The Masters of science in Neuroscience at the University of Hartford is interdisciplinary in nature, providing experiences at the interface of biology, psychology, and other natural sciences. The program is designed to meet the needs of both full-time and part-time non-traditional students with most courses and laboratories offered in the evenings. In addition, the Neuroscience Master's Program offers two options. The thesis option requires a six-credit thesis and is designed for students who are interested in research positions or who plan to pursue doctoral training in the future. The non-thesis option requires a 3-credit research paper where a particular applied/clinical interest is integrated with coursework taken. This option is intended as an appropriate terminal degree for students pursuing advancement in non-research positions.

**OVERVIEW**

The Masters of science in Neuroscience at the University of Hartford is interdisciplinary in nature, providing experiences at the interface of biology, psychology, and other natural sciences. The program is designed to meet the needs of both full-time and part-time non-traditional students with most courses and laboratories offered in the evenings. In addition, the Neuroscience Master’s Program offers two options. The thesis option requires a six-credit thesis and is designed for students who are interested in research positions or who plan to pursue doctoral training in the future. The non-thesis option requires a 3-credit research paper where a particular applied/clinical interest is integrated with coursework taken. This option is intended as an appropriate terminal degree for students pursuing advancement in non-research positions.

**FURTHER INFORMATION**

The Center for Graduate and Adult Academic Services would be happy to provide more specific information about a degree program or answer any other questions you may have. Please contact the office at: gradstudy@hartford.edu or by phone 860.768.4371 or 800.945.0712.

For more specific information regarding the Neuroscience program please contact Program Director Dr. Jacob Harney at 860.768.5780 or email at: Harney@hartford.edu

Program website: www.uhaweb.hartford.edu/biology

**THE MASTERS OF SCIENCE IN NEUROSCIENCE**

**PROGRAMS OF STUDY**

The MS in Neuroscience requires 31 credits for the Thesis Option or 34 credits for the Non-Thesis Option with at least a B average, no more than two grades of C, and no grade below C, including:

**THESIS OPTION** [Required Credits: 31]
- BIO 520 Introduction to Neuroanatomy [3]
- BIO 538 Principles of Neurophysiology [4]
- BIO 540 Neuroethics [3]
- BIO 790, 791 M.S. Thesis [3,3]
- Approved electives [12]
- A written comprehensive examination

**NON-THESIS OPTION** [Required Credits: 34]
- BIO 520 Introduction to Neuroanatomy [3]
- BIO 744 Introduction to Clinical Neurology [3]
- BIO 518 Neuropharmacology [3]
- BIO 538 Principles of Neurophysiology [4]
- BIO 540 Neuroethics [3]
- PSY 754 Integration and Application of Research Data [3]
- Approved electives [15]
- A written comprehensive examination

Our next open houses are:
- **AUGUST 25, 2016**
- **JANUARY 12, 2016**

To make a reservation, go to: http://www.hartford.edu/graduate/OpenHouse.aspx
NEUROSCIENCE REQUIREMENTS

Thesis Option: Ideal preparation would include a bachelor’s degree in science, such as biology or chemistry, with additional optional undergraduate preparation in biology, chemistry, physics, and mathematics. An otherwise well-qualified student whose background does not contain all the requisite courses may be considered. All applicants must take either the GRE or, in lieu of this, submit results from the Dental Admissions Test (DAT) or Medical College Admissions Test (MCAT).

Non-Thesis Option: Ideal preparation would include baccalaureate work in some area of the life or health sciences, such as biology, psychology, physical therapy, occupational therapy, or nursing, with additional optional undergraduate preparation in chemistry and biology. An otherwise well-qualified student whose background does not contain all the courses may be considered. For health professionals, results of licensing and/or certification examinations may be submitted in lieu of GRE scores.

APPLICATION REQUIREMENTS

The admissions review committee will consider only complete applications. All application materials should be uploaded in pdf format. Official transcripts should be sent to the Graduate Admissions Office at the following address: Center for Adult and Graduate Academic Services, C223; University of Hartford, 200 Bloomfield Avenue; West Hartford, CT 06117 USA.

The following items are required:
- An online application
- $50.00 USD application fee, payable to The University of Hartford
- Official transcripts for all collegiate level coursework forwarded to the University of Hartford
- A letter of intent as specified in the application form
- 3 letters of Recommendation
- Official result on the General Aptitude section of the GRE (Graduate Record Exam) forwarded to the University of Hartford using school code 3436. ETS.org.
- Applicants to the Master’s Program in Neuroscience (Thesis Track) must take the Graduate Record Examination or, in lieu of this, submit results from the Medical College Admissions Test (MCAT) or Dental Admissions Test (DAT). Applicants to the Master’s Program in Neuroscience (Non-thesis Track) must take either the Graduate Record Exam or submit results of certification/licensing examinations.

