

Health and Medical Sciences Roadmap

Program	Bachelor of Science: Biology: Health and Medical Sciences (pre-med, pre-physician's assistant)
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	Course	Course Title	Credits	Take When	Total Credits
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120

1st Year

Core Requirement:	LASC 3	BIOL 115/115L	Organismal Biology	4	1st Fall	15
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	
	LASC 5	PSY 113	General Psychology	3	1st Fall	
	First-Year Experience Course	FYE 101	First Year Experience	1	1st Fall	
Core Requirement:	LASC 3	BIOL 111/111L	Cell Biology	4	1st Spring	14
Related Requirement:	LASC 3	CHEM 210/210L	General Chemistry II + Lab	4	1st Spring	
	LASC 4	MATH 143	Trigonometry	3	1st Spring	
	LASC 8	BIOL 248	Introduction to Public Health	3	1st Spring	

2nd Year

Core Requirement:		BIOL 341/341L	Genetics + Lab	4	2nd Fall	15
Elective:		CHEM 350/355	Organic Chemistry I + Lab	4	2nd Fall	
Core Requirement:		BIOL 323/323L	Human Anatomy + Lab	4	2nd Fall	
	LASC 10			3	2nd Fall	
Restricted Elective:		BIOL 385/385L	Molecular Biology + Lab	4	2nd Spring	15
Elective:		CHEM 360	Organic Chemistry II	3	2nd Spring	
Core Requirement:	LASC 3	BIOL 349/349L	Human Physiology + Lab	4	2nd Spring	
	LASC 5	SOC 110	Introduction to Sociology	3	2nd Spring	
Elective:		BIOL 497	Research in Biology	1	2nd Spring	

3rd Year

Related Requirement:	LASC 3	PHYS 160	Physics I with Algebra + Lab	4	3rd Fall	15
Elective:		CHEM 400/405	Biochemistry 1 + Lab	4	3rd Fall	
Core Requirement:		BIOL 350/350L	Microbiology + Lab	4	3rd Fall	
	LASC 1B	ENGL 101	English Composition	3	3rd Fall	
Core Requirement:				4	3rd Spring	16
Related Requirement:	LASC 3	PHYS 161	Physics II with Algebra + Lab	3	3rd Spring	
	LASC 1A	COMM 100	Speech Communication	3	3rd Spring	
Elective:		CHEM 410	Biochemistry II	3	3rd Spring	
Elective:	LASC 6 and 9 and WI	PHIL 318	Professional Ethics	3	3rd Spring	

4th Year

Restricted Elective:	WI major	BIOL 365	Developmental Biology + Lab	4	4th Fall	16
Restricted Elective:	WI major	BIOL 423	Advanced Gross Anatomy	4	4th Fall	
		LASC 7		4	4th Fall	
		LASC 2		3	4th Fall	
Elective:		BIOL 497	Research in Biology	1	4th Fall	14
Elective:		BIOL 275	Quantitative Biology	4	4th Spring	
Restricted Elective:	WI major	BIOL 478	Research Design	3	4th Spring	
Core Requirement:		BIOL 438	Medical Microbiology	3	4th Spring	
Elective:				1	4th Spring	
	LASC 6			3	4th Spring	