



GRADUATE PROGRAM IN BIOINFORMATICS

BIOINFORMATICS, M.S. AND CERTIFICATE

[HOOD.EDU/BIFX](https://hood.edu/bifx)
[HOOD.EDU/BIFXCERT](https://hood.edu/bifxcert)

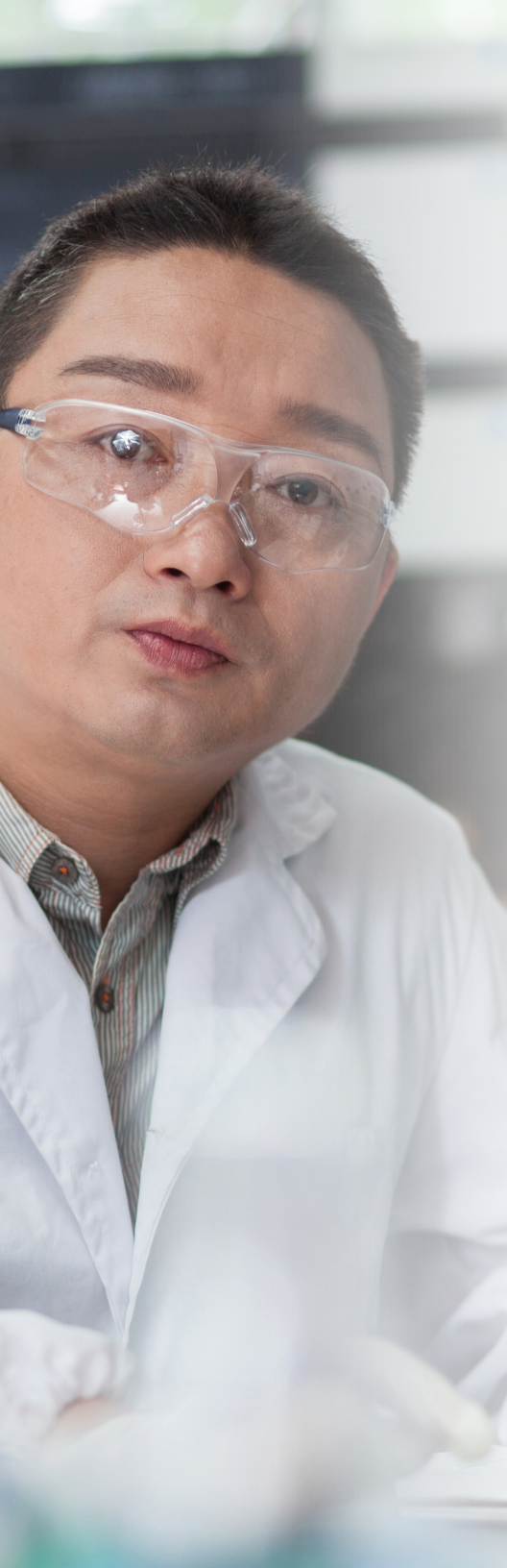


“Hood College taught me all I needed to know about research, proposal-writing, coding and so much more. There is not one class that I do not use on a daily basis to help me with my current research.”

*Destinee Morrow
Bioinformatics, M.S.'20*

BIOINFORMATICS AT A GLANCE

An exciting and expansive field, bioinformatics is situated at the intersection of computer science and biological research. Our multidisciplinary program is designed to prepare students for high-level careers as bioinformaticians or computational biologists in a wide array of industries. From data analysis to experimental design, you will acquire real-world skills and hands-on knowledge to qualify for work in such industries as genomics, proteomics, pharmaceuticals and beyond.



UPGRADE YOUR EDUCATION

CROSS-DISCIPLINARY TRAINING

Coursework in computer programming, molecular biology, sequence analysis, data management, machine learning and more.

DUAL-GATEWAY

Select unique foundation courses according to your experience in biology or computer science.



PROJECT MANAGEMENT CERTIFICATE

Students may elect to complete an additional certificate in project management.



EXPERIENTIAL LEARNING

Our partnerships with a variety of nearby federal and corporate biotech labs afford ample internship opportunities.



CREDIT TRANSFER

Apply your bioinformatics certificate credits toward the M.S. degree.

FLEXIBILITY

Full- and part-time schedule options allow you to learn at your own pace, while evening classes accommodate working professionals.





CAREERS IN BIOINFORMATICS

GROWING WORKFORCE

The Bureau of Labor Statistics projects 15 percent growth for jobs in computer-based analysis by 2029, nearly four times the national average.

BROAD APPLICATION

As a hybrid science, bioinformatics applies to a broad scope of public and private sectors.

- Health Care / Pharmaceutical / Biotechnology
- Genomics / Metagenomics / Proteomics
- Environmental / Government
- IT / R&D

HOOD GRADS GO FURTHER

Our alumni work as biostatisticians, research associates, chemists and database architects.

LOCAL CONNECTION

In our region, the Frederick National Laboratory for Cancer Research, the Battelle National Biodefense Institute, the Henry M. Jackson Foundation, the National Institutes of Health and Frederick Biostat Solutions actively employ bioinformatics professionals.



THE HOOD EXPERIENCE

AFFORDABLE

- Our tuition rates are among the lowest in the region.
- We offer numerous funding plans, graduate assistantships and scholarships.
- You may qualify for an annual tuition discount of \$1,000 through our NeighborHOOD Partners Program.

EXPERT FACULTY

- Our distinguished professors are practitioner-based and maintain industry connections in their respective fields.
- Small class sizes and a low student-to-teacher ratio ensure our students receive personalized attention.

DIVERSE AND INCLUSIVE

Our graduate school population comprises more than 1,000 students from 19 states and 25 different countries. We welcome students from all backgrounds, regardless of race, gender or gender identity, age, nationality, socio-economic status or other demographic factors.

CONVENIENT LOCATION

Our scenic campus is located in the heart of historic Frederick, with easy access to shops, restaurants, galleries and more. Our proximity to the I-270/I-70 corridor connects students with the greater metro area, including Baltimore and Washington, D.C.

THE GRADUATE SCHOOL AT HOOD COLLEGE

401 Rosemont Ave.,
Frederick, MD 21701
301-696-3600 or 800-922-1599
gofurther@hood.edu
hood.edu/graduate

APPLICATION DEADLINES

SPRING

December 1 (November 1 for international applicants)

SUMMER I SESSION

May 20 (April 20 for international applicants)

SUMMER II SESSION

June 30 (May 30 for international applicants)

FALL

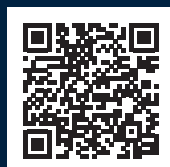
August 15 (July 15 for international applicants)

Rolling admissions accepted year-round.

ARE YOU READY TO GO FURTHER?

The process is fast and easy!

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