













2024 - 2025 Major Map

Sustainable Food Systems, BS

School/College: College of Global Futures
SUSFOSYSBS

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			
 SOS 201: Introduction to ASU and School of Sustainability for Transfer Students	1	C	• SOS 191 or college-specific equivalent First-Year Seminar is required of all first-year students
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	• SOS 201 required of all Sustainability transfer students
ENG 107 or ENG 108: First-Year Composition			
SOS 111: Sustainable Cities (SUST OR (HU or SB) & G)	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	• 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 110: Sustainable World (SUST OR SB)	3	C	
SOS 211: Calculus and Probability for the Life and Social Sciences (MATH)	3	C	• Join a student club or professional organization.
Social and Behavioral Sciences (SOBE)	3		
Term hours subtotal:	9		
Term 2 - B 22 - 29 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
CHM 101: Introductory Chemistry (SCIT OR SQ) OR CHM 113: General Chemistry I (SCIT OR SQ) OR CHM 114: General Chemistry for Engineers (SCIT OR SQ)	4	C	
SOS 212: Systems, Dynamics and Sustainability (QTRS)	3	C	
 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 - 38 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes

❗ SOS 220: Systems Thinking	3	C	Create a first draft resume and start attending Global Futures career-related workshops and lectures .
NTR 241: Human Nutrition	3	C	
SFS 215: Fundamentals of Sustainable Food Systems (SUST OR L)	3	C	
Term hours subtotal:		9	

Term 3 - B 38 - 47 Credit Hours Critical course signified by ❗	Hours	Minimum Grade	Notes
SFS 216: The Sustainable Plate (SUST)	3	C	
Skills Elective	3	C	
Humanities, Arts and Design (HUAD)	3		
❗ Complete First-Year Composition requirement.			
❗ Complete SOS 211 AND SOS 212 course(s).			
❗ Minimum 2.50 GPA in SOS and SFS.			
❗ Minimum 2.50 GPA ASU Cumulative.			
Complete Mathematics (MATH) requirement.			
Term hours subtotal:		9	

Term 4 - A 47 - 54 Credit Hours	Hours	Minimum Grade	Notes
Second Language: Requirement satisfied through the following: * Completion of language course(s) at the 102 level.	4	C	<ul style="list-style-type: none"> • 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. • Get involved with mentorship opportunities to learn from alumni about career paths.
American Institutions (AMIT)	3		
Term hours subtotal:	7		

Term 4 - B 54 - 62 Credit Hours Critical course signified by ❗	Hours	Minimum Grade	Notes
SOS 182: Water Planet (SCIT OR SQ)	4	C	
Second Language: Requirement satisfied through the following: * Completion of language course(s) at the 102 level.	4	C	
❗ Complete SFS 215 AND SFS 216 course(s).			
❗ Minimum 2.50 GPA in SOS and SFS.			
❗ Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:		8	

Term 5 - A 62 - 71 Credit Hours	Hours	Minimum Grade	Notes
SOS 310: Equity, Justice and Sustainability	3	C	<ul style="list-style-type: none"> • Students will select one focus area and complete 12 credit hours of courses from that area. Students may also talk with their academic advisor to craft a unique focus area. • Begin exploring internship opportunities and meet with the College of Global Futures Internship Advisor to discuss your interests.
SOS 326: Sustainable Ecosystems	3	C	
Focus Area Course	3	C	
Term hours subtotal:		9	

Term 5 - B 71 - 80 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
SOS 311: Future Thinking and Strategies	3	C	

SOS 327: Sustainable Food and Farms	3	C
Upper Division Skills Elective	3	C
★ Minimum 2.50 GPA in SOS and SFS.		
★ Minimum 2.50 GPA ASU Cumulative.		
Term hours subtotal:	9	

Term 6 - A 80 - 89 Credit Hours	Hours	Minimum Grade	Notes
Upper Division Focus Area Course	3	C	<ul style="list-style-type: none"> Students will select one focus area and complete 12 credit hours of courses from that area. Students may also talk with their academic advisor to craft a unique focus area. Meet with the College of Global Futures Career Advisor to review your resume and LinkedIn profile.
Global Communities, Societies and Individuals (GCSI)	3		
Upper Division Elective	3		
Term hours subtotal:	9		

Term 6 - B 89 - 95 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
Governance and Civic Engagement (CIVI)	3		
Upper Division Elective	3		
★ Minimum 2.50 GPA in SOS and SFS.			
★ Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	6		

Term 7 - A 95 - 101 Credit Hours	Hours	Minimum Grade	Notes
Upper Division Focus Area Course	3	C	<ul style="list-style-type: none"> Students will select one focus area and complete 12 credit hours of courses from that area. Students may also talk with their academic advisor to craft a unique focus area.
Upper Division Elective	3		
Term hours subtotal:	6		

