Regenerative and stem cell technologies have the potential to revolutionize treatments for numerous diseases and health conditions. Students develop the expertise needed to advance in this rapidly growing field with the MS in Regenerative and Stem Cell Technologies program. The program also provides students a chance to collaborate with JHU’s research faculty during a brief lab residency that offers hands-on experience.

The program can be tailored for numerous career goals with electives that span an array of specializations:

- Bioinformatics
- Epigenetics
- Human molecular genetics
- Immunology
- Personalized medicine
- Pharmacology
- Recombinant DNA

This 10-course degree program is thesis-optional, part-time or full-time, and can be completed 95% online. With a one-week lab residency, students find the flexibility needed to meet work and life commitments while preparing to advance in this emerging field.

Admissions Criteria for all Advanced Academic Programs (https://e-catalogue.jhu.edu/arts-sciences/advanced-academic-programs/enrollment-services/admission/)

**PROGRAM SPECIFIC REQUIREMENTS**

To begin this program, you will need a bachelor’s degree from an accredited college or university. The GPA minimum is 3.0 on a 4.0 scale. You must also complete these prerequisites at JHU or another accredited university, earning at least a B in each course. Students who have not completed all the prerequisites may be admitted provisionally to complete the admission requirements.

- Organic Chemistry or 410.302 Bio-Organic Chemistry
- Biochemistry or 410.601 Biochemistry
- Molecular Biology or 410.602 Molecular Biology
- Cell Biology or 410.603 Advanced Cell Biology

The Admissions Committee reserves the right to request additional information from applicants, such as GRE or letters of recommendation, if needed, to assess their candidacy for admission.