

# Fundamentals of Biotechnology Certificate

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The Fundamentals of Biotechnology Graduate Certificate will provide students with a foundation in biotechnology principles and techniques, and application of biological and chemical methods to modern biotechnological product development. Students will also learn principles of statistics, experimental design, data analysis, and bioinformatic evaluation of complex data sets. The curriculum consists of three, three-credit, 100% online courses (students are not required to be enrolled in the MS ABT degree program)

Code	Title	Credits
Certificate		9
Required courses:		
ABT 700	Principles of Biotechnology	
ABT 715	Techniques in Biotechnology	
ABT 720	Experimental Design and Analysis in Biotechnology	
<b>Total Credits</b>		<b>9</b>

## Admission Requirements

The Office of Graduate Studies sets minimum standards for admission requirements to all graduate programs. Please consult this section of the catalog (<https://catalog.uwgb.edu/graduate/general-information/admissions/requirements/>) to review requirements for admission, including the official transcripts you must submit.

In addition to the minimum requirements, this program also requires the following:

- Bachelor's degree in any discipline.
- A minimum of a 3.0 grade point average (GPA) based on a 4.0 scale.
- Prerequisite coursework: two semesters of college-level laboratory courses in biology and/or chemistry. All courses must include a laboratory component. This requirement can be met in one of the following ways: two semesters of biology with lab; two semesters of chemistry with lab; or one semester of biology with lab and one semester of chemistry with lab.
- If you **do not meet the minimum admission requirements**—such as having a GPA below 3.0 or are missing prerequisite coursework—you will need to submit **two letters of recommendation**. These can be: **Professional** (a workplace colleague or supervisor) or **Academic** (former professor or academic advisor)
- Personal statement up to 1,000 words describing your motivation to pursue this degree.
- International students should consult the Office of Graduate Studies requirements for all international applicants in the front of the catalog (<https://catalog.uwgb.edu/graduate/general-information/admissions/international-applicants/>).

Note: Students who are already in the Applied Biotechnology degree program do not need to apply. You may fill out a form, instead, Graduate Certificate Declare Form (<https://www.uwgb.edu/graduate/student-resources/forms/>).

### Progress to Completion

1. Candidate applies to this certificate program by submitting the appropriate materials.
2. Candidate is admitted to the certificate program by the UWGB Program Chair.
3. Student fulfills the program course requirements.
4. Students completing a graduate degree program at UWGB will have the certificate posted to their transcripts upon conferral of their graduate degree.

NOTE: Graduate students who are already admitted to a degree program who wish to be enrolled in a certificate aligned with the degree are able to submit a Graduate Certificate Declaration form (<https://www.uwgb.edu/graduate/student-resources/forms/>) in lieu of this admission process (steps 1 and 2 above).