The Department of Biomedical Informatics at Harvard Medical School offers a Master of Biomedical Informatics (MBI) degree for students who aim for a biomedical career that requires strong data science skills. Students have the opportunity to learn from experts from throughout the Harvard community. Graduates will have an excellent understanding of the fundamentals of the field of biomedical informatics and will be proficient in applying a broad range of approaches, methods, and techniques in their chosen careers.

The program offers two routes to the MBI degree:

**Traditional Master’s Program (48-credit program)**
- For students who hold a bachelor’s degree in Bioinformatics, Bioengineering, Biomedical Engineering, Computer Science, Mathematics, or another related quantitative field

**Accelerated Master’s Program (36-credit program)**
- For students who hold a doctoral degree in a biomedical or related field and recognize the relevance of informatics and data science to their research
- MDs interested in qualifying for the subspecialty in clinical informatics
- Medical students who would like to explore the importance of informatics in the practice of medicine

Both programs provide an intellectual framework for the systematic and sound use of quantitative methods to increase agility with such methods in their respective domains. The programs include an intensive, hands-on boot camp, a range of foundational courses in quantitative and biomedical subjects, as well as courses in emerging areas such as precision medicine, data science, and data visualization. All students are expected to complete a capstone research project and to participate in a longitudinal seminar series.

**Mission**
The practice of clinical care and biomedical investigation each constitute complex enterprises that are increasingly dependent on the mastery of enormous data streams. There is increasing urgency to leverage the rapid advances in genomic science, the near ubiquity of health information technology, and new methods for managing and analyzing large data sets to accelerate biomedical discovery and improve the delivery of health care. Our goal is to equip our students with the knowledge, skills, and experiences needed to engage meaningfully in the field of biomedical informatics.

For more information please visit: informaticstraining.hms.harvard.edu