International Applicants
- Transcript evaluation – transcript must be evaluated by the World Education Services/ WES. Visit: www.wes.org. The evaluation at a minimum should indicate that the student has completed the equivalent of four-year bachelor’s degree at a U.S. regionally accredited institution. The $50.00 application fee will be waived to defray the cost of the evaluation.
- Guarantor’s Statement – a certified Guarantor’s Statement of financial support is required. You may download the Guarantor’s Statement at: www.hartford.edu/graduate/int.

DEADLINES AND DATES

Admission into the Neuroscience Program can occur for either the fall or spring semester. Applications for admission are accepted year round but applicants are encouraged to apply as early as possible and certainly by mid-July for admission in the fall. Applications should be completed no later than 30 days before the start of either semester. Those applying for graduate assistantships must have completed an application no later than 4 months before the start of the semester. The admissions committee will review complete applications in the order in which they are received. Students who wish to explore the program prior to formal admission may enroll in up to 6 credits of graduate course work.

COSTS OF ATTENDANCE

Graduate students in the Neuroscience program are charged the per-credit-hour rate. The 2015-2016 academic year per-credit-hour rate for courses in the Neuroscience program is $605 per credit hour.

International students who hold F-1 visas are required to attend as full-time students (minimum of 9 credits per semester). The 2015-2016 academic year full-time tuition and fees for international graduate students in the Neuroscience program is $11,568 per year. This is estimated and based on the minimum full-time cost for tuition and fees for the Fall and Spring semesters.

FINANCIAL AID

Domestic Financial Aid:
- Student financial assistance for graduate and professional students through the Office of Admission and Student Financial Assistance at the University of Hartford is available through the Federal Family Education Loan and supplemental loan programs. Students must meet all eligibility requirements as established by the U.S. Department of Education. The academic year includes summer, fall, and spring.

There are three items which students must satisfy in order to be eligible for financial aid:
- Be matriculated into a graduate degree-granting program
- Be registered for at least six credits a semester-except Summerterm, which contains six-week sessions. You may satisfy the six credit requirement during Summer term by taking six credits during one session or by taking three credits each session.
- File the Free Application for Federal Student Aid (FAFSA) for the academic year and meet all eligibility requirements established by the U.S. Department of Education.

For more information, call 800.947.4303 or email fi.naid@hartford.edu

International Financial Aid:
- Financial Aid for international graduate students is available through the Federal Family Education Loan and supplemental loan programs. Students must meet all eligibility requirements as established by the U.S. Department of Education.
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Assistantships and Fellowships:
- A limited number of qualified students may receive a Regents Fellowship in Neuroscience that would provide partial tuition remission and a $5,000 stipend. Those students would serve as research assistants to a professor in the Department of Biology. Limited teaching assistantships are also available. Students enrolling in the thesis track of the program are encouraged to submit research grants for in-house and/or extramural funding opportunities. These grants provide invaluable grant writing experience for students intending to pursue doctoral training.

CUTTING EDGE RESEARCH OPPORTUNITIES:

The Neuroscience program has a unique position in the area in that it provides research opportunities in clinical neuroscience, neurophysiology, and basic neuroscience. Students interested in doing a thesis project will be directed towards instructors/laboratories that work in the area of the student’s interest. We have had great success placing students in laboratories in both Biology and Psychology Departments here at the University of Hartford as well as in top-notch laboratories at the UCONN Health Center and Trinity College.

POST GRADUATE PLACEMENT:

Upon completion of our Neuroscience Graduate Program students have gone on to high quality doctoral programs in states across the country including Connecticut, Florida, Minnesota and Pennsylvania. In addition, students have taken on employment opportunities ranging from laboratory research technicians to sales representatives for pharmaceutical companies. Many of our students are practicing professionals in physical therapy, occupational therapy and other areas who just want to advance their education and improve the quality of their care for others.

Ideal preparation would include a Bachelor’s Degree in Science such as Biology, Psychobiology, Physics, Chemistry, Psychology, or Engineering. Optional undergraduate preparation should include courses in physics, chemistry, biology, psychology, and mathematics. An otherwise well-qualified student whose background does not contain all the requisite courses may be considered.

The MS in Neuroscience may be completed on either a full- or part-time basis.