Term 7 - B 101 - 107 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
Humanities, Arts and Design (HUAD)	3		<ul style="list-style-type: none"> Meet with the College of Global Futures Career Advisor to discuss and refine your career search process.
Upper Division Elective	3		
★ Minimum 2.50 GPA ASU Cumulative.			
★ Minimum 2.50 GPA in SOS and SFS.			
Term hours subtotal:	6		

Term 8 - A 107 - 113 Credit Hours	Hours	Minimum Grade	Notes
SFS 498: Pro-Seminar (L)	3	B-	<ul style="list-style-type: none"> Students will select one focus area and complete 12 credit hours of courses from that area. Students may also talk with their academic advisor to craft a unique focus area. Complete an in-person or virtual practice interview.
Upper Division Focus Area Course	3	C	
Term hours subtotal:	6		

Term 8 - B 113 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
Complete 2 courses:			



Minimum 2.50 GPA in SOS and SFS.



Minimum 2.50 GPA ASU Cumulative.

Term hours subtotal: 7

- - Students must select one of the following focus areas:
 - Procurement
 - Ecosystem Science
 - Business & Innovation
 - Educational Leadership
 - Global Engagement
 - Policy & Governance
 - Public Health & Nutrition
 - Students must declare a focus area by the end of Term 4.

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

Skills Electives	Procurement	Ecosystem Science
CIS 105: Computer Applications and Information Technology (QTRS OR CS)	AGB 250: Economics of Resource Allocation: Food and Agriculture	ABS 270: Sustainable Biological Systems
CIS 300: Web Design and Development	AGB 370: Food Retailing Strategy Development and Case Competition	ABS 302: Ethical and Policy Issues in Biology
COM 225: Public Speaking (CIVI OR L)	AGB 425: Food Supply Networks	ABS 372: Captive Animal Behavior Management
ECN 211: Macroeconomic Principles (SOBE OR SB)	AGB 435: Commodity Futures and Options Markets	ABS 378: Animal Nutrition
ECN 212: Microeconomic Principles (SOBE OR SB)	AGB 445: Food Retailing	ASB 362: People and Plants
ENG 216: Persuasive Writing on Public Issues (CIVI OR L)	AGB 456: Food Product Innovation and Development	BIO 100: The Living World (SCIT OR SQ) or BIO 181: General Biology I (SCIT OR SQ)
GIS 205: Geographic Information Science I (QTRS OR CS)	AGB 481: Strategic Pricing in Food Markets	BIO 130: Introduction to Environmental Science (SCIT OR SQ)
GIS 211: Geographic Information Science II (QTRS OR CS)	ASB 370: Ethics of Eating (SUST OR L or SB)	BIO 182: General Biology II (SCIT OR SG)
MGT 430: Negotiations	ITA 350: Food and Culture: The Mediterranean Lifestyle in Italy	BIO 304: Plants and Civilization
SOS 232: Professional Skills in Sustainability Practice	NTR 142: Applied Food Principles	BIO 320: Fundamentals of Ecology
TWC 422: Social Media in the Workplace	NTR 300: Computer Applications in Food Service	BIO 322: Conservation of Biodiversity
TWC 443: Grant & Proposal Writing	NTR 343: Food Service Purchasing	MIC 205: Microbiology (SCIT OR SG)
	NTR 344: Nutrition Management and Leadership (L)	PUP 301: Introduction to Urban Planning (L)
	NTR 445: Management of Food Service Systems	SES 106: Habitable Worlds (SCIT OR SQ)
	NTR 455: Retail Food Service Operations	SOS 314: Basic Energy Science
	SOS 328: Sustainability and Enterprise	
	SOS 485: Business and Sustainability II or SCM 485: Business and Sustainability II	

