









2023 - 2024 Major Map





Environmental Studies, BA

School/College: [New College of Interdisciplinary Arts and Sciences](#)
ASENVBA



This program's name has changed effective Fall 2026. The previous name was Environmental Science.



Term 1 0 - 15 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 BIO 181: General Biology I (SQ)	4	C	<ul style="list-style-type: none"> ASU 101 or college-specific First-Year Seminar required of all first-year students. NEW 101-M satisfies this requirement. IAS 300 is required in place of NEW 101-M for transfer students. MAT 170 or higher-level calculus (MA) accepted. Select your Career Interest Communities and play me3@ASU. Activate your Handshake account and build out your profile.
 CHM 113: General Chemistry I (SQ)	4	C	
 MAT 170: Precalculus (MA)	3	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	
NEW 101-M: The ASU New College Experience	1		
Term hours subtotal:	15		



Term 2 15 - 30 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 BIO 182: General Biology II (SG)	4	C	<ul style="list-style-type: none"> Create a first draft resume. Join a student club or professional organization. Secure a part-time job or volunteer experience.
 CHM 116: General Chemistry II (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	
STP 226: Elements of Statistics (CS)	3	C	
Elective	1		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	15		



Term 3 30 - 44 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 CHM 231: Elementary Organic Chemistry (SQ) AND CHM 235: Elementary Organic Chemistry Laboratory (SQ)	4	C	<ul style="list-style-type: none"> Develop your research skills. Develop your professional skills.
 ENV 201: Fundamentals of Environmental Science	3	C	
PHY 101: Introduction to Physics (SQ)	4	C	
Social Science Elective	3	C	
 Complete First-Year Composition requirement.			



Term hours subtotal: 14

Term 4 44 - 60 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 GLG 108: Water Planet (SQ) OR GLG 101: Introduction to Geology I (Physical) (SQ) AND ENV 103: Introduction to Geology I: Laboratory (SQ)	4	C	<ul style="list-style-type: none"> Explore an internship, an IGLE international experience or ASU Study Abroad.
ECN 212: Microeconomic Principles (SB)	3	C	
GPH 210: Society and Environment (G)	3	C	
SOS 111: Sustainable Cities ((HU or SB) & G)	3	C	
Social Science Elective	3	C	
Term hours subtotal:		16	

Term 5 60 - 75 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 CHM 302: Environmental Chemistry	3	C	<ul style="list-style-type: none"> IAS 300 (3 credit hours) is required for all transfer students in place of NEW 101-M. Thinking about graduate school? Consider registering for a graduate test prep course. Develop your professional online presence.
BIO 353: Cell Biology OR LSC 347: Fundamentals of Genetics	3	C	
Upper Division Ethics Elective AND Upper Division Humanities, Arts and Design (HU)	3	C	
Social Science Elective	3	C	
Literacy and Critical Inquiry (L) OR IAS 300: Career Strategies and Personal Resilience (L or SB)	3	C	
Term hours subtotal:		15	

Term 6 75 - 91 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
BIO 320: Fundamentals of Ecology AND LSC 322: Fundamentals of Ecology Laboratory	4	C	<ul style="list-style-type: none"> Use Handshake to research employment opportunities. Complete an in person or virtual practice interview. Up to 6 credit hours (two completions) of 499 Individualized Instruction or 484 Internship can be used towards Upper Division Science Electives. However, to be applied each completion of 499/484 must be a unique experience with a different instructor.
SOC 331: Environmental Sociology (SB & G)	3	C	
Upper Division Science Elective AND Upper Division Literacy and Critical Inquiry (L)	3	C	
Upper Division Science Elective	3-4	C	
Cultural Diversity in the U.S. (C) AND Historical Awareness (H)	3		
 Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:		16-17	

Term 7 91 - 106 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 ENV 345: Spatial Analysis in the Environmental Sciences	3	C	<ul style="list-style-type: none"> Completion of the Upper Division Cultural Diversity in the U.S. (C) or Upper Division Global Awareness (G) AND SOC 331 in Term 6 satisfies the New College Proficiency - Language and Cultures requirement. Gather professional references. Up to 6 credit hours (two completions) of 499 Individualized Instruction or 484 Internship can be used towards Upper Division Science Electives. However, to be applied each completion of 499/484 must be a unique experience with a different instructor.
Complete 2 courses: Upper Division Science Elective	6-8	C	
Upper Division Cultural Diversity in the U.S. (C) OR Upper Division Global Awareness (G)	3	C	
Elective	3		
Term hours subtotal:	15-17		

