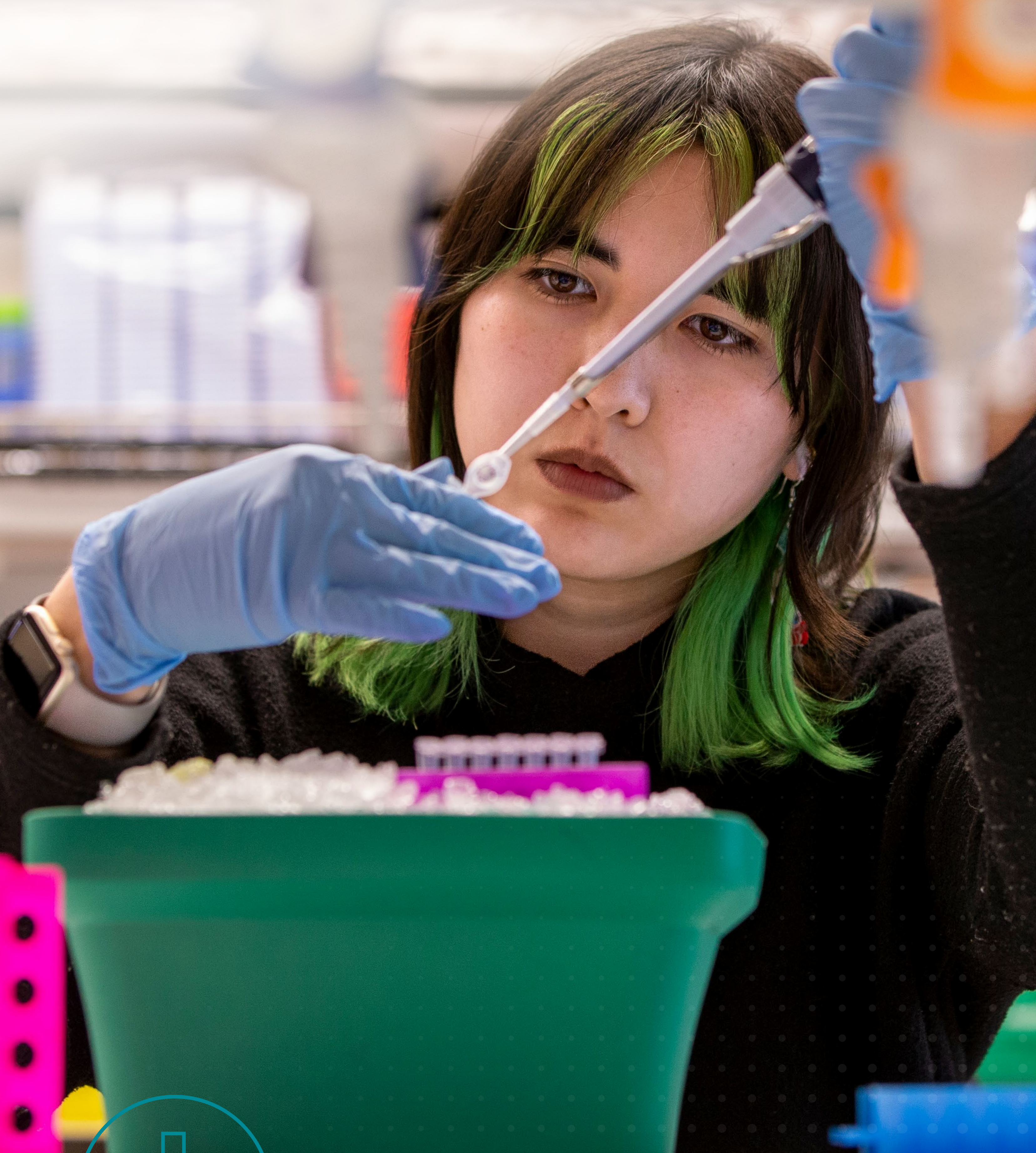




NYU

TANDON SCHOOL
OF ENGINEERING



BIOINFORMATICS

Master of Science



ADVANCE TO THE FOREFRONT OF BIOTECH AND DATA SCIENCE

With extraordinary breakthroughs that have led to new methods of interpreting and treating disease utilizing massive amounts of data, there is a rapidly growing demand for professionals with expertise in molecular biology and big data analysis. In this dynamic master of science program, you will hone your skills in a field that promotes advances in cancer management, vaccine design, agriculture, energy, and other important areas. Learn to employ genomic data and next-generation sequence analysis tools to solve critical biotechnology and pharmaceutical challenges.

