The Department of Neuroscience is offering a new **Master's in Applied Neuroscience** Degree.

The goal of the Master's in Applied Neuroscience is to develop a biomedical work force with expertise in the techniques needed to advance in the rapidly expanding field of Neuroscience. Successful completion of this degree program will expand employment opportunities well beyond what is available to individuals with a Bachelor's Degree.

The intent is to prepare the highest caliber post-baccalaureate personnel so that they can effectively compete for jobs in the rapidly growing field of biomedical science, particularly in areas where an understanding of Neuroscience will provide a competitive advantage (see below for examples). The program will include both didactic teaching and research training.

Requirements for Application

1. For those interested in the research track, you will need evidence that you have had wet lab research experience.
   For those interested in the education track, you will need evidence that you have had some teaching experience (e.g., TA in a course).
2. GRE exam scores
3. Personal Statement as to why you want to enter this program. You should include a description of any research/teaching experiences in your statement and your specific roles.
4. Two Letters of Recommendation. One of your letters of recommendation should come from an individual who can attest to your lab/teaching skills.
5. Official Transcript(s) from all institutions attended
6. Updated Resume

Curriculum

Students will choose between a *research* or an *education* track. Regardless of the track chosen, all students will take a required core didactic curriculum that will provide advanced knowledge of the organization and function of the nervous system and how it relates to disease processes (see below). This curriculum will provide the advanced level knowledge and practical skills in Neuroscience that are essential for practicing professionals. The courses include:

Required courses:

- **NeuroSc 7001:**   **Foundations of Neuroscience I.**
- **NeuroSc 7002:**   **Foundations of Neuroscience II.**
- **NeuroSc 7050:**   **Neurobiology of Disease.**
- **NeuroSc 7100:**   **Current Topics in Neuroscience.**
- **NeuroSc 7200.01:**   **Neuroscience Laboratory.**
- **NeuroSc 7890:**   **Seminar in Neuroscience.**
- **NeuroSc 7000.1**:   **Research Techniques**
- **NeuroSc 7000.2:**   **Education Techniques**
- **NeuroSc 7530:**   **Bioethics**
- **NeuroSc 7600:**   **Capstone Project**
- **Statistics**

Electives: Students in both tracks may take additional electives that will provide training that meets their specific career goals. Examples include but are not limited to:

- **Biology 6001: College Biology Teaching**
- **EDUCST 7406: Course Design for Higher Education**
- **ESEPSY 7404: College Teaching**
- **BMI 5710 - Introduction to Biomedical Informatics**

Graduates from this program would be prepared for careers including, but not limited to, Research Assistant or Research Associate in a scientific or clinical research laboratory, Senior Scientist in Pharmacology, Research Scientist in Human-Machine Interactions, Neuroscience Genomics Research Associate, Medical Science Liaison, Marketing Assistants, Computer Lab and/or Sales Assistants for biotechnical or pharmaceutical companies, Neuroimaging technicians, Science Teacher, Research and Teaching Administrator, Adviser in public and government Institutions, Academic journalist, Medical writer, Clinical data manager and Patent Agent. (https://www.indeed.com/q-Ms-Neuroscience-jobs.html; http://work.chron.com/can-masters-degree-neuroscience-4161.html).

Application information will be posted in January 2, 2021.

If you have questions or need more information please email us at: OSUNeuroMasters@osumc.edu.