Biology
Master of Arts in Biology/Master of Science in Biology

ADMISSIONS REQUIREMENTS

- Official transcripts from **all** post-secondary institutions attended
  - ➢ Have attained a bachelor's degree or its foreign equivalent from an accredited college or university
  - ➢ Have attained a minimum grade average of B in the field selected for the graduate major and a minimum grade average of B- in undergraduate studies as a whole
- Have completed a major in biology, chemistry, physics, or an allied field
- Three letters of recommendation
- Resume or Curriculum Vitae
- A 500-word essay outlining intellectual and academic interests, accomplishments, and career objectives
- If admitted conditionally, satisfy the condition(s) within one year
- Participation in an interview

UNDERGRADUATE SPECIALIZATION IN BIOLOGY

Candidates whose undergraduate major was in biology must have completed:

- One year of organic chemistry with laboratory
- One year of college physics
- Either one year of calculus or one semester of calculus and a semester of statistics

UNDERGRADUATE SPECIALIZATION IN CHEMISTRY, PHYSICS OR ALLIED FIELD

Candidates whose undergraduate major was in Chemistry, physics, or Allied Health must have completed:

- The equivalent of an undergraduate minor in biology
- One year of organic chemistry with laboratory
- One year of college physics
- Either one year of calculus or one semester of calculus and a semester of statistics

Questions about the program?

Dr. Stephen Redenti

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Questions about the admissions?

The Office of Graduate Admissions

http://www.lehman.edu/admissions

Course Requirements   **Credits**

BIO 501	Topics in Genetics	4
BIO 502	Topics in Economic Botany	4
BIO 503	Urban Ecology	4
BIO 610	Mammalian Physiology	4
BIO 611	Problems in Microbiology	3
BIO 612	Plant Growth and Development	4
BIO 618	Problems in Ecology	4
BIO 621	Special Topics in Physiology	4
BIO 626	Protozoology	4
BIO 630	Seminar in Biology	1
BIO 634	Cell Biology and Electron Microscopy	4
BIO 635	Neurophysiology	3
BIO 636	Neurophysiology Lab	2
BIO 642	Molecular Biology	4
BIO 644	Biological Chemistry	4
BIO 646	Statistics for Biological Research	4
BIO 701	Biological Systematics	4
BIO 710	Microbial Physiology	4
BIO 719	Physiology and Taxonomy of Fungi	4
BIO 722	Vertebrate Endocrinology	3
BIO 724	Cell Physiology	4
BIO 726	Physiology and Biochemistry of Differentiation	3
BIO 740	Virology	3
BIO 744	Special Topics in Biological Chemistry	3
BIO 746	Biology of Aquatic Organisms	4
BIO 750	Comparative Physiology and Biochemistry	3
BIO 792.1	Tutorial	2
BIO 792.2	Tutorial	4
BIO 799.1	Thesis Research	1
BIO 799.2	Thesis Research	2
BIO 799.3	Thesis Research	3

All students (matriculated or non-matriculated) should consult with the departmental graduate adviser regarding their program. The following two tracks toward the Master's degree are available:

- **M.S. in Biology: Independent Laboratory Research. 30 credits. (Program Code 117).**
  - ➢ A student may elect to substitute 3 to 6 credits of course work.
  - ➢ When a student is ready to select a research problem, a research advisory committee of faculty members will be established in consultation with his or her thesis adviser, to guide the investigation.
  - ➢ A thesis based in this research must be defended satisfactorily in an oral presentation prior to its submission in partial fulfillment of the requirements for the degree of Master of Science. Approved copies of the thesis must be deposited in the Lehman College Library and the Department of Biology.
- **M.A. in Biology: Tutorial. 34 credits. (Program Code 119).**
  - ➢ A student must include 4 credits of tutorial (BIO 792.2) as part of 34 credits required in this tack.
  - ➢ This tutorial is performed under the supervision of a member of the graduate faculty in Biological Sciences.
  - ➢ The results of this project will be written and submitted to the Department of Biological Sciences in partial fulfillment of the requirements of the master's degree. This document will become part of the departmental library.