APPLIED BIOINFORMATICS, GRADUATE/ PROFESSIONAL CERTIFICATE

The Graduate/Professional Certificate in Applied Bioinformatics is a companion certificate to the established collaborative online MS in Applied Biotechnology (http://guide.wisc.edu/graduate/cell-regenerative-biology/applied-biotechnology-ms/). All courses are presented fully online asynchronous format by instructors from seven UW campuses.

All students enrolled in MS in Applied Biotechnology are eligible to add the Graduate/Professional Certificate in Applied Bioinformatics to their coursework. The courses in the Graduate Certificate in Bioinformatics may be taken concurrently with other MS in Applied Biotechnology courses. The Certificate courses may not take the place of the track courses (QA/Regulatory, R&D, Business) within the MS in Applied Biotechnology program.

ADMISSIONS

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This graduate/professional certificate in Applied Bioinformatics is only for degree-seeking graduate students enrolled in the MS in Applied Biotechnology program.

Applications are accepted year-round.

- Applications are accepted for fall through July 15
- Applications are accepted for spring through December 15
- Applications are accepted for summer through April 15

Incoming Applied Biotechnology MS students may apply to the Applied Bioinformatics certificate.

Students enrolled in the MS in Applied Biotechnology program who are in good standing with the program (average GPA 3.0 or greater) may add the Applied Bioinformatics graduate certificate to their coursework.

To declare the certificate, please contact the program advisor listed under "Contact Information".

All Graduate School students must utilize the Graduate Student Portal in MyUW to add, change, or discontinue any graduate/professional certificate. To apply to this certificate, log in to MyUW, click on Graduate Student Portal, and then click on Add/Change Programs. Select the information for the certificate for which you are applying.

FUNDING

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Students enrolled in the Graduate/Professional Certificate in Applied Bioinformatics as part of their MS in Applied Biotechnology Program are eligible for federal financial aid.
Students enrolled in the Graduate/Professional Certificate in Applied Bioinformatics program are not permitted to accept any research, project, or teaching assistantship positions that would waive tuition or provide tuition remission.

Students are encouraged to contact the Office of Student Financial Aid (https://financialaid.wisc.edu/) to discuss federal loan programs and other lending opportunities. Students should also reach out to their companies to ask about continuing education and professional development support.

REQUIREMENTS

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Minimum Residence Credits: 12

All of the graduate/professional certificate credits must be earned "in residence" (which includes distance-delivered courses) at UW-Madison.

- Students must earn a B (minimum GPA of 3.00) or above on all graduate/professional certificate coursework.
- Courses in which a student elects the pass/fail option will not count toward completion of requirements.

REQUIRED COURSES

Code	Title	Credits
ABT 720	Experimental Design and Analysis in Biotechnology	3
ABT 730	Python for Bioinformatics	3
ABT 780	Bioinformatic Inquiry	3
ABT 785	Application of Bioinformatics	3
Total Credits		**12**

POLICIES

GRADUATE SCHOOL POLICIES

The Graduate School's Academic Policies and Procedures (https://grad.wisc.edu/acadpolicy/) provide essential information regarding general university policies. Program authority to set degree policies beyond the minimum required by the Graduate School lies with the degree program faculty. Policies set by the academic degree program can be found below.

PROFESSIONAL DEVELOPMENT

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GRADUATE SCHOOL RESOURCES

Take advantage of the Graduate School's professional development resources (https://grad.wisc.edu/pd/) to build skills, thrive academically, and launch your career.

LEARNING OUTCOMES

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1. Demonstrate professional and scientific communication appropriate for biotechnology settings
2. Evaluate diverse analytical methods and technologies and their applications in bioinformatics
3. Demonstrate comprehensive understanding of organizational processes and product development pipelines and the data generated throughout

PEOPLE

PEOPLE

The Graduate Certificate in Bioinformatics is an enhancement to the MS in Applied Biotechnology Program. Courses are taught in collaboration by faculty from seven University of Wisconsin campuses: UW–Green Bay, UW–Madison, UW–Oshkosh, UW–Parkside, UW–Platteville, UW–Stevens Point, and UW–Whitewater.

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- Professor, School of Medicine and Public Health

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- Academic Director for the UW–Madison online MS in Applied Biotechnology
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