

# M.S. in Applied Biotechnology

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## Area of Emphasis

Students must complete requirements in one of the following areas of emphasis:

- Business Management
- Quality Assurance and Compliance
- Research and Development

## Business Management

Code	Title	Credits
<b>Core Courses</b>		<b>18</b>
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	
<b>Emphasis Courses</b>		<b>9</b>
ABT 750	Biotechnology Marketing and Entrepreneurship	
ABT 755	Global Operations and Supply Chain Management	
ABT 760	Quality and Project Management	
<b>Capstone</b>		<b>4</b>
ABT 789	Pre-capstone	
ABT 790	Capstone	
<b>Total Credits</b>		<b>31</b>

## Quality Assurance and Compliance

Code	Title	Credits
<b>Core Courses</b>		<b>18</b>
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	
<b>Emphasis Courses:</b>		<b>9</b>
ABT 735	Quality Control and Validation	
ABT 740	Regulatory Practice and Compliance	
ABT 745	Industrial Applications in Regulatory Affairs	
<b>Capstone</b>		<b>4</b>
ABT 789	Pre-capstone	
ABT 790	Capstone	
<b>Total Credits</b>		<b>31</b>

## Research and Development

Code	Title	Credits
<b>Core Courses</b>		<b>18</b>
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	
<b>Required Courses</b>		<b>9</b>
ABT 765	Assessing Innovation in Biotechnology	
ABT 770	Product Development	
ABT 775	Tools for Data Analysis	
<b>Capstone</b>		<b>4</b>
ABT 789	Pre-capstone	
ABT 790	Capstone	
<b>Total Credits</b>		<b>31</b>