

# EVMS

## Biotechnology Master's Program



### Contact Information:

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Biotechnology Master's Program  
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**EVMS** | Community Focus.  
World Impact.

# EVMS

## Overview:

The Biotechnology Master's Program at Eastern Virginia Medical School (EVMS) is a uniquely integrative research program that provides students with hands-on training in state-of-the-art molecular, genomic, proteomic, cellular and imaging techniques combined with a solid basis in the theoretical knowledge of biomedical sciences and laboratory research design.

### Key Program Advantages

- Provides an accelerated, 16-month curriculum of hands-on and theoretical research training
- Incorporates six months of research internship on campus and/or with a biotechnology industry partner
- Involves close interaction of students with experienced research faculty
- Features strong emphasis on interdisciplinary research and laboratory methodology in the following focus areas:

- **Molecular and Cellular Biology**
- **Microscopy and Imaging Techniques**
- **Microarray and Proteomic Technologies**
- **Flow Cytometry**
- **Animal Models**
- **Bioinformatics**
- **Drug Discovery and Research Design**
- **Lab Management**

This rigorous educational program trains future laboratory professionals to undertake biomedical research in academic research laboratories or in the biotechnology and pharmaceutical industries.



### Educational Format

The EVMS Biotechnology Master's Program is based on an accelerated curriculum of 16 months. The program offers a unique balance of hands-on training in a diverse set of research technologies and solid theoretical training in molecular and cellular biology and experimental design. This innovative program includes six months of research internship, which can be completed on campus in an EVMS research laboratory, in the EVMS Molecular Core Laboratory and/or off campus with one of our biotechnology industry partners, providing students with a range of applied research training in disease models, bioprocessing, virology, molecular diagnostics, regenerative medicine, imaging and immunology. Graduates gain a broad set of research skills using cutting-edge technologies and receive valuable laboratory management and communication training, preparing them for careers in the biomedical sciences, biotechnology and pharmaceutical sectors.

### Admission Requirements

- A Bachelor's or graduate degree with a 3.0 GPA or higher
- Competitive scores from the Graduate Record Examination (GRE) and Test of English as a Foreign Language (TOEFL; international applicants only)
- College-level courses in biology, physics, chemistry and mathematics

### Application Procedures

Applicants must submit the following to be considered for admission:

- Online application form and application fee
  - Official transcripts from the registrar of all colleges and universities attended
  - GRE and TOEFL scores sent directly from the testing agency
  - Three letters of recommendation, preferably from faculty at colleges attended by the applicant
- Visit [www.evms.edu/healthprofessions](http://www.evms.edu/healthprofessions) for forms and submission information.*

All application materials, including test scores and transcripts, must be received no later than June 1 and sent to:

Office of Admissions and Enrollment  
School of Health Professions  
Attn: Biotechnology Master's Program  
Eastern Virginia Medical School  
Lewis Hall, Room 1155  
P.O. Box 1980  
Norfolk, Virginia 23501-1980

Visit  
[evms.edu/biotechnology](http://evms.edu/biotechnology)  
for forms and submission information.