University of Wisconsin Whitewater | School *of* Graduate Studies

MASTER OF SCIENCE IN APPLIED BIOTECHNOLOGY

"When I was in my undergrad, the Human Genome Project wasn't finished. Now it's old hat: we can sequence things in a matter of hours. So a lot of the technologies have really changed, and that course allowed me to get up to speed on those."
Shelley Nevins, recent graduate

The field of Biotechnology is expanding every year

The Master of Science in Applied Biotechnology is a collaborative partnership of the University of Wisconsin-Whitewater, University of Wisconsin Extended Campus, and six other University of Wisconsin campuses.

The program represents a comprehensive, multidisciplinary curriculum that prepares students to advance their careers and pursue their academic ambitions through leadership and management positions within the growing biotechnology field. Defined core courses provide students with a solid foundation in biotechnology, leadership, ethics, research, communications, product development, quality control, and regulatory and compliance practices. In addition, the program offers three unique tracks to assist students in tailoring their coursework to meet their career goals: quality assurance and compliance; business management; and research and development. Students will develop advanced knowledge and skills that will enable them to serve an important function and role within the biotechnology workforce.

Admission Requirements

The GMAT or GRE are not required.

- A bachelor's degree from an accredited university and a minimum grade point average (GPA) of 3.0. Students with a GPA less than 3.0 may be considered for provisional admission and should contact an enrollment adviser for more information.
- Official college transcripts.
- Prerequisite coursework: two semesters college-level lab coursework in biology and/or chemistry. To satisfy the prerequisite you must have completed either two semesters of biology, two semesters of chemistry, or one semester each of biology and chemistry, and all coursework must have a lab component.
- Your resume.
- Two letters of recommendation.
- A personal statement of up to 1,000 words describing your motivation to pursue this degree and what you will bring to the biotechnology field.

uww.edu/online/masters/ biotechnology

For More Information: uww.edu/gradstudies • (262) 472-1006 • grad@uww.edu
School of Graduate Studies, UW-Whitewater RS 2013, 800 W. Main Street Whitewater, WI 53190

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Curriculum

CORE COURSES
ABT 700 Principles of Biotechnology
ABT 705 Ethics, Safety, and Regulatory Environments in Biotechnology
ABT 710 Professional and Technical Communication in Biotechnology
ABT 715 Techniques in Biotechnology
ABT 720 Experimental Design and Analysis in Biotechnology
ABT 725 Leadership in Organizations
QUALITY ASSURANCE AND COMPLIANCE TRACK
ABT 735 Quality Control and Validation
ABT 740 Regulatory Compliance and Regulation
ABT 745 Industrial Applications in Regulatory Affairs
BUSINESS MANAGEMENT TRACK
ABT 755 Biotechnology Marketing and Entrepreneurship
ABT 760 Global Operations and Supply Chain Management
Quality and Project Management
RESEARCH AND DEVELOPMENT TRACK
ABT 765 Assessing Innovation in Biotechnology
ABT 770 Product Development
ABT 775 Tools for Data Analysis
CAPSTONE COURSES
ABT 789 PRE-CAPSTONE
ABT 790 CAPSTONE

APPLIED BIOINFORMATICS CERTIFICATE

Admission Requirements

- Bachelor's degree from an accredited university (min. 3.0 GPA)
- Prerequisite coursework: One semester college-level biology with lab Students in the M.S. in Applied Biotechnology program may choose to earn the certificate as an additional credential.

Curriculum

This certificate focuses on the specialized skills and knowledge required in bioinformatics through four courses, completed entirely online. It is possible to earn your certificate within one year; however, based on work and life commitments, you may decide to take longer.

- ABT 720 Experimental Design and Analysis in Biotechnology
- ABT 730 Python for Bioinformatics
- ABT 780 Bioinformatic Inquiry
- ABT 785 Applications of Bioinformatics

Total units 12