

BIOINFORMATICS AND COMPUTATIONAL BIOLOGY (MPBC)

Graduate Degree Program
College: Computer, Mathematical, and Natural Sciences

ABSTRACT

The Master of Professional Studies (MPS) in Bioinformatics and Computational Biology provides education in the theory and practice of the major current areas in the field including problem contexts, mathematical and statistical foundations, computational approaches, communication, and ethical, privacy and legal considerations. In addition to the fundamentals of bioinformatics and computational biology, the program covers relevant probability and statistics, data structures and algorithms, and machine learning. The program consists of 30-credit course work and is a non-thesis MPS program.

CONTACT

Science Academy

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College Park, MD 20742
Email: scienceacademy@umd.edu
Phone: 301.405.9101

Website: <https://scienceacademy.umd.edu/bioinformatics-and-computational-biology/mps> (<https://scienceacademy.umd.edu/bioinformatics-and-computational-biology/mps/>)

ADMISSIONS

GENERAL REQUIREMENTS

- Statement of Purpose
- Transcript(s)
- TOEFL/IELTS/PTE (international graduate students (<https://gradschool.umd.edu/admissions/english-language-proficiency-requirements/>))

PROGRAM-SPECIFIC REQUIREMENTS

- Letter of Recommendation (1) (optional)
- CV/Resume
- Description of Research/Work Experience
- Prior Coursework: Prior coursework establishing quantitative ability (i.e. calculus, linear algebra, basic statistics etc.)
- Education or work experience in biological/biomedical sciences, mathematics, statistics, and or computer science fields
- Proficiency in programming languages: Proficiency in programming languages, demonstrated either through prior programming coursework or substantial software development experience

International Applicants

F (student) or J (exchange visitor) visas; A,E,G,H,I and L visas and immigrants	March 15, 2024	N/A
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RESOURCES AND LINKS:

Program Website: <https://scienceacademy.umd.edu/bioinformatics-and-computational-biology/mps> (<https://scienceacademy.umd.edu/bioinformatics-and-computational-biology/mps/>)

Application Process: www.gradschool.umd.edu/admissions (<http://www.gradschool.umd.edu/admissions/>)

REQUIREMENTS

- Bioinformatics and Computational Biology, Master of Professional Studies (M.P.S.) (<https://academiccatalog.umd.edu/graduate/programs/bioinformatics-computational-biology-mpbc/bioinformatics-computational-biology-mps/>)

Type of Applicant	Fall Deadline	Spring Deadline
Domestic Applicants		
US Citizens and Permanent Residents	June 14, 2024	N/A