

Cellular Molecular Biology Roadmap

Program	Bachelor of Science: Cellular & Molecular Biology (application of molecular tools to human health and the environment)
Total Credits	120
Catalog	2021-2022

The plan below is **one** of several possible ways for you to complete this degree.

Your individualized plan may look different if you have already fulfilled some requirements.

Your Financial Aid Award may require additional term credits for full-time funding.

You must complete all university and program requirements successfully to complete this degree (GPA, 120 credits, LASC, WI, residency)

Curriculum	Course	Course Title	Credits	Take When	Total Credits
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120

1st Year: Fall 2021 - Spring 2022

Core Requirement:	LASC 3	BIOL 115/115L	Organismal Biology + Lab	4	1st Fall	12
Related Requirement:	LASC 3	CHEM 150/150L	General Chemistry I + Lab	4	1st Fall	
Related Requirement:	LASC 4	MATH 127	College Algebra	3	1st Fall	
	First-Year Experience Course	FYE 101	First Year Experience	1	1st Fall	
Core Requirement:	LASC 3	BIOL 111/111L	Cell Biology + Lab	4	1st Spring	17
Related Requirement:	LASC 3	CHEM 210/210L	General Chemistry II + Lab	4	1st Spring	
Related Requirement:	LASC 4	MATH 143	Trigonometry	3	1st Spring	
	LASC 6			3	1st Spring	
	LASC 8	BIOL 248	Introduction to Public Health	3	1st Spring	

Summer 2022

Related Requirement:	CHEM 350	Organic Chemistry I (online)	3		3
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2nd Year: Fall 2022 - Spring 2023

Core Requirement:		BIOL 341/341L	Genetics + Virus Hunters II Lab	4	2nd Fall	15
Core Requirement:		BIOL 360	Cell & Molecular Physiology + Lab	4	2nd Fall	
Related Requirement:		CHEM 400/405	Biochemistry I + Lab	4	2nd Fall	
	LASC 5/WI			3	2nd Fall	
Core Requirement:		BIOL 385/385L	Molecular Biology + Lab	4	2nd Spring	14
Core Requirement:		BIOL 275	Quantitative Biology	4	2nd Spring	
	LASC 5			3	2nd Spring	
	LASC 6/WI	BIOL 406	DNA as Destiny	3	2nd Spring	

3rd Year: Fall 2023- Spring 2024

Restricted Elective:		BIOL 323/323L	Human Anatomy + Lab	4	3rd Fall	14
Core Requirement:		BIOL 350/350L	Microbiology + Lab	3	3rd Fall	
Related Requirement:	LASC 3	PHYS 160	Physics I with Algebra + Lab	4	3rd Fall	
	LASC 1B	ENGL 101	English Composition	3	3rd Fall	
Related Requirement:	LASC 3	PHYS 161	Physics II with Algebra + Lab	4	3rd Spring	16
Restricted Elective:		BIOL 402	Animal Behavior	3	3rd Spring	
Restricted Elective:		CHEM 410	Biochemistry II	3	3rd Spring	
	LASC 7			3	3rd Spring	
	LASC 9			3	3rd Spring	

4th Year: Fall 2024 - Spring 2025

	LASC 1A	COMM 100	Speech Communication	4	4th Fall	15
Restricted Elective:	WI	BIOL 365/365L	Developmental Biology + Lab	3	4th Fall	
Core Requirement:		BIOL 478	Research Design	3	4th Fall	
Restricted Elective:		BIOL 455	Wildlife Ecology	4	4th Fall	
Core Requirement:		BIOL 497	Research in Biology	1	4th Fall	14
Core Requirement:		BCBT 46x	BCBT Biotechniques course	3	4th Spring	
Core Requirement:	WI for major	BIOL 430	Immunobiology + Lab	4	4th Spring	
Restricted Elective:		BIOL 311	Neurobiology	4	4th Spring	