BIOLOGY

Admission Requirements

• Baccalaureate degree in Biology or have equivalent training.
• A minimum cumulative grade point average of 3.00 (4.00=A) and 3.00 average in Biology (minimum 32 semester hours or equivalent).
• Competence in Chemistry and Mathematics is expected.
• Applicants must provide scores from any one or more of the following standardized tests: General GRE, Biology-specific GRE, or MCAT. Students are expected to score above the 25th percentile to be competitive for admission. Full admission is required for a teaching assistantship or tuition waiver.
• Statement of purpose.
• A letter of interest indicating proposed area of specialization and possible advisers in the Department of Biology.
• International students: In addition to the above requirements must have a minimum score of 79 on the internet-based TOEFL and one of the following: a) minimum score of 23 on the speaking portion of the TOEFL, or b) a passing score on the U-Adept test.

Applications are accepted on a rolling basis. Review begins in January/February for fall enrollment.

Master of Science

Thesis Option

The program is primarily for the student who will pursue a research career, including the student who intends to enter a doctoral program in the biological sciences.

Course work in addition to the master’s research and seminars (must be approved by the student's advisory committee) – 24 credits.

Research and thesis – minimum of 12 credits.

Participation in seminars – a maximum of four credits.

A minor may be taken in approved graduate courses including education. Summer study at a biological station is available.

Required Courses

At least two courses of the following six listed below are required:

• 3100:616 Graduate Evolutionary Biology
• 3100:617 Graduate Ecology
• 3100:625 Basic DNA Techniques
• 3100:626 Techniques in Molecular Biology
• 3100:673 Integrative Stress Physiology
• 3100:676 Integrative Physiology

Nonthesis Option

This program is designed exclusively for secondary school teachers for whom the M.S. probably will be a terminal degree and who do not need research experience. The program is open only to applicants possessing a teaching certificate or those coregistering with the College of Education and showing normal progress towards qualifying for a certificate.

The requirements are the same as the research option except that no thesis and research is undertaken, but a total of 40 credits of approved coursework (including a maximum of four credits for seminar participation) is required.

For additional details concerning admission standards, degree requirements and selection of options, refer to the Department of Biology Graduate Student Guide.