

## Master of Science in Biology

### INTRODUCTION

This degree prepares students, depending upon direction, for work as teachers, lab technicians or administrative employees in academia, industry, governmental agencies or non-profit organizations. The program provides training in all areas of biology ranging from the molecular to the ecosystem levels. It is designed to develop specific expertise in the student's field of interest.



### DEGREE PROGRAM

The program is particularly strong in cell and molecular biology and in urban ecology and environmental issues. Researchers from the Lerner Research Institute of the Cleveland Clinic contribute to instruction in biomedical research. The Cleveland area and Cuyahoga River with its

parks and old industrial areas are natural subjects for research. A track in museum studies for natural historians is also available.

### RESEARCH

The degree is offered in thesis and non-thesis versions. The former is suggested for more rigorous training in laboratory and research methods; the latter for students and teachers wanting to deepen their knowledge of a particular area of modern biology. The thesis version requires course work, original scientific research, a written thesis and its oral defense, presentation of the thesis research at a Department Seminar, and a manuscript suitable for publication as an original research report in a scientific journal. Thirty-two credits of research and course work are required, of which at least twenty-four are course work, including biochemistry, biostatistics, orientation, and graduate seminars. The non-thesis version requires thirty-two credits of course work, including biochemistry, biostatistics, orientation, and graduate seminars, and a final library research paper to be presented

and defended before a committee of three faculty members.

### DEGREE REQUIREMENT

A complete application includes the online form, transcripts, GRE general test scores, (TOEFL scores for students without a degree from an English-speaking institution), at least two letters of recommendation, and a 1-2 page essay statement of career goals and research interests. Requirements for entry include a B.S. in biology or other appropriate area, GPA over 2.75 (3.00 for consideration for graduate assistantships), good letters of reference; preferred qualifications include GRE percentile scores averaging over 50 and an excellent match of research interests to those of our faculty.

#### For admission information, contact:

Cleveland State University  
Graduate Admissions Office  
2121 Euclid Ave.  
Cleveland, OH 44115  
(216) 687-5599  
[www.csuohio.edu/gradcollege/](http://www.csuohio.edu/gradcollege/)

#### Contact information:

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