

# BIOTECHNOLOGY ENTERPRISE, CERTIFICATE

## Graduate Certificate in Biotechnology Enterprise

The Graduate Certificate in Biotechnology Enterprise program is designed to complement students' pre-existing scientific knowledge to help them bring scientific discoveries to the wider public. Students will gain a solid understanding of the enterprise and entrepreneurial skills needed in a successful biotechnology enterprise.

This certificate consists of five graduate-level courses and is a flexible option for working professionals looking to enhance their skill set.

**Please note that this entry is for currently enrolled students only.** The Graduate Certificate in Biotechnology Enterprise program is not currently accepting new students.

## Admissions Criteria for All Advanced Academic Programs (<https://e-catalogue.jhu.edu/arts-sciences/advanced-academic-programs/Admission/#admissionrequirements>)

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## Program Requirements

Students pursuing the Graduate Certificate in Biotechnology Enterprise must complete five courses:

- Two customizable core courses
- Three electives

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Code	Title	Credits
<b>Core Courses - Customizable</b>		
Select two of the following:		8
AS.410.643	Managing and Leading Biotechnology Professionals	
AS.410.644	Marketing Aspects of Biotechnology	
AS.410.680	Finance for Biotechnology <sup>1</sup>	
<b>Electives</b>		
Select three of the following:		12
AS.410.607	The Biotechnology Enterprise	
AS.410.627	Translational Biotechnology: From Intellectual Property to Licensing <sup>1</sup>	
AS.410.637	Bioethics	
AS.410.643	Managing and Leading Biotechnology Professionals	
AS.410.644	Marketing Aspects of Biotechnology	

AS.410.645	Biostatistics <sup>1</sup>	
AS.410.646	Creating a Biotechnology Enterprise	
AS.410.647	Research Ethics	
AS.410.649	Introduction to Regulatory Affairs	
AS.410.651	Clinical Development of Drugs and Biologics <sup>1</sup>	
AS.410.665	Bioscience Communication	
AS.410.684	Technology Transfer & Commercialization	
AS.410.687	Ethical, Legal & Regulatory Aspects of the Biotechnology Enterprise	
AS.410.688	Project Management in Biotechnology	
AS.410.689	Leading Change in Biotechnology	
AS.410.704	Social Entrepreneurship in BioScience	
AS.410.732	Funding a New Venture	
AS.410.756	Grants and Federal Funding for Biotechnology Enterprises	
<b>Total Credits</b>		<b>20</b>

<sup>1</sup> Also counts as science elective

See course requirements in the Center for Biotechnology Education ([https://e-catalogue.jhu.edu/course-descriptions/\\_biotechnology/](https://e-catalogue.jhu.edu/course-descriptions/_biotechnology/)).