to cognition, mathematics of complex systems, neuroscience of consciousness, evolutionary computation and biological modelling.

The well established EASy programme is taught by leading experts and there are many opportunities to interact with the thriving Sussex research community, including the Centre for Computational Neuroscience and Robotics (CCNR), the Sackler Centre for Consciousness Science, Sussex Neuroscience and the Centre for Cognitive Science (COGS). Students have access to specialist facilities including robotics labs, high-performance computing and neuroscience research facilities.

Students take eight taught courses, followed by an individual research project during the summer. The project is supervised by a member of faculty. It is not unusual for dissertation work to be published in international conference proceedings or journals.

Of the large number of students who have graduated from the EASy MSc, 50% have later obtained doctorates and some have gone on to glittering careers in research. Others have forged thriving business careers, with several setting up highly successful companies.

Grants of up to £10,000 are available at Sussex (<http://www.sussex.ac.uk/study/money/scholarships/>). Additionally, due to a generous donation from Andrew Pegge, two Pegge Scholarships are awarded annually to EASy MSc students. The scholarships are open to all, and awarded on merit.

Is EASy Right for Me?

Are you excited by fundamental questions in adaptive behaviour, biology and technology such as: How are insects so successful despite their tiny brains? Or, can we build machines as intelligent as animals? Are you interested in embodied AI? The origin of consciousness? Complexity? Whatever your background, if you answer 'yes' to any of these questions, our MSc is right for you.

How to Apply

To apply to the EASy MSc please go to: <http://www.sussex.ac.uk/study/pg/applying/> and choose the EASy MSc taught programme.

More information

<http://www.sussex.ac.uk/easy/smsc>
or email Andy Philippides <andrewop@sussex.ac.uk>

