

JOHN CARROLL UNIVERSITY

COLLEGE OF HEALTH

BACHELOR OF SCIENCE IN BIOLOGY WITH A CONCENTRATION IN MEDICAL LABORATORY SCIENCES 3+1

IN PARTNERSHIP WITH



Cleveland Clinic

ABOUT THE DEGREE

John Carroll University's Biology program concentrating in Medical Laboratory Sciences offers a dynamic path to becoming a vital Medical Lab Scientist in just four years.

For the first three years, you'll complete essential coursework at JCU, building a strong foundation in biology. In your fourth year, you'll immerse yourself in hands-on learning at the Cleveland Clinic, where you'll complete your elective requirements and gain practical experience. This unique combination of classroom learning and real-world training prepares you for the national certification exam.

Graduating from JCU, you'll enter the workforce with the skills and knowledge to excel as a healthcare professional, ready to make a significant impact in the medical field.

PROGRAM HIGHLIGHTS



Top-Ranked Hospital Experience: Gain experience at the Cleveland Clinic, the #2 hospital in the world, according to Newsweek magazine.



Immersive Training with Medical Professionals: Learn from nationally recognized medical experts and discipline-specific faculty.



Coursework in Advanced Genetics and Medicine: Complete cytogenomics, molecular genetics and transplant medicine coursework.



One-of-a-Kind Patient Case Learning: Gain invaluable experience by working with diverse patient samples and cases typically unavailable in smaller hospitals and hospital-based MLS programs.

MEDICAL LABORATORY
SCIENTISTS CAN MAKE AN

AVERAGE ANNUAL SALARY OF
\$74,100 PER YEAR

Source: ZipRecruiter.com



ADMISSION REQUIREMENTS

While at JCU, Biology students must take the following courses to concentrate in Medical Laboratory Sciences:

- **Principles of Biology I, II, II with labs** (BL1500, BL1505, BL1600, BL1605, BL1700, BL1705)
- **Cell Biology** (BL3010) or **Developmental Biology** (BL3020)
- **Genetics** (BL2130)
- **General Chemistry I and II with labs** (CH1410, CH1430, CH 1420, CH 1440)
- **One BL elective course - Organism to Biosphere**
- **Organic Chemistry I and II with labs** (CH2210, CH2230, CH2220, CH2240)
- **Microbiology** (BL3100) or **Medical Microbiology** (BL4100)
- **Calculus/Analytical Geometry** (MT1350) or **Intermediate Statistics** (DATA2500)
- **Immunology** (BL4710)
- **Statistics for Biological Sciences** (DATA2280)

In addition, students will be required to complete all standard core requirements.

APPLICATION AND ADMISSION PROCESS

Sophomore Year: Request application materials and submit the \$50 application from MLS@ccf.org fee by the end of your second year.

Junior Year: Submit your application with official transcripts to MLS@ccf.org by December 1st. Selected candidates will be invited to interview throughout the year. Ensure all prerequisite coursework is complete by the end of your junior year.

Senior Year: Acceptance letters are sent by mid-January. The program starts in July of your senior year. Grades are reported back to JCU for graduation.



Learn more about
John Carroll University's
Medical Laboratory
Sciences program:

