DEPARTMENT OF BIOLOGICAL SCIENCES

The Department of Biological Sciences is a center for innovative, interdisciplinary life sciences research. Students in the Graduate Programs in the Department of Biological Sciences gain a deep understanding of their own discipline as well as the skills and experience to think across multiple levels of biological organization, from molecules to ecosystems. This unique cross-disciplinary approach to life sciences training prepares students to become leaders in fields ranging from molecular structure-function to biomedicine to evolutionary genomics.

We offer a choice of three graduate programs, each designed to prepare students for a variety of careers:

**Ph.D. program**
provides training for students interested in taking leadership positions in academic institutions and/or the biotech industry.

**MS program**
provides research skills training for students who have not had previous research experience, and/or advanced instruction for those who wish to assume laboratory management positions.

**MA program**
introduces students to advanced topics in biological sciences, preparing students for successful careers in health professions, education, and regulatory organizations.

As a student in the Graduate Programs in Biological Sciences at the University at Buffalo, you will work with and learn from a close knit community of scholars that includes both distinguished faculty and upcoming, cutting edge researchers. Our faculty are focused on providing you with interdisciplinary training within flexible degree programs that are driven by your interest and career goals.

Current faculty research interests are interdisciplinary and center around three themes:

**Molecular Biology of Gene Expression**
Work in this area explores the roles of genes, gene families, chromosomes, and genomes in the function and adaptation of individuals and populations.

**Signal Transduction in Sensory Perception and Development**
This research group is focused on signal transduction and the role it plays in a wide array of processes including the neuronal systems, development, and cell to cell interactions.

**Molecular Evolution/Population Biology**
Research in this area addresses the roles played by evolutionary processes in shaping organisms and populations. Research spans a wide range of spatial and temporal scales, including different levels of biological organization and is relevant to studies of short and long term environmental change on populations.
• Hands-on training: Develop essential laboratory skills by working in research labs with faculty in a variety of life science disciplines.

• Course-based training focused on your needs: Flexible degree program allows you to choose courses that provide you with the background knowledge in your area of interest.

• Develop ancillary skills: Students develop other relevant skill sets such as presentation, data preparation, laboratory safety and management, etc. making you a well-rounded, desirable job candidate.

• Option to transfer to Ph.D.: For interested, eligible students, work completed for the M.S. can be directly applied to a Ph.D. degree in our program.

• Opportunities for funding: M.S. candidates are eligible for teaching assistantships that provide a stipend and tuition.

We are a nationally recognized program at the University at Buffalo, recently ranked by US News and World Report in the top 50 of more than 1,400 of the country’s 4-year colleges and universities. In addition, the City of Buffalo is seeing significant investments and success in the life sciences and bio tech, providing research and employment opportunities for our graduating students. We look forward to discussing how you can be part of this exemplary program.

Apply on line: http://bit.ly/1qL8eem

Want more information? Additional information about the program can be found at: http://biologicalsciences.buffalo.edu/Graduate/grad_main.html.

OR
For the M.S & Ph.D. programs contact: Dr. Michael Yu, Director of Graduate Studies at mcyu@buffalo.edu
For the M.A. Program contact: Dr. Mary Bisson, Director of the MA program bisson@buffalo.edu
For general graduate program or application questions/instructions, contact: Ms. Betsy Thornton, Graduate Secretary met8@buffalo.edu