Microbiology, PhD

This program focuses on the smallest of living things and immunology. Tailor the program around your interests, and gain skills in contemporary approaches used in microbiology, biomedicine and biotechnology.

Program Description

Degree Awarded: PHD Microbiology
The PhD program in microbiology offers a dynamic research environment; a broad range of basic, translational and use-inspired research areas; cutting-edge transdisciplinary training; and opportunities to work with world-class faculty and collaborative research partners committed to training scientific leaders with skills necessary for addressing significant global microbiological problems and challenges.

Faculty members are associated with the School of Life Sciences, The Biodesign Institute, The Translational Genomics Institute, Barrow Neurological Institute, and other area hospitals and research centers.

At a Glance

- **College/School:** The College of Liberal Arts and Sciences
- **Location:** Tempe campus

Degree Requirements

84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation
Required Core (4 credit hours)
BIO 610 Introduction to Responsible Conduct of Research in Life Sciences (1)
MIC 501 Foundations in Microbiology (3)

Electives or Research (68 credit hours)

Culminating Experience (12 credit hours)
MIC 799 Dissertation (12)

Admission Requirements

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in the biological sciences, biochemistry or a closely related field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

Applicants must submit the following:

1. graduate admission application and application fee
2. official transcripts
3. academic record form
4. personal statement
5. curriculum vitae or resume
6. three letters of recommendation
7. proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

Prior research experience is a desired qualification for admission.

Career Opportunities

This program provides intense and interactive educational and research training that prepares students for advanced careers in research and education, specifically in bacteriology, virology, mycology, immunology and oncology at universities and colleges, government agencies and industry.
Career possibilities are diverse with opportunities in academic organizations, research and development industries, government service, and other professional organizations.

Career examples include:

- instructors in universities and colleges
- principal investigators in government labs and nonprofit organizations
- professors in universities and colleges
- research associates in universities
- research scientists in industry

**Contact Information**

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