



Thomas Jefferson University
College of Health Professions
Department of Medical Laboratory Sciences & Biotechnology
Prerequisite Checklist—BS and MS Programs

Medical Laboratory Science (MLS), Biotechnology (BT), Cytotechnology and Cell Sciences (CT)

Prerequisite Course Requirements	Semester Credits	Notes	Completed/Grade	School Attended	Date To Be Completed
Chemistry I w/ Lab	4				
Chemistry II w/ Lab	4				
Biology I w/ Lab	4				
Biology II w/ Lab	4				
Anatomy & Physiology I w/ Lab	4	Required for MLS and CT programs only			
Anatomy & Physiology II w/ Lab	4				
Other Sciences w/ Lab* : Organic Chemistry (preferred but not required), Biochemistry, Genetics, Microbiology, Molecular Bio, Cell Bio, Immunology, Environmental Science, Physics, A&P I, A&P II, or upper-level Chemistry.	12	Required for BT program only			
Other Sciences w/ Lab* : Organic Chemistry, Molec Bio, Immunology, Biochem, Cytogenetics, Microbiology, or Analytical Chemistry. MLS only: Physics	4	Required for MLS and CT program only			
Statistics	3				
English or Writing Intensive	6				
General/Free Electives**					
1 year BS	33				
2 year BS	18				
BS/MS & 3+2 partnership	45				
All MS options	N/A				

Prerequisite Coursework Requirements:

- All prerequisite courses are required to be completed at a regionally accredited institution before enrolling at Jefferson.
- The majority of prerequisite courses should be completed at time of application.
- Prerequisite courses are required to be completed with a grade of “C” or above.
- Non-science prerequisite credit can be earned through standardized tests such as AP, IB, and CLEP.
- Credits are calculated on a semester scale; if courses are taken on a quarter scale, they may not be equivalent. Please contact your admissions counselor with any questions.

*The following Physical/Life and Other Sciences must be completed within 10 years of enrollment to Jefferson: Microbiology, Molecular Bio, Cell Bio, Immunology, and Genetics. Additional courses may be considered to satisfy these requirements. Please contact your admissions counselor with any questions.

**Acceptable elective courses are theory-based—not performance-based—coursework. We will not accept coursework that is remedial or review in nature, or courses taken as Pass/Fail. Coursework may include Arts, Humanities, Social Science, Foreign Languages, Science, Business, Math and History.