















2024 - 2025 Major Map

Sustainability, BS

School/College: College of Global Futures
SUSUSTBS

Term 1 - A 0 - 7 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 SOS 191: Introduction to ASU & SOS for First Year Students OR	1	C	<ul style="list-style-type: none"> SOS 191 or college-specific equivalent First-Year Seminar is required of all first-year students SOS 201 required of all Sustainability transfer students
 SOS 201: Introduction to ASU and School of Sustainability for Transfer Students			
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			
SOS 110: Sustainable World (SUST OR SB)	3	C	
Term hours subtotal:	7		
Term 1 - B 7 - 13 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 SOS 101: Introduction to Applied Mathematics for the Life and Social Sciences (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			
 Minimum 2.50 GPA in SOS and SFS.			
 Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	6		
Term 2 - A 13 - 22 Credit Hours	Hours	Minimum Grade	Notes
SOS 111: Sustainable Cities (SUST OR (HU or SB) & G)	3	C	<ul style="list-style-type: none"> Join a student club or professional organization.
SOS 211: Calculus and Probability for the Life and Social Sciences (MATH)	3	C	
Humanities, Arts and Design (HUAD)	3		
Term hours subtotal:	9		
Term 2 - B 22 - 29 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
SOS 212: Systems, Dynamics and Sustainability (QTRS)	3	C	
Scientific Thinking in Natural Sciences (SCIT)	4		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
 Complete SOS 110 AND SOS 111 course(s).			
 Complete SOS 211 AND SOS 212 course(s).			
 Minimum 2.50 GPA in SOS and SFS.			
 Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	7		
Term 3 - A 29 - 36 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes

❗ SOS 220: Systems Thinking	3	C
Second Language: Requirement satisfied through the following:		
* Completion of language course(s) at the 102 level.	4	C
Term hours subtotal:	7	

- **ASU Language Placement:** Only true beginners are eligible for 101-level courses. All other students are required to take a placement or proficiency exam, regardless of prior credit earned. CLEP and AP credit are also viable options for fulfilling the second language requirement.
- Create a first draft **resume** and start attending Global Futures career-related **workshops and lectures**.

Term 3 - B 36 - 43 Credit Hours Critical course signified by ❗	Hours	Minimum Grade	Notes
❗ SOS 232: Professional Skills in Sustainability Practice	3	C	
Second Language: Requirement satisfied through the following:			
* Completion of language course(s) at the 102 level.	4	C	
❗ Minimum 2.50 GPA in SOS and SFS.			
❗ Minimum 2.50 GPA ASU Cumulative.			
Complete Mathematics (MATH) requirement.			
Term hours subtotal:	7		

Term 4 - A 43 - 50 Credit Hours	Hours	Minimum Grade	Notes
SOS 320: Society and Sustainability (SOBE OR L or SB) OR SOS 321: Policy and Governance in Sustainable Systems OR SOS 322: International Development and Sustainability OR SOS 323: Sustainable Urban Dynamics OR SOS 324: Sustainable Energy Technology and Systems OR SOS 325: The Economics of Sustainability OR SOS 326: Sustainable Ecosystems OR SOS 327: Sustainable Food and Farms OR SOS 328: Sustainability and Enterprise OR SOS 465: Sustainable Urbanism	3	C	<ul style="list-style-type: none"> • See track/group notes below for track requirement details • Get involved with mentorship opportunities to learn from alumni about career paths.
Scientific Thinking in Natural Sciences (SCIT)	4		
Term hours subtotal:	7		




Term 4 - B 50 - 57 Credit Hours Critical course signified by ❗	Hours	Minimum Grade	Notes
SOS 320: Society and Sustainability (SOBE OR L or SB) OR SOS 321: Policy and Governance in Sustainable Systems OR SOS 322: International Development and Sustainability OR SOS 323: Sustainable Urban Dynamics OR SOS 324: Sustainable Energy Technology and Systems OR SOS 325: The Economics of Sustainability OR SOS 326: Sustainable Ecosystems OR SOS 327: Sustainable Food and Farms OR SOS 328: Sustainability and Enterprise OR SOS 465: Sustainable Urbanism	3	C	<ul style="list-style-type: none"> • See track/group notes below for track requirement details
Humanities, Arts and Design (HUAD)	3		
Elective	1		
❗ Milestone: Select a track.			
❗ Minimum 2.50 GPA in SOS and SFS.			
❗ Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	7		

