2024 - 2025 Major Map

Physics, BA

School/College: The College of Liberal Arts and Sciences

LAPHYBA

Hours	Minimum Grade	Notes	
3-4	C	 ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students PHY 191 is recommended CHM 114 may be taken in place of CHM 113 Select your career interest communities and play me3@ASU 	
4	С		
3	С		
1	С		
3			
14-15			
Hours	Minimum Grade	Notes	
3-4	C	 ASU Language Placement: Only true beginners are eligible for 101-level courses. All other students are required to take a placement exam, regardless of prior credit earned. Join a student club or professional organization. 	
4	С		
3	С		
4	С		
14-15			
Hours	Minimum Grade	Notes	
3-4	С	• Look into internship opportunities.	
4	С		
4	С		
4			
	3-4 4 3 14-15 Hours 3-4 4 14-15 Hours 3-4 3	Hours Grade	

Governance and Civic Engagement (CIVI)

Complete 3 courses:

Upper Division Elective

Complete Mathematics (MATH) requirement.				
Term hours subtota	1: 14-15	5		
Cerm 4 42 - 59 Credit Hours Critical course signified by	Hours	Minimum Grade	Notes	
PHY 201: Mathematical Methods in Physics I (MATH OR CS)	3	С	 Visit Career and Professional Development Services and meet with a career advisor for assistance with caree planning and networking. 	
PHY 252: Physics III (SCIT OR SQ) OR PHY 241: University Physics III AND PHY 202: Programming for Physicists	4	C		
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C		
Humanities, Arts and Design (HUAD)	3			
Quantitative Reasoning (QTRS)	3			
Maintain 2.00 GPA in Critical Tracking Courses.				
Term hours subtotal:	17			
erm 5 59 - 75 Credit Hours Necessary course signified by	Hours	Minimum Grade	Notes	
PHY 302: Mathematical Methods in Physics II	3	C	Develop your online professional presence.	
PHY 310: Classical Particles, Fields, and Matter I	3	С		
PHY 314: Quantum Physics I	3	С		
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.		С		
Sustainability (SUST)	3			
Term hours subtota	l: 16			
erm 6 75 - 90 Credit Hours Necessary course signified by	Hours	Minimum Grade	Notes	
PHY 311: Classical Particles, Fields, and Matter II	3	C	• Complete a practice interview.	
American Institutions (AMIT)	3			
Global Communities, Societies and Individuals (GCSI)	3			
Upper Division Elective OR PHY 484: Internship	3			
Upper Division Elective	3			
Term hours subtotal	: 15			
erm 7 90 - 105 Credit Hours Necessary course signified by	Hours	Minimum Grade	Notes	
Upper Division Physics Elective	3	С	• Courses other than those in the track lis	
Complete 4 courses:	12		 Courses other than those in the track list below must be approved by the Department of Physics academic advisor Meet with your academic advisor for a final degree check before registering for your final semester. Use Handshake to view career postings. 	
Upper Division Elective Term hours subtotal:	15			
erm 8 105 - 120 Credit Hours Necessary course signified by	Hours	Minimum Grade	Notes	
Upper Division Physics Elective	3	С	• Apply for graduation	
C (CNI)			• Apply for graduation.	

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15

Term hours subtotal:

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• Apply for full-time career opportunities

Hide Course List(s)/Track Group(s)

Upper Division Physics Elective
PHY 315: Quantum Physics II
PHY 333: Electronic Circuits and Measurements
PHY 334: Advanced Laboratory I (L)
PHY 361: Introductory Modern Physics
PHY 432: Computational Methods in Physics
PHY 452: Physical Optics
PHY 462: Particle and Nuclear Physics
PHY 480: Methods of Teaching Physics
PHY 481: Materials Physics I
PHY 494: Special Topics
PHY 495: Project Research
PHY 498: Pro-Seminar

• Total Hours: 120

• Upper Division Hours: 45 minimum

• University Undergraduate Graduation Requirements

Notes:

Mathematics Placement Assessment score determines placement in first mathematics course.

Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

General Studies designations listed next to courses on the major map were valid for the 2024 - 2025 academic year. Please refer to the course catalog for current General Studies designations at time of class registration. General Studies credit is applied according to the designation the course carries at the time the class is taken.