















2024 - 2025 Major Map

Biophysics, BS

School/College: The College of Liberal Arts and Sciences
LABIPHBS

Term 1 0 - 15 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"> ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students Select your career interest area and play me3@ASU Activate your Handshake account and build out your profile
BIO 181: General Biology I (SCIT OR SQ)	4	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
LIA 101: Student Success in The College of Liberal Arts and Sciences	1	C	
Humanities, Arts and Design (HUAD)	3		
Elective (PHY 191 recommended)	1		
 Maintain 2.50 GPA in Critical Tracking Courses.			
Term hours subtotal:	15		
Term 2 15 - 32 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 physics student organization Secure a part-time job or volunteer experience
PHY 150: Physics I (SCIT OR SQ) OR 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	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Global Communities, Societies and Individuals (GCSI)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
 Maintain 2.50 GPA in Critical Tracking Courses.			
Term hours subtotal:	17		
Term 3 32 - 46 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
CHM 117: General Chemistry for Majors I (SCIT OR SQ) AND  CHM 111: General Chemistry Laboratory for Majors I (SCIT OR SQ) OR CHM 113: General Chemistry I (SCIT OR SQ)	4	C	<ul style="list-style-type: none"> Explore career opportunities in your field Discover Department of Physics research
 MAT 267: Calculus for Engineers III (MATH OR MA)	3	C	
PHY 151: Physics II (SCIT OR SQ) OR PHY 131: University  Physics II: Electricity and Magnetism (SCIT OR SQ) AND PHY 132: University Physics Laboratory II (SCIT OR SQ)	4	C	
Science and Society Elective	3	C	
 Maintain 2.50 GPA in Critical Tracking Courses.			
 Complete Mathematics (MATH) requirement.			

Term hours subtotal: 14

Term 4 46 - 60 Credit Hours Critical course signified by ⚠	Hours	Minimum Grade	Notes
CHM 118: General Chemistry for Majors II (SCIT OR SQ) AND ⚠ CHM 112: General Chemistry Laboratory for Majors II (SCIT OR SQ) OR CHM 116: General Chemistry II (SCIT OR SQ)	4	C	
⚠ PHY 201: Mathematical Methods in Physics I (MATH OR CS)	3	C	
⚠ PHY 252: Physics III (SCIT OR SQ) OR PHY 241: University Physics III AND PHY 202: Programming for Physicists	4	C	
Quantitative Reasoning (QTRS)	3		
⚠ Maintain 2.50 GPA in Critical Tracking Courses.			

Term hours subtotal: 14

Term 5 60 - 75 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ CHM 345: Physical Chemistry I OR PHY 314: Quantum Physics I	3	C	
BIO 360: Animal Physiology OR BIO 353: Cell Biology	3	C	
CHM 233: General Organic Chemistry I	3	C	
Social and Behavioral Sciences (SOBE)	3		
Upper Division Elective	3		

Term hours subtotal: 15

Term 6 75 - 90 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ CHM 346: Physical Chemistry II OR CHM 341: Elementary Physical Chemistry	3	C	
★ PHY 312: Mechanics and Electromagnetism	3	C	
Sustainability (SUST)	3		
Complete 2 courses:	6		
Upper Division Elective			

Term hours subtotal: 15

Term 7 90 - 105 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ PHY 371: Driving Forces in Biology	3	C	
★ PHY 472: Advanced Biophysics Lab	3	C	
Upper Division Elective OR PHY 484: Internship	3		
American Institutions (AMIT)	3		
Governance and Civic Engagement (CIVI)	3		

Term hours subtotal: 15

Term 8 105 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ PHY 473: From Molecules to Cells	3	C	
BIO 312: Bioethics (HUAD OR HU)	3		
Complete 3 courses:	9		
Upper Division Elective			

Term hours subtotal: 15

- 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.