

Physics w/Medical Physics Emphasis Roadmap

Program	Bachelor of Science: Physics w/Medical Physics Emphasis
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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120.00

1st Year

Core Requirement:	LASC 3	4	PHYS 200	Physics I with Calculus and Lab	4.00	1st Fall	15.00
Related Requirement:	LASC 4	2	MATH 261	Calculus I	4.00	1st Fall	
	First-Year Experience Course		FYE 101	First Year Experience	1.00	1st Fall	
	LASC 1B		ENGL 101	English Composition	3.00	1st Fall	
	LASC	3			3.00	1st Fall	
Core Requirement:			PHYS 201	Physics II with Calculus and Lab	4.00	1st Spring	14.00
Related Requirement:			MATH 262	Calculus II	4.00	1st Spring	
	LASC 1A		COMM 100	Speech Communication	3.00	1st Spring	
	LASC				3.00	1st Spring	

2nd Year

Core Requirement:			PHYS 202	20th Century Physics	3.00	2nd Fall	16.00
Core Requirement:			PHYS 305	Experimental Physics I	3.00	2nd Fall	
Core Requirement:			PHYS 315	Physics Seminar	1.00	2nd Fall	16.00
Related Requirement:			MATH 323	Multi-Variable & Vector Calculus	4.00	2nd Fall	
Recommended Elective:			MATH 260	Computer Calculus	1.00	2nd Fall	
Emphasis Requirement:	LASC 3		CHEM 150	General Chemistry I w/Lab	4.00	2nd Fall	
Core Requirement:			PHYS 322	Elementary Modern Physics	3.00	2nd Spring	16.00
Core Requirement:			PHYS 350	Comp. Methods for Physical Science	3.00	2nd Spring	
Related Requirement:			MATH 366	Differential Equations	3.00	2nd Spring	
Emphasis Requirement:			CHEM 210	General Chemistry II w/Lab	4.00	2nd Spring	
	LASC				3.00	2nd Spring	

3rd Year

Core Requirement:			PHYS 330	Intermediate Mechanics	4.00	3rd Fall	16.00
Recommended Elective:		1	MATH 327	Intro to Linear Algebra	3.00	3rd Fall	
Emphasis Requirement:			PHYS 312	Analog Electronics	3.00	3rd Fall	14.00
	LASC/WI				3.00	3rd Fall	
	LASC				3.00	3rd Fall	
Emphasis Requirement:			PHYS 370	Electromagnetic Theory	4.00	3rd Spring	
Emphasis Requirement:			PHYS 318	Biophysics & Medical Imaging	3.00	3rd Spring	14.00
Core Requirement:	WI 200-level or higher		PHYS 306	Experimental Physics II	3.00	3rd Spring	
Core Requirement:			PHYS 342	Intro to Research	1.00	3rd Spring	
	LASC				3.00	3rd Spring	

4th Year

Core Requirement:			PHYS 492	Senior Project	2.00	4th Fall	14.00
Emphasis Requirement:			PHYS 380	Thermodynamics	3.00	4th Fall	
Elective:					3.00	4th Fall	15.00
Elective:					3.00	4th Fall	
	LASC/WI				3.00	4th Fall	
	LASC				3.00	4th Fall	
Recommended Elective:		1	PHYS 430	Quantum Mechanics	3.00	4th Spring	15.00
Related Requirement:	WI for major		ENGL 387	Technical Report Writing	3.00	4th Spring	
Recommended Elective:		1	PHYS 325	Optics	3.00	4th Spring	
	LASC				3.00	4th Spring	
	LASC				3.00	4th Spring	