The graduate program in Molecular Microbiology & Microbial Pathogenesis focuses on cutting-edge approaches to understanding the basic biology of microbes, their interaction with the environment, and in the case of pathogens, the disease they cause.

Major areas of research include microbial physiology, environmental microbiology and microbial pathogenesis with an emphasis on mechanisms on virulence and host-pathogen interactions. Washington University in St. Louis is ideally suited for training and research in molecular microbiology by virtue of its interdisciplinary graduate program and highly interactive collaborative environment.
Molecular Microbiology & Microbial Pathogenesis

Required Courses
- Fundamentals of Molecular Cell Biology
- Nucleic Acids & Protein Biosynthesis
- Molecular Microbiology & Pathogenesis
- Graduate Research Fundamentals
- Ethics & Research Science
- Special Topics in Microbial Pathogenesis
- Special Topics Courses and Journal Clubs

Advanced Electives
- Biotech Industry Innovators
- Immunobiology I
- Immunobiology II
- Principles and Applications of Biological Imaging
- Molecular, Cell and Organ Systems
- Macromolecular Interactions
- Molecular Foundations of Medicine
- Developmental Biology
- Chemistry and Physics of Biological Molecules
- Modeling Biomolecular Systems I & II
- Genomics
- Advanced Genetics
- Computational Molecular Biology
- Fundamentals of Computer Science

APPLICATION DEADLINE
DECEMBER 1

EXPLORE & APPLY:
tinyurl.com/dbbstour

For more information about the MOLECULAR MICROBIOLOGY & MICROBIAL PATHOGENESIS program and faculty research:
tinyurl.com/dbbs-mmmpfaculty

dbbs-info@email.wustl.edu  facebook.com/wustldbbs  @WUSTLdbbs

Program Benefits & Support
- Full tuition funding and benefits*, including:
  generous stipend | travel funds for scientific meetings | health, life, and disability insurance coverage
- Opportunities to obtain nationally competitive fellowships, awards, and grants
- Free Metro U-Pass to travel in and around the St. Louis area
- Access to all university educational, entertainment, and recreational resources

*guaranteed, provided that satisfactory progress towards completion of degree requirements is met

DBBS celebrates diversity in all of its forms.
We invite all students to apply, especially those from backgrounds historically underrepresented in the sciences, such as African, Latin, and Native Americans, those with disabilities, and individuals from low-income backgrounds.

To learn more about DBBS' diversity initiatives, visit: https://tinyurl.com/dbbsdiversity