















## 2023 - 2024 Major Map

### Sustainability, BS

School/College: [College of Global Futures](#)  
SUSUSTBS

Term 1 - A 0 - 7 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 SOS 191: Introduction to ASU & SOS for First Year Students OR	1	C	<ul style="list-style-type: none"> <li>SOS 191 or college-specific equivalent First-Year Seminar is required of all first-year students</li> <li>SOS 201 required of all Sustainability transfer students</li> </ul>
 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 111: Sustainable Cities ((HU or SB) & G)	3	C	
Term hours subtotal:	7		
Term 1 - B 7 - 13 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 SOS 101: Introduction to Applied Mathematics for the Life and Social Sciences (MA)	3	C	<ul style="list-style-type: none"> <li>View ASU Online first-year student registration information <a href="#">here</a>.</li> </ul>
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 110: Sustainable World (SB)	3	C	<ul style="list-style-type: none"> <li>Create a first draft <a href="#">resume</a>.</li> </ul>
SOS 211: Calculus and Probability for the Life and Social Sciences (MA)	3	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Term hours subtotal:	9		
Term 2 - B 22 - 29 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
SOS 212: Systems, Dynamics and Sustainability	3	C	
Natural Science - Quantitative (SQ)	4		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
 Complete SOS 110 AND SOS 111 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 <b>Critical course signified by</b> 	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.
- Develop your **skills**.

Term 3 - B 36 - 43 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 <b>SOS 232: Professional Skills in Sustainability Practice</b>	3	C	
Second Language: Requirement satisfied through the following:			
* Completion of language course(s) at the 102 level.	4	C	
 Complete SOS 211 AND SOS 212 course(s).			
 Minimum 2.50 GPA in SOS and SFS.			
 Minimum 2.50 GPA ASU Cumulative.			
Complete Mathematics (MA) requirement.			
Term hours subtotal:	7		

Term 4 - A 43 - 50 Credit Hours	Hours	Minimum Grade	Notes
SOS 320: Society and Sustainability (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	• See track/group notes below for track requirement details
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Term hours subtotal:	7		

Term 4 - B 50 - 57 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 <b>SOS 231: Careers in Sustainability</b>	1	C	• See track/group notes below for track requirement details
SOS 320: Society and Sustainability (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	
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		
 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 (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			• See track/group notes below for track requirement details

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

- Schedule an appointment with the College of Global Futures **career advisor** to review your resume.

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

Track Elective Course

3

C

Computer/Statistics/Quantitative Applications (CS)

3

- See lists below for Track Elective options. See advisor to request approval of Track Electives not on the list.



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

Upper Division Track Elective Course

3

C

Related Discipline Elective

3

C

Term hours subtotal: 9

- 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.

#### Term 6 - B 84 - 90 Credit Hours Necessary course signified by



Hours

Minimum Grade

Notes

Related Discipline Elective

3

C

Literacy and Critical Inquiry (L)

3



Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).



Minimum 2.50 GPA in SOS and SFS.



Minimum 2.50 GPA ASU Cumulative.

Term hours subtotal: 6

- 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.
- Explore **internship opportunities** and schedule an appointment with the College of Global Futures internship advisor to discuss your interests.

#### Term 7 - A 90 - 99 Credit Hours

Hours

Minimum Grade

Notes

Upper Division Related Discipline Elective

3

C

Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)

3

Elective

3

Term hours subtotal: 9

- 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.

#### Term 7 - B 99 - 105 Credit Hours Necessary course signified by



Hours

Minimum Grade

Notes

SOS 498: Pro-Seminar (L)

3

B-

Upper Division Related Discipline Elective

3

C

- All students must complete 12 hours of approved Related Discipline courses. A Related Discipline is a concentration

★ 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
Upper Division Elective OR SOS 484: Capstone: Internship	3		
Upper Division Elective	3		
Elective	3		
Term hours subtotal:	9		

Term 8 - B 114 - 120 Credit Hours <a href="#">Necessary course signified by</a>	Hours	Minimum Grade	Notes
★ SOS Upper Division Elective	3	C	
Upper Division 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 (HU & H & G)
ECN 211: Macroeconomic Principles (SB)	BIO 181: General Biology I (SQ)	CHM 107: Chemistry and Society (SQ)
ECN 212: Microeconomic Principles (SB)	BIO 182: General Biology II (SG)	HST 302: Energy Transitions and Sustainability
ECN 306: Survey of International Economics (SB & G)	BIO 304: Plants and Civilization (L)	
ECN 312: Intermediate Microeconomic Theory (SB)	BIO 311: Biology and Society	
	BIO 320: Fundamentals of Ecology	

ECN 313: Intermediate Macroeconomic Theory (SB)	BIO 322: Conservation of Biodiversity	SES 141: Energy In Everyday Life (SQ)
ECN 360: Economic Development (SB & G)	BIO 324: Environmental Ethics (HU)	SOS 171: The Thread of Energy (SB & G)
ECN 436: International Trade Theory (SB & G)	BIO 325: Oceanography or GLG 325: Oceanography	SOS 181: Technological, Social, and Sustainable Systems (HU)
GCU 359: Cities of the World I (SB & G & H)	BIO 331: Animal Behavior	SOS 315: Energy Policy
POS 486: International Political Economy (SB & G)	BIO 370: Vertebrate Zoology	SOS 494: Renewable Energy
	BIO 410: Techniques in Conservation Biology and Ecology (L)	
	BIO 411: Quantitative Methods in Conservation and Ecology	
	BIO 412: Conservation in Practice	
	BIO 423: Population and Community Ecology	
	GLG 110: Dangerous World (SQ & G)	
	GPH 314: Global Change (HU & G)	
	GPH 381: Geography of Natural Resources (G)	
	HST 345: Environmental History (L)	
	MIC 205: Microbiology (SG)	
	MIC 220: Biology of Microorganisms	
	SOS 414: Urban and Environmental Health (SB)	
	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	

#### 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:** 3.00 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

#### 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.