












2024 - 2025 Major Map

Applied Biological Sciences (Preveterinary Medicine), BS

School/College: College of Integrative Sciences and Arts
LSABSPMBS

Term 1 0 - 14 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 BIO 181: General Biology I (SCIT OR SQ)	4	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 Communities and play me3@ASU.
ASU 101-CLS: The ASU Experience	1		
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			
MAT 251: Calculus for Life Sciences (MATH OR MA)	3	C	
Global Communities, Societies and Individuals (GCSI)	3		
Term hours subtotal:	14		
Term 2 14 - 29 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 BIO 182: General Biology II (SCIT OR SG)	4	C	<ul style="list-style-type: none"> Join a student club or professional organization.
 CHM 113: General Chemistry I (SCIT OR SQ)	4	C	
ABS 100: Discovering the Professions	1	C	
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		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	15		
Term 3 29 - 46 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 CHM 116: General Chemistry II (SCIT OR SQ)	4	C	<ul style="list-style-type: none"> Secure a part-time job or volunteer experience.
ABS 271: Veterinary Medicine Today	3	C	
OGL 200: Introduction to Organizational Leadership (CIVI OR SB)			
OR OGL 220: Behavioral Dynamics in Organizations (SOBE OR SB)	3	C	
PHY 111: General Physics (SCIT OR SQ) AND PHY 113: General Physics Laboratory (SCIT OR SQ)	4	C	
Sustainability (SUST)	3		
 Complete Mathematics (MATH) requirement.			
Term hours subtotal:	17		
Term 4 46 - 60.5 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 MIC 205: Microbiology (SCIT OR SG) AND MIC 206: Microbiology Laboratory (SCIT OR SG)	4	C	<ul style="list-style-type: none"> COM 225 Public Speaking is recommended for students wishing to pursue veterinary school.
ABS 200: Building Your Professional Self	.5	C	

PHY 112: General Physics (SCIT OR SQ) AND PHY 114: General Physics Laboratory (SCIT OR SQ)	4	C	
Governance and Civic Engagement (CIVI)	3		
Social and Behavioral Sciences (SOBE)	3		
📌 Complete ABS 271 course(s).			
Term hours subtotal:	14.5		
Term 5 60.5 - 77 Credit Hours Necessary course signified by ⭐	Hours	Minimum Grade	Notes
⭐ ABS 311: Molecular and Cellular Biology OR BIO 360: Animal Physiology	3	C	<ul style="list-style-type: none"> • Use Handshake to research employment opportunities. • Connect with faculty to seek opportunities for research.
ABS 300: Career Competencies and Skills	.5	C	
CHM 233: General Organic Chemistry I AND CHM 237: General Organic Chemistry Laboratory I	4	C	
OGL 340: Special Topics	3	C	
Upper Division Pre-Veterinary Elective	3	C	
Humanities, Arts and Design (HUAD)	3		
Term hours subtotal:	16.5		
Term 6 77 - 91 Credit Hours Necessary course signified by ⭐	Hours	Minimum Grade	Notes
⭐ ABS 355: Ecology and Adaptations of Vertebrates	3	C	
⭐ BIO 340: General Genetics	4	C	
CHM 234: General Organic Chemistry II AND CHM 238: General Organic Chemistry Laboratory II	4	C	
Upper Division Pre-Veterinary Elective	3	C	
Term hours subtotal:	14		
Term 7 91 - 105 Credit Hours Necessary course signified by ⭐	Hours	Minimum Grade	Notes
⭐ ABS 490: Applied Biological Sciences Seminar	1	C	<ul style="list-style-type: none"> • Gather professional references. • Apply for full-time career opportunities.
ABS 350: Applied Statistics (QTRS OR CS) OR STP 420: Introductory Applied Statistics (QTRS OR CS)	3	C	
BCH 361: Advanced Principles of Biochemistry	3	C	
American Institutions (AMIT)	3		
Upper Division Elective	4		
Term hours subtotal:	14		
Term 8 105 - 120 Credit Hours Necessary course signified by ⭐	Hours	Minimum Grade	Notes
⭐ ABS 378: Animal Nutrition	3	C	
ABS 484: Internship OR Upper Division Elective	3		
Complete 2 courses:			
Upper Division Pre-Veterinary Elective	6	C	
Upper Division Elective	3		
Term hours subtotal:	15		

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

Pre-Veterinary Electives (12 Hours Required)

ABS 302: Ethical and Policy Issues in Biology

ABS 312: Structure and Function

ABS 318: Unseen Life on Earth

ABS 371: Small Animal Veterinary Topics

ABS 372: Captive Animal Behavior
Management

ABS 375: Equine Science

ABS 379: Animal Anatomy

ABS 417: Comparative Immunology

ABS 470: Life History of Mammals

ABS 472: Applied Herpetology

ABS 473: Applied Ornithology

ABS 484: Internship

ABS 494: Emerging Infections & Epidemics

ABS 494: Scientific Literature in
Veterinary/Medical Fields

- **Total Hours:** 120
- **Upper Division Hours:** 45 minimum
- **University Undergraduate Graduation Requirements**

Notes:

Mathematics Placement Assessment score determines placement in first mathematics course.

Students must complete a minimum of 12 credit hours of science courses offered by the College of Integrative Sciences and Arts. Select from ABS, CHM, BIO, PHY, and MIC prefixes.

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.