The George Washington University’s Multidisciplinary Master’s Degree in Molecular Biotechnology

Strong market demand and rapid advances in bioscience have made biotechnology today’s fastest growing, most innovative science industry.

The Science of Biotechnology Innovation
The George Washington University’s Master’s degree in Molecular Biotechnology is the cutting-edge response to the challenges and opportunities in this expanding field with a comprehensive, 39 credit-hour curriculum comprised of bioscience, quantitative biotechnology, informatics and business.

Practical, Real-World Experience
Located in Washington, D.C., the heart of one of the nation’s most dynamic science and technology regions, students are prepared for rewarding careers in small ventures, major corporations, state and federal agencies, and research institutions. Challenging coursework and practical experience provide graduates with a solid foundation for success in the biotechnology and pharmaceutical sectors.
The Business of Science

The GW master’s degree in Molecular Biotechnology is a multi-disciplinary degree encompassing science and business, and one of only a handful of biotechnology graduate programs of its kind. This innovative program involves a rigorous bioscience and biotechnology curriculum combined with a focus on concepts and practices of business innovation in the biotechnology industry.

A number of core courses in science and business were developed specifically for the Molecular Biotechnology program. Selected coursework from GW’s bioscience departments, as well as departments within GW’s medical, business and engineering schools complement the core courses in the curriculum. Instruction is led by both full-time research faculty and by practitioners from relevant corporations, ventures, federal laboratories and agencies.

Up-to-date bioscience and laboratory methods, and study of current biotechnology business cases and policy issues, ensure that our Molecular Biotechnology master’s students graduate with skills and knowledge that are state-of-the-art and relevant.

The GW Molecular Biotechnology master’s degree program aims to:

- **Build** on fundamentals of molecular biology, knowledge of physical principles of devices and computational modeling for the development of new technologies and products.
- **Integrate** scientific and technical expertise with preferred business practices in biotechnology management and innovation.
- **Develop** specialized teamwork and leadership skills in projects focused on new product development and technology venture concept creation.
- **Apply** classroom learning to real projects through relevant internships in local industry, government, and nonprofit entities.
- **Cultivate** an awareness of ethical, policy and management issues specific to the biotechnology industry.
Program at a Glance:

- 39 credit hours.
- Small classes and cohorts.
- Lab-based bioscience and biotechnology coursework.
- Business topics addressing innovation practices in the biotechnology and pharmaceutical industries.
- Degree completion in less than 2 years.
- A growing alumni network of accomplished biotechnology professionals.

For More Information:

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