

Program	Bachelor of Science: Biology with an emphasis in Medical and Cellular Biology
Total Credits	120
Catalog	2022-2023

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	Notes	Course	Course Title	Credits	Take When	Total Credits
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120

1st Year

Core Requirement:	LASC Goal 3: Natural Sciences w/Lab	BIOL 115/115L	Organismal Biology	4	1st Fall	15
Related requirement:	LASC Goal 3: Natural Sciences w/L:	1 CHEM 150/150L	General Chemistry I + Lab	4	1st Fall	
Related requirement:	LASC Goal 4: Math/Logical Reasoni	2 MATH		3	1st Fall	
	LASC Goal Elective	3		3	1st Fall	
	First-Year Experience Course	FYE 101	First Year Experience	1	1st Fall	
Recommended/Optional:			Athletics/music/minor or second major requirement			
Core Requirement:	LASC Goal 3: Natural Sciences w/Lab	BIOL 111/111L	Cell Biology	4	1st Spring	14
Core Requirement:	LASC Goal 3: Natural Sciences w/L:	1 CHEM 210/210L	General Chemistry II + Lab	4	1st Spring	
	LASC Goal 1B: Written Communication	ENGL 101	English Composition	3	1st Spring	
	LASC Goal Elective			3	1st Spring	
Recommended/Optional:			Athletics/music/minor or second major requirement			

2nd Year

Core Requirement:		BIOL 341/341L	Genetics + Lab	4	2nd Fall	14
Core Requirement:		CHEM 350	Organic Chemistry I	3	2nd Fall	
Core Requirement:		CHEM 355	Organic Chemistry II Lab	1	2nd Fall	
Related requirement:	LASC Goal 4: Math/Logical Reasoni	2 MATH		3	2nd Fall	
	LASC Goal 1A: Oral Communication	COMM 100	Speech Communication	3	2nd Fall	
Recommended/Optional:			LA Seminar/research/athletics/music/minor or second major r		2nd Fall	
Core Requirement:		BIOL 349/349L	Human Physiology + Lab	4	2nd Spring	15
Core Requirement:		CHEM 360	Organic Chemistry II	3	2nd Spring	
Core Requirement:		CHEM 365	Organic Chemistry II Lab	1	2nd Spring	
Core Requirement:		BIOL 275	Quantitative Biology	4	2nd Spring	
	LASC Goal Elective			3	2nd Spring	
Recommended/Optional:			LA Seminar/research/athletics/music/minor or second major r		2nd Spring	

3rd Year

Restricted Elective:		BIOL 350/350L	Microbiology + Lab	4	3rd Fall	16
Related Requirement:	LASC Goal 3: Natural Sciences w/L:	4 PHYS 160/160L	College Physics I + Lab	4	3rd Fall	
	LASC Goal WI Elective			3	3rd Fall	
	LASC Goal Elective			3	3rd Fall	
Recommended/Optional:		BIOL 470	Teaching Assistant	1	3rd Fall	
Recommended/Optional:		5 BIOL 497	Research in Biology	1	3rd Fall	
Recommended/Optional:			LA Seminar/research/athletics/music/minor or second major r		3rd Fall	
Restricted Elective:		6 BIOL		4	3rd Spring	16
Related Requirement:	LASC Goal 3: Natural Sciences w/L:	4 PHYS 161/161L	College Physics II + Lab	4	3rd Spring	
	LASC Goal Elective			3	3rd Spring	
	LASC Goal WI Elective			3	3rd Spring	
Recommended/Optional:		5 BIOL 497	Research in Biology	2	3rd Spring	
Recommended/Optional:			LA Seminar/research/athletics/music/minor or second major r		3rd Spring	

4th Year

Recommended/Optional:			National/International Student Exchange Semester		4th Fall	14
Restricted Elective:		4 BIOL		4	4th Fall	
Restricted Elective:		4 BIOL		4	4th Fall	
	LASC Goal WI Elective			3	4th Fall	
Recommended/Optional:		55 BIOL 497	Research in Biology	3	4th Fall	
Recommended/Optional:			LA Seminar/research/athletics/music/minor or second major r		4th Fall	
Restricted Elective:		4 BIOL		4	4th Spring	16
	LASC Goal Elective			3	4th Spring	
Recommended/Optional:		5 BIOL 469	Internship in Biology	3	4th Spring	
Upper Level Elective:				3	4th Spring	
Upper Level Elective:				3	4th Spring	
Recommended/Optional:			LA Seminar/research/athletics/music/minor or second major r		4th Spring	

Notes:

- 1 Chem 275 can be taken in place of either general chemistry lab and counts as a LASC 2. Students in LC will either take Biol 100 or Chem 275.
- 2 Math courses depend on initial placement. Trig or Pre-calc is a pre-requisite to take Physics 160.
- 3 Make sure to consult the LASC policy and take a minimum of 40 credits of LASC courses. Some LASC courses double count, making room to add a minor or second major
- 4 If you have taken, or are concurrently enrolled in calculus, PHYS 200 and 201 are recommended.
- 5 Research and/or internship credits are recommended. A maximum of three credits each may count towards restricted electives.
- 6 Courses must be selected from two lists of restricted BIOL and BCBT courses. Additional courses recommended for pre-med and pre-professional students.