

Neuroscience (Neurasmus)

Program Outline

European Master in Neuroscience: advanced courses and research training.

The Neurasmus program is a full-time Neuroscience study program offering a unique interdisciplinary and integrated approach of normal brain functions and diseases. It strongly emphasizes training in cutting-edge techniques in all major topics of brain research, from molecules to cognition.

The Neurasmus curricula are completely embedded in international-oriented local Master programs of the partner universities. Each program features among the best and most reputed national programs in Neuroscience.

The Neurasmus program is an Erasmus Mundus Joint Master Degree developed under the Key Action 1 of the Erasmus+ program. Action 1 fosters cooperation between higher education institutions and academic staff in Europe and Third Countries with a view to creating poles of excellence and providing highly trained human resources.

Joint programs of outstanding academic quality are designed and implemented by a consortium of European universities from at least three different countries. Consortia may also include universities from other parts of the world.

Programs include obligatory study and research periods, in at least two universities, and award recognized double or multiple degrees.

Admission Requirements

Candidates must fulfill the following requirements:

- › Hold a Bachelor's degree (180 ECTS) or a qualification in natural sciences.
- › A solid basic knowledge in general cell biology, as well as the basics of chemistry and biochemistry, physics and math is required.
- › Excellent proficiency in English.

Academic Cooperation

Collaboration between six partner universities:

- › Canada: Université Laval
- › France: University of Bordeaux
- › Germany: UMG
Universitätsmedizin in Göttingen, Charité
- › Universitätsmedizin in Berlin
- › Portugal: Universidade de Coimbra
- › Netherlands: Vrije Universiteit Amsterdam

Associated members:

- › SPARK Foundation, University of Copenhagen, University of Ottawa.

Program duration

2 years (120 ECTS).

Language Requirements

- › Candidates who completed their education in Canada, USA, UK, Ireland, New Zealand, South Africa, or Australia, do not need to provide an English certificate.
- › All other applicants (incl. candidates who hold a Bachelor

or Master degree taught in English) need to provide evidence of their English language skills with any one of the following test scores:

- › IELTS: 6.5 (no score below 6), Paper based TOEFL: 580, Computer-based TOEFL: 237, Internet-based TOEFL: 92, Certificate of Advanced English: B/C, Certificate of Proficiency in English: B/C.

Fees and scholarships

- › Available scholarships: Erasmus Mundus student scholarships
- › Self-funded program country students*: 2,250€ per semester (9,000€ for the 2 year-program)
- › Self-funded partner country students: 4,500€ per semester (18,000€ for the 2 year-program)

Strengths

- › Scientific education and training with innovative and interdisciplinary brain research methodology.
- › Research projects (laboratory rotations) involving experimental work and data analysis.
- › Common workshops bringing together students and university representatives.
- › Small classes and close contact with faculty staff.
- › International learning environment with high-level mobility opportunities.
- › Attractive scholarships.

Program structure

At the application stage, students choose the main track they wish to follow. This defines their first year mobility.

- › Track 1: Amsterdam (120 ECTS)
- › Track 2: Bordeaux (120 ECTS)
- › Track 3: Göttingen (120 ECTS)
- › Track 4: Berlin (120 ECTS)
- › Track 5: Coimbra (120 ECTS)
- › Track 6: Amsterdam / Bordeaux (120 ECTS)

Depending on the track chosen, students spend their first and second semesters in Amsterdam / Göttingen / Berlin / Coimbra / Bordeaux / Laval.

The Board of Education agrees on the first, second or third wish according to the selection ranking and intake capacity of partner institutions.

At the end of the first semester, students choose a subspecialty which defines the partner university(ies) for the 2nd year. It is part of the student's Personal Training Plan (PTP). Students have up to the end of first year / start of third semester to choose the subject of their Master Thesis. Students then spend their third and fourth semesters in one or two locations: Amsterdam / Göttingen / Berlin / Coimbra / Bordeaux / Laval.

Year 1

Semester 1 & 2

› Core curriculum

Students are introduced to the different domains of Neuroscience and provided with the basic knowledge they need through a commonly agreed core curriculum (core courses).

In addition, every student conducts research projects (laboratory rotations) in different participating departments.

Research projects involve experimental work, data analysis and a written laboratory report.

Year 2

Semester 1

› Advanced courses

The choice of the advanced courses (30 ECTS), in association with the initial track, will define the subspecialty training obtained by the student.

Semester 2

› Master Thesis

Students complete a six month research project or industrial placement leading to a Master Thesis (30 ECTS).

How to apply?

Students may apply online.

And after?

- › On completion of the Master program, students are qualified candidates for different exchange and training PhD programs currently available among the consortium members.

- › Graduates will have also the possibility to pursue their studies at PhD level at any of the consortium graduate schools (www.enc-network.eu) or at any other research institution worldwide.

- › Graduates interested in starting a career within the business sector, benefit from the industrial network of the consortium.



Website

Contact

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