

**ABOUT THE BS in BIOTECHNOLOGY**

The Biotechnology major is designed to prepare students for professional careers in the biotechnology and biomedical industries in the areas of research and development, quality control, processing, operations, and technical support.

## REVIEW YOUR PROGRAM REQUIREMENTS

**INTRODUCTION Requirement: (2 credits)**

Course	Semester	Credits	Grade
BTC 102	Spring_____	1	
URI 101		1	

**BIOLOGY Requirement: (8 credits)**

Course	Semester	Credits	Grade
*BIO 101		3	
*BIO 103		1	
*BIO 102		3	
*BIO 104		1	

**CHEMISTRY Requirement: (12 credits)**

Course	Semester	Credits	Grade
*CHM 101		3	
CHM 102		1	
CHM 112		3	
CHM 114		1	
CHM 124		3	
CHM 126		1	

**MATH Requirement: (6-8 credits)**

Select 1 from the following sequenees:

Course	Semester	Credits	Grade
*MTH 103/111		3	
*MTH 131/141		3/4	
OR			
*MTH 131/141		3/4	
STA 307/308/409		3/4	

**PHYSICS Requirement: (4 credits)**

Course	Semester	Credits	Grade
*PHY 111		3	
*PHY 185		1	

\*Course approved for general education.

Minimum 2.3 cumulative GPA required in major for graduation.

Minimum overall 2.0 cumulative GPA required for graduation.

**CMB and BTC Course Requirements: (39 credits)**

Course	Semester	Credits	Grade
BTC 210	Fall _____	3	____
BTC 212	Fall _____	2	
*CMB 190		3	
*CMB 211		4	
CMB 311		3	
CMB 333 or 334		3	
BTC 405	Fall _____	3	
CMB/BIO 437	Spring _____	3	
BTC 295	Spring _____	5	
BTC 302	Spring _____	1	
BTC 402	Fall _____	2	
CMB/BIO 352		4	
CMB/BIO 341		3	

**Professional Electives (12 credits):**

Required 12-credits of professional electives taken from any 300-level or higher CMB, BIO, BPS and STA 307, 308, or 409 (if not taken as part of math requirement)

Course	Semester	Credits	Grade

**Biotechnology Experiential Learning \*\***

Course	Semester

\*\*All students are required to complete at least 1 research, internship or experiential education opportunity prior to graduation. Any practicum/independent study course code in: BTC, CMB, BPS, BIO, CHM, CHE, PLS, and ITR



# B.S in Biotechnology (2026-2027 Catalog)

Class of 2030

Requirements by Semester Sequence (for students without prior credits)

For course titles and pre-requisite information, please visit: [uri.edu/catalog](http://uri.edu/catalog)

<b>Fall</b>	<b>Spring</b>	<b>Milestones</b>
<b>Year One</b>		
BIO 101* and 103*, 3+1 cr	BIO 102 and 104, 3+1 cr	Complete BIO, CHM, MTH pre-reqs
CHM 101* and 102, 3+1 cr	CHM 112 and 114, 3+1 cr	Major GPA of 2.3 or higher
MTH 103*, 3 cr; or MTH 131, 3 cr.	MTH 131*, 3 cr or STA 308, 4 cr.	
CMB 190*, 3 cr	BTC 102, 1 cr	Complete $\geq$ 30 cr.
URI 101, 1 cr	*General Education choice, 3 or 4 cr.	
<b>15 cr.</b>	<b>15 - 16 cr</b>	

<b>Year Two</b>		
BTC 210 and 212, 3+2 cr	BTC 295, 5 cr	Complete CHM, PHY pre-reqs
CHM 124 and 126, 3+1 cr	BTC 302, 1 cr	Complete CMB 211 and 311
CMB 211*, 4 cr	CMB 311, 3 cr	Major GPA of 2.3 or higher
*General Education choice, 3 or 4 cr.	PHY 111* and 185*, 3+1 cr	Complete $\geq$ 60 cr.
	*General Education choice, 3 or 4 cr	
<b>16 -17 cr.</b>	<b>16 - 17 cr.</b>	

<b>Year Three and Four (15-16 cr each semester)</b>		
BTC 402, 2 cr	BTC 405, 3 cr	Complete 12 credits professional electives
CMB 333 or 334, 3 cr	BIO/CMB 341, 3 cr	
BIO/CMB 352, 4 cr	BIO/CMB 437, 3 cr	Complete remaining professional requirements
*General Education choice, 3/4 cr	*General Education choice, 3/4 cr	Biotechnology Experiential Learning**
*General Education choice, 3/4 cr	*General Education choice, 3/4 cr	
*General Education choice, 3/4 cr	*General Education choice, 3/4 cr	Maintain Major GPA of 2.3 or higher,
Professional Elective, 1 - 4 cr	Professional Elective, 1 - 4 cr	Cumulative GPA of 2.0 or higher
Professional Elective, 1 - 4 cr	Professional Elective, 1 - 4 cr	Complete $\geq$ 120 cr. for graduation

\*\*All students are required to complete at least 1 research, internship or experiential education opportunity prior to graduation. Any practicum/independent study course code in: BTC, CMB, BPS, BIO, CHM, CHE, PLS, and ITR

*Note: This plan is not intended to be prescriptive. Credits in transfer, summer or winter-term coursework, or overlap between general education and professional electives may result in deviations from the above recommendations.*