Term 5 - A 57 - 66 Credit Hours	Hours	Minimum Grade	Notes
SOS 320: Society and Sustainability (SOBE OR L or SB) OR SOS 321: Policy and Governance in Sustainable Systems OR SOS 322: International Development and Sustainability OR SOS 323: Sustainable Urban Dynamics OR SOS 324: Sustainable Energy Technology and Systems OR SOS 325: The Economics of	3	C	<ul style="list-style-type: none"> • See track/group notes below for track requirement details • Begin exploring internship opportunities and meet with the




Sustainability OR SOS 326: Sustainable Ecosystems OR SOS 327:
Sustainable Food and Farms OR SOS 328: Sustainability and
Enterprise OR SOS 465: Sustainable Urbanism

College of Global Futures **Internship
Advisor** to discuss your interests.




Upper Division Track Required Course	3	C
Elective	3	
Term hours subtotal:		9

Term 5 - B 66 - 75 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
SOS 310: Equity, Justice and Sustainability	3	C	<ul style="list-style-type: none"> See lists below for Track Elective options. See advisor to request approval of Track Electives not on the list.
Track Elective Course	3	C	
Social and Behavioral Sciences (SOBE)	3		
 Minimum 2.50 GPA in SOS and SFS.			
 Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:		9	

Term 6 - A 75 - 84 Credit Hours	Hours	Minimum Grade	Notes
SOS 311: Future Thinking and Strategies	3	C	<ul style="list-style-type: none"> See lists below for Track Elective options. See advisor to request approval of Track Electives not on the list. All students must complete 12 hours of approved Related Discipline courses. A Related Discipline is a concentration outside of Sustainability that augments the student's Sustainability education. Must see advisor for approval. Meet with the College of Global Futures Career Advisor to review your resume and LinkedIn profile.
Upper Division Track Elective Course	3	C	
Related Discipline Elective	3	C	
Term hours subtotal:		9	

Term 6 - B 84 - 90 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
Upper Division Related Discipline Elective	3	C	<ul style="list-style-type: none"> All students must complete 12 hours of approved Related Discipline courses. A Related Discipline is a concentration outside of Sustainability that augments the student's Sustainability education. Must see advisor for approval.
Governance and Civic Engagement (CIVI)	3		
 Minimum 2.50 GPA in SOS and SFS.			
 Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:		6	

Term 7 - A 90 - 99 Credit Hours	Hours	Minimum Grade	Notes
Upper Division Related Discipline Elective	3	C	<ul style="list-style-type: none"> All students must complete 12 hours of approved Related Discipline courses. A Related Discipline is a concentration outside of Sustainability that augments the student's Sustainability education. Must see advisor for approval.
American Institutions (AMIT)	3		
Upper Division Elective	3		
Term hours subtotal:		9	




Term 7 - B 99 - 105 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
SOS 498: Pro-Seminar (L)	3	B-	<ul style="list-style-type: none"> All students must complete 12 hours of approved Related Discipline courses. A Related Discipline is a concentration
Upper Division Related Discipline Elective	3	C	
 Minimum 2.50 GPA in SOS and SFS.			
 Minimum 2.50 GPA ASU Cumulative.			

Term hours subtotal: 6

outside of Sustainability that augments the student's Sustainability education. Must [see advisor](#) for approval.

- Schedule an appointment with the College of Global Futures [career advisor](#) to discuss and refine your career search process.