- Flexible learning platform featuring live and interactive content
- Mentorship support program available
- 100% online courses

2
CONCENTRATIONS
Specialize in
laboratory science or
translational science

30
CREDITS
Required to
complete the
degree

\$170K
Average U.S.
salary for a
bioinformatics
career



WHY ONLINE EDUCATION?

Flexibility

Receive an NYU Tandon Engineering degree with the flexibility to balance your academic journey with your work schedule

Networking & Support

Benefit from connections with industry experts and leaders, mentorship programs, professional coaching, and more

Timely Knowledge

Our courses are constantly evolving to include information from cutting-edge fields

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CURRICULUM OUTLINE

Required Courses (18 Credits)

- Algorithms and Data Structures for Bioinformatics
- Problem Solving for Bioinformatics
- Biology and Biotechnology for Bioinformatics
- Statistics and Mathematics for Bioinformatics
- Applied Biostatistics for Bioinformatics
- Machine Learning and Data Science for Bioinformatics

Concentration (6 Credits)

- Laboratory Science
 - Proteomics for Bioinformatics
 - Next Generation Sequence Analysis for Bioinformatics
- Translational Science
 - Translational Genomics and Computational Biology
 - Population Genetics and Evolutionary Biology for Bioinformatics

Electives (6 Credits)

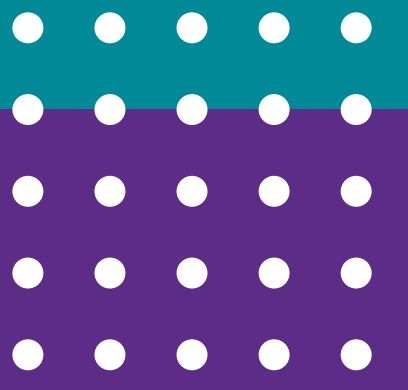
- Transcriptomics
- Special Topics in Informatics in Chemical and Biological Sciences



The reason I applied to NYU was because I was so fascinated with where biology was moving, and that's big data analysis. We learned Perl and Python, and I am now able to create my own scripts, to go through the genomes or whatever I happen to be looking at myself. The bioinformatics program has set me up for where I am now."

Carmen Wickware

Bioinformatics, Master of Science Online,
Graduate Research Assistant at Purdue University,
specializing in applied microbiology



ENGAGE IN UNPARALLELED NETWORKING OPPORTUNITIES

NYU Tandon collaborates with top industry partners to benefit you as a student in bioinformatics. As you become immersed in our award-winning online program and pursue your graduate degree, you will be connected with like-minded professionals from around the world. Our partners include:



JPMORGAN CHASE & CO.

HOW TO APPLY

To be eligible for consideration to any graduate program at NYU Tandon, you must hold a bachelor's degree from a regionally accredited U.S. institution or its international equivalent. Review the application requirements for the Bioinformatics, M.S. and follow all application deadlines.

ADMISSION REQUIREMENTS

Create an account to start a new application.

In addition to your completed application, you will need to submit:

- Transcripts from all colleges or universities attended
- A resume
- A personal statement
- Letters of recommendation
- ~~GRE or GMAT score~~ **WAIVED**
- The application fee

START NOW

grad.engineering.nyu.edu/apply



NYU

**TANDON SCHOOL
OF ENGINEERING**

Digital Learning

tel: 646.997.3623 or 877.503.7659

e: tandon.online@nyu.edu