














2024 - 2025 Major Map

Biophysics, BS

School/College: [The College of Liberal Arts and Sciences](#)
LABIPHBS

Term 1 - A 0 - 8 Credit Hours	Hours	Minimum Grade	Notes
ASU 101-LA: The ASU Experience	1		<ul style="list-style-type: none"> ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students. Select your Career Interest Communities and play me3@ASU.
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
Humanities, Arts and Design (HUAD)	3		
Elective	1		
Term hours subtotal:	8		
Term 1 - B 8 - 14 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 MAT 265: Calculus for Engineers I (MATH OR MA)	3	C	<ul style="list-style-type: none"> View ASU Online first-year student registration information here.
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
 Maintain 2.50 GPA in Critical Tracking Courses.			
Term hours subtotal:	6		
Term 2 - A 14 - 21 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 MAT 266: Calculus for Engineers II (MATH OR MA)	3	C	<ul style="list-style-type: none"> Join a student club or professional organization. Explore the Online Undergraduate Research Scholars program.
BIO 181: General Biology I (SCIT OR SQ)	4	C	
Term hours subtotal:	7		
Term 2 - B 21 - 29 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 PHY 121: University Physics I: Mechanics (SCIT OR SQ) AND PHY 122: University Physics Laboratory I (SCIT OR SQ)	4	C	
BIO 182: General Biology II (SCIT OR SG)	4	C	
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
 Maintain 2.50 GPA in Critical Tracking Courses.			
Term hours subtotal:	8		
Term 3 - A 29 - 36 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 CHM 113: General Chemistry I (SCIT OR SQ)	4	C	<ul style="list-style-type: none"> Review the Career Guide for ASU Online students to learn about available career planning resources.
 MAT 267: Calculus for Engineers III (MATH OR MA)	3	C	
Term hours subtotal:	7		
Term 3 - B 36 - 44 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes

❗ CHM 116: General Chemistry II (SCIT OR SQ)	4	C
PHY 131: University Physics II: Electricity and Magnetism (SCIT OR SQ) AND PHY 132: University Physics Laboratory II (SCIT OR SQ)	4	C
❗ Maintain 2.50 GPA in Critical Tracking Courses.		
Complete Mathematics (MATH) requirement.		
Term hours subtotal:	8	

Term 4 - A 44 - 51 Credit Hours Critical course signified by ❗	Hours	Minimum Grade	Notes
❗ CHM 233: General Organic Chemistry I	3	C	• Explore an internship .
❗ PHY 241: University Physics III AND PHY 202: Programming for Physicists	4	C	
Term hours subtotal:	7		

Term 4 - B 51 - 57 Credit Hours Critical course signified by ❗	Hours	Minimum Grade	Notes
❗ PHY 201: Mathematical Methods in Physics I (MATH OR CS)	3	C	
Quantitative Reasoning (QTRS)	3		
❗ Maintain 2.50 GPA in Critical Tracking Courses.			
Term hours subtotal:	6		

Term 5 - A 57 - 66 Credit Hours	Hours	Minimum Grade	Notes
BIO 360: Animal Physiology OR BIO 353: Cell Biology	3	C	• Consider Research Experiences for Undergraduates (REU) opportunities.
Science and Society Elective	3	C	
Upper Division Elective	3		
Term hours subtotal:	9		

Term 5 - B 66 - 75 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ PHY 314: Quantum Physics I	3	C	
BIO 312: Bioethics (HUAD OR HU)	3		
Social and Behavioral Sciences (SOBE)	3		
Term hours subtotal:	9		

Term 6 - A 75 - 81 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ CHM 341: Elementary Physical Chemistry	3	C	• Use Handshake to research employment opportunities . • Start preparing for after graduation .
Sustainability (SUST)	3		
Term hours subtotal:	6		

Term 6 - B 81 - 90 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ PHY 312: Mechanics and Electromagnetism	3	C	
Global Communities, Societies and Individuals (GCSI)	3		
Upper Division Elective	3		
Term hours subtotal:	9		

Term 7 - A 90 - 99 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ PHY 371: Driving Forces in Biology	3	C	• Develop your professional online presence
Governance and Civic Engagement (CIVI)	3		
Upper Division Elective	3		
Term hours subtotal:	9		

Term 7 - B 99 - 108 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ PHY 472: Advanced Biophysics Lab	3	C	
American Institutions (AMIT)	3		
Upper Division Elective	3		
Term hours subtotal:	9		
Term 8 - A 108 - 114 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ PHY 473: From Molecules to Cells	3	C	
Upper Division Elective	3		<ul style="list-style-type: none"> • Create a resume. • Complete a virtual practice interview.
Term hours subtotal:	6		
Term 8 - B 114 - 120 Credit Hours	Hours	Minimum Grade	Notes
Complete 2 courses:			
Upper Division Elective	6		
Term hours subtotal:	6		

- All students pursuing a BS or BSP degree in The College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at <https://thecollege.asu.edu/resources/science-society>. At least one of the two courses must be upper-division and students must earn a C or better in the courses. Both Science and Society courses (i.e., all six credits) may count towards any major, minor, related fields, and ASU General Studies requirements.

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

- **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.