Term 8 106 - 120 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 ENV 485: Environmental Impact Assessment	3	C	<ul style="list-style-type: none"> Apply for full-time career opportunities.
Upper Division Ethics Elective AND Upper Division Humanities, Arts and Design (HU)	3	C	
Upper Division Social Science Elective	3	C	
Upper Division Elective	2		
Elective OR ENV 484: Internship	3		
Term hours subtotal:	14		

- Upper Division Science Electives: Complete three to four courses (12 credit hours).
 - To fulfill the General Studies Upper Division Literacy and Critical Inquiry (L) requirement, choose from BIO 410, BIO 426, ENV/PLB 300, or ENV/PLB 302.
 - Up to six credit hours (two completions) of 499 Individualized Instruction can be used towards Upper Division Science Electives. However, to be applied, each completion of 499 must be a unique experience with a different instructor.
 - Social Science Electives: Complete four courses (12 credit hours).

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

Upper Division Science Electives	Social Science Electives	Upper Division Ethics Electives
BIO 360: Animal Physiology	ABS 381: Natural Resources Policy	IAS 340: Bioethics (HU) or PHI 320: Bioethics (HU)
BIO 370: Vertebrate Zoology	ABS 479: Ecosystem Management and Planning (L)	IAS 406: Moral Dilemmas (L or HU) or PHI 406: Moral Dilemmas (L or HU)
BIO 385: Comparative Invertebrate Zoology	ASB 272: Economic Justice (SB)	IAS 407: Environmental Philosophy and Policy (L or HU) or PHI 407: Environmental Philosophy and Policy (L or HU)
BIO 410: Techniques in Conservation Biology and Ecology (L)	ASB 326: Human Impacts on Ancient Environments (SB & H)	
BIO 412: Conservation in Practice	ASB 375: Humans and the Environment: What's the Connection? ((L or SB) & G)	

BIO 422: Ecosystem Ecology	COM 312: Communication, Conflict, and Negotiation	IAS 409: Eco-Community Ethics (HU) or PHI 409: Eco-Community Ethics (HU)
BIO 426: Limnology (L)		
BIO 474: Herpetology	COM 328: Communicating Science	PHI 306: Applied Ethics (HU)
BIO 499: Individualized Instruction or ENV 499: Individualized Instruction or LSC 499: Individualized Instruction or PLB 499: Individualized Instruction	COM 430: Leadership in Group Communication	PHI 360: Business and Professional Ethics (HU)
ENV 300: Plant Diversity and Evolution (L or SG) or PLB 300: Plant Diversity and Evolution (L or SG)	ECN 211: Macroeconomic Principles (SB)	
ENV 302: Plants and Civilization (L) or PLB 302: Plants and Civilization (L)	ERM 428: International Environmental Management (G)	
ENV 388: STEM Research Fundamentals or PLB 388: STEM Research Fundamentals	HST 345: Environmental History (L)	
ENV 394: Animal Behavior in a Changing Environment or LSC 394: Animal Behavior in a Changing Environment	OGL 200: Introduction to Organizational Leadership (SB)	
ENV 394: Special Topics or PLB 394: Special Topics	OGL 300: Theory and Practice of Leadership	
ENV 410: Soil Science	OGL 355: Leading Organizational Innovation and Change	
ENV 484: Internship or LSC 484: Internship	PMG 240: Introduction to Project Management	
ENV 492: Honors Directed Study	POS 110: American Government and Politics (SB)	
ENV 494: Special Topics or PLB 494: Special Topics	POS 331: Public Opinion (SB)	
ERM 502: Regulatory Framework for Toxic and Hazardous Substances	POS 426: Elements of Public Policy (SB)	
ERM 520: Sustainability and Sustainable Development	PUP 301: Introduction to Urban Planning (L)	
ERM 522: Air Pollution and Toxic Chemicals	SOC 333: Population (SB & G)	
ERM 523: Soils and Groundwater Contamination	SOS 230: Professional Skills in Sustainability	
ERM 527: Environmental/Resources Regulations Concepts	SOS 311: Future Thinking and Strategies	
ERM 535: Water Law and Policy	SOS 385: Business and Sustainability I	
ERM 598: Environmental Health		
LSC 434: Marine Ecology		
PLB 308: Plant Physiology		
PLB 310: The Flora of Arizona		

Notes:

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 30 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64 maximum

Total College Residency Hrs: 12 minimum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed next to courses on the major map were valid for the 2023 - 2024 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.