Term 8 - A 105 - 114 Credit Hours	Hours	Minimum Grade	Notes
Global Communities, Societies and Individuals (GCSI)	3		
Complete 2 courses:			
Upper Division Elective	6		
Term hours subtotal:	9		

Term 8 - B 114 - 120 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
SOS Upper Division Elective	3	C	
Elective	3		
 Minimum 2.50 GPA in SOS and SFS.			
 Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	6		

- Sustainability BS students must select one of the following challenge area tracks:
 - Sustainable Energy, Materials, and Technology (SOS 324)
 - Economics of Sustainability (SOS 325)
 - Ecosystems Sustainability (SOS 326)
- Students must declare a track by the end of Term 4.
- Students must complete the one required track course for their chosen track.
- Students must also complete any additional three track courses for a total of four (12 credit hours) track courses. Select from SOS 320, SOS 321, SOS 322, SOS 323, SOS 324, SOS 325, SOS 326, SOS 327, SOS 328, or SOS 465.
- Students must complete two track elective courses from their chosen track. At least one track elective must be upper division.

Example: If the Economics of Sustainability Track is chosen, students must complete SOS 325 and any three additional track courses by the end of Term 5.

More information on BS Tracks can be found [here](#).

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

Economics of Sustainability Track	Ecosystems Sustainability Track	Sustainable Energy, Materials, and Technology Track
Required Course:	Required Course:	Required Course:
SOS 325: The Economics of Sustainability	SOS 326: Sustainable Ecosystems	SOS 324: Sustainable Energy Technology and Systems
Electives:	Electives:	Electives:
ASB 316: Money and Culture (L or SB)	ABS 370: Ecology	ALA 100: Introduction to Environmental Design (HUAD OR HU & H & G)
ECN 211: Macroeconomic Principles (SOBE OR SB)	BIO 181: General Biology I (SCIT OR SQ)	CHM 107: Chemistry and Society (SCIT OR SQ)
ECN 212: Microeconomic Principles (SOBE OR SB)	BIO 182: General Biology II (SCIT OR SG)	HST 302: Energy Transitions and Sustainability
ECN 306: Survey of International Economics (GCSI OR SB & G)	BIO 304: Plants and Civilization	
	BIO 311: Biology and Society	
	BIO 320: Fundamentals of Ecology	

ECN 312: Intermediate Microeconomic Theory (SOBE OR SB)	BIO 322: Conservation of Biodiversity	SES 141: Energy In Everyday Life (SCIT OR SQ)
ECN 313: Intermediate Macroeconomic Theory (SOBE OR SB)	BIO 324: Environmental Ethics (SUST OR HU)	SOS 171: The Thread of Energy (SUST OR G)
ECN 360: Economic Development (GCSI OR SB & G)	BIO 325: Oceanography or GLG 325: Oceanography	SOS 181: Technological, Social, and Sustainable Systems (SUST OR HU)
ECN 436: International Trade Theory (SB & G)	BIO 331: Animal Behavior	SOS 315: Energy Policy
GCU 359: Cities of the World I	BIO 370: Vertebrate Zoology	SOS 494: Renewable Energy
POS 486: International Political Economy (GCSI OR SB & G)	BIO 410: Techniques in Conservation Biology and Ecology	
	BIO 411: Quantitative Methods in Conservation and Ecology	
	BIO 412: Conservation in Practice	
	BIO 423: Population and Community Ecology	
	GLG 110: Dangerous World (SCIT OR SQ & G)	
	GPH 314: Global Change (SUST OR HU & G)	
	GPH 381: Geography of Natural Resources (SUST OR G)	
	HST 345: Environmental History (SUST OR L)	
	MIC 205: Microbiology (SCIT OR SG)	
	MIC 220: Biology of Microorganisms	
	SOS 414: Urban and Environmental Health	
	SOS 374: Earth's Critical Zone	
	SOS 375: Humans and the Environment: What's the Connection? ((L or SB) & G)	
	SOS 476: Earth's Past Climates: The Key to our Sustainable Future	

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

Notes:

Mathematics Placement Assessment score determines placement in first mathematics course.

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.