Welcome to Johns Hopkins’ Master of Science in Biotechnology Program!

Welcome to Johns Hopkins’ Master of Science in Biotechnology Program. We are excited to have you join our program. The program offers students the ability to explore basic science, applied science, lab science, and offers a wide variety of concentrations. The MS in Biotechnology is a 10-course, part-time degree program that can be completed fully online. The program's curriculum prepares students to engage in research, lead lab teams, make development and planning decisions, create and apply research modalities to large projects, and take the reins of management and marketing decisions.

**Course Enrollment:**

We recommend that students register for courses as soon as possible once registration opens. Courses fill up quickly and early registration helps us determine if more course sections are necessary. When registering for courses, be aware that most of the elective courses require prior completion of core courses. For example, to enroll in Microbiology you must have completed 410.601 Biochemistry; 410.602 Molecular Biology; 410.603 Advanced Cell Biology 1. Therefore, we recommend that you begin your studies by fulfilling the core course requirements. See the current course catalog for course prerequisites.

**Electing to Declare a Concentration:**

Students wishing to focus on a specialized discipline within the MS in Biotechnology Program may enroll in one of five concentrations: Biodefense, Bioinformatics, Molecular Targets and Drug Discovery (MTDD), Bioscience Regulatory Affairs, or Biotechnology Enterprise. Biodefense and MTDD concentrations require some onsite course work, including laboratory courses and, therefore, cannot be completed wholly online. To assist your planning of your coursework you can download planning forms for the general format or any of the concentrations at our website.

**Independent Research and Thesis Projects**

There is no independent research project or thesis requirement for this degree. However, we provide the opportunity for students to do an independent research project as one of their electives. This elective course is an option after a student has completed at least eight graduate-level courses and compiled a strong academic record. Students who have completed an independent research project and biostatistics may then apply to complete a thesis. Students will complete two semesters of research and defend their work to the thesis committee. Students that choose this option will complete their degree with at least 11 courses.

**Advisors**

Each student accepted into the program is assigned an academic advisor based on their declared course of study interests. Advising is available year-round. Consultation takes place by phone, email, Internet, or in person by appointment. To see the list of advisors for the general MS in Biotechnology Program and its concentrations please visit our website:

[www.biotechnology.jhu.edu](http://www.biotechnology.jhu.edu)