TDM 480: Sustainable Tourism		
Business & Innovation (at least 2 courses must be from AGB, BUS, CIS, ECN, ENT, MGT, MKT or SCM)	Educational Leadership	Global Engagement
AGB 250: Economics of Resource Allocation: Food and Agriculture	AFR 350: Inequality and Diversity in Education (CIVI OR L & C) or JUS 365: Inequality and Diversity in Education (CIVI OR L & C)	AGB 302: International Management and Agribusiness (GCSI OR G)
AGB 302: International Management and Agribusiness (GCSI OR G)	CDE 232: Human Development (SOBE OR SB)	ASB 305: Poverty and Global Health (CIVI OR (L or SB) & C)
AGB 370: Food Retailing Strategy Development and Case Competition	ECD 220: Introduction to Nutrition, Health and Safety	GCU 121: World Geography (GCSI OR SB & G)
AGB 420: Food Advertising and Promotion	EDP 310: Educational Psychology for Non-Teachers	GPH 381: Geography of Natural Resources (SUST OR G)
AGB 425: Food Supply Networks	HEP 102: Foundations of Health Education and Health Promotion	ITA 350: Food and Culture: The Mediterranean Lifestyle in Italy
AGB 435: Commodity Futures and Options Markets	JUS 210: Introduction to Ethnic Studies in the U.S. (SOBE OR C)	POS 160: Global Politics (GCSI OR SB & G)
AGB 445: Food Retailing	NTR 343: Food Service Purchasing	POS 260: Current Issues in International Politics (GCSI OR (L or SB) & G)
AGB 456: Food Product Innovation and Development	NTR 344: Nutrition Management and Leadership (L)	POS 300: Contemporary Global Controversies (GCSI OR SB & G)
AGB 481: Strategic Pricing in Food Markets	NTR 445: Management of Food Service Systems	POS 348: Do You Want to Build a Nation? (CIVI OR L)
ENT 360: Entrepreneurship and Value Creation	NTR 448: Community Nutrition (L)	SOS 322: International Development and Sustainability
MGT 302: Principles of International Business (GCSI OR G)	OGL 200: Introduction to Organizational Leadership (CIVI OR SB)	STS 332: Global Issues in Science and Technology (SB)
MKT 300: Marketing and Business Performance	OGL 220: Behavioral Dynamics in Organizations (SOBE OR SB)	TDM 480: Sustainable Tourism
MKT 390: Essentials of Marketing	OGL 260: Resource Allocation in Organizations (SUST)	
MKT 391: Essentials of Selling	OGL 355: Leading Organizational Innovation and Change	
NTR 343: Food Service Purchasing	SCN 300: Foundations of Environmental Education	
NTR 455: Retail Food Service Operations	TEL 111: Exploration of Education (HUAD OR SB)	
SOS 328: Sustainability and Enterprise	TEL 215: Introduction to Child and Adolescent Development (SOBE OR SB)	
SOS 385: Business and Sustainability I (SUST) or SCM 385: Business and Sustainability I (SUST)	TEL 405: History of Education and Policy Reform in the United States	
SOS 485: Business and Sustainability II or SCM 485: Business and Sustainability II		
TEM 455: Global Impact Entrepreneurship		
Policy & Governance	Public Health & Nutrition	
ABS 302: Ethical and Policy Issues in Biology	AGB 420: Food Advertising and Promotion	
AFR 350: Inequality and Diversity in Education (CIVI OR L & C) or JUS 365: Inequality and Diversity in Education (CIVI OR L & C)	AGB 425: Food Supply Networks	
ASB 370: Ethics of Eating (SUST OR L or SB)	ASB 100: Introduction to Global Health (GCSI OR SB & G)	
	ASB 300: Food and Culture (SOBE OR (L or SB) & C)	

JUS 210: Introduction to Ethnic Studies in the U.S. (SOBE OR C)	ASB 301: Global History of Health (HUAD OR SB & G & H) or SSH 301: Global History of Health (HUAD OR SB & G & H)
JUS 214: The Pursuit of Justice in the 21st Century (CIVI OR SB)	ASB 370: Ethics of Eating (SUST OR L or SB) or HST 301: Global History of Health (HUAD OR SB & G & H)
JUS 377: Arizona, Immigration, Latinos and Politics	ASB 305: Poverty and Global Health (CIVI OR (L or SB) & C)
NTR 448: Community Nutrition (L)	ASB 448: Maternal and Child Health
PAF 201: Economics and Public Policy (SOBE OR SB)	BIO 100: The Living World (SCIT OR SQ) or BIO 181: General Biology I (SCIT OR SQ)
PAF 340: Contemporary Policy Challenges	BIO 182: General Biology II (SCIT OR SG)
PAF 420: Managing Across Boundaries	HCI 311: Health Innovation: Foundational Concepts
POS 216: State and Local Government (SB)	HCR 230: Culture and Health (GCSI OR C & G)
POS 310: American National Government (AMIT OR SB)	HCR 231: Fundamentals of Community Health
POS 313: The Congress (AMIT OR SB)	HCR 336: Environmental Community Health
POS 325: Public Policy Development (CIVI OR SB)	HSC 355: Eating for Lifelong Health (SOBE OR SB)
PUP 301: Introduction to Urban Planning (L)	ITA 350: Food and Culture: The Mediterranean Lifestyle in Italy
SOS 321: Policy and Governance in Sustainable Systems	NTR 142: Applied Food Principles
SOS 322: International Development and Sustainability	NTR 320: History of Human Nutrition (HUAD OR H)
	NTR 343: Food Service Purchasing
	NTR 344: Nutrition Management and Leadership (L)
	NTR 348: Cultural Aspects of Food (GCSI OR SB & C & G)
	NTR 351: Nutrition Communication (L)
	NTR 353: The Western Diet
	NTR 445: Management of Food Service Systems
	NTR 448: Community Nutrition (L)
	NTR 450: Nutrition in the Life Cycle (SOBE OR SB)
	NTR 455: Retail Food Service Operations
	PBH 422: Health Disparities and Access to Health
	POP 100: Introduction to Population Health
	TDM 480: Sustainable Tourism

- **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.