2024 - 2025 Major Map

Sustainable Food Systems, BS

School/College: College of Global Futures SUSFOSYSBS

Ferm 1 0 - 14 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	С	 SOS 191 or college-specific equivalent First-Year Seminar required of all
 SOS 191: Introduction to ASU & SOS for First Year Students OR SOS 201: Introduction to ASU and School of Sustainability for Transfer Students 	1	С	 SOS 201 required of all Sustainability transfer students.
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	С	• ASU Language Placement: Only true beginners are eligible for 101-level courses. All other students are required to
SOS 111: Sustainable Cities (SUST OR (HU or SB) & G)	3	С	take a placement or proficiency exam,
Second Language: Requirement satisfied through the following: * Completion of language course(s) at the 102 level.	4	С	regardless of prior credit earned. CLEP and AP credit are also viable options for fulfilling the second language
Minimum 2.50 GPA in SFS and SOS.			requirement.
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	14		

Term 2 14 - 30 Credit Hours Critical course signified by �	Hours	Minimum Grade
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	С
SOS 110: Sustainable World (SUST OR SB)	3	С
SOS 211: Calculus and Probability for the Life and Social Sciences (MATH)	3	С
Second Language: Requirement satisfied through the following: * Completion of language course(s) at the 102 level.	4	С
Social and Behavioral Sciences (SOBE)	3	
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).		
Complete SOS 110 AND SOS 111 course(s).		
Minimum 2.50 GPA in SFS and SOS.		
Minimum 2.50 GPA ASU Cumulative.		

 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.

Notes

• Join a student club or professional organization.

Term 3 30 - 46 Credit Hours Critical course signified by �	Hours	Minimum Grade	
SOS 220: Systems Thinking	3	С	• Create a firs
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		attending G workshops :
SFS 215: Fundamentals of Sustainable Food Systems (SUST OR L)	3	С	
SOS 212: Systems, Dynamics and Sustainability (QTRS)	3	С	

Term hours subtotal:

16

3.1		
	otes	2

irst draft resume and start Global Futures career-related and lectures.

Humanities, Arts and Design (HUAD)

3

16

Complete First-Ye	ear Composition requirement.
-------------------	------------------------------

🜗 Minimum 2.50 GPA in SFS and SOS.

🜗 Minimum 2.50 GPA ASU Cumulative.

Complete Mathematics (MATH) requirement.

Term hours subtotal:

erm 4 46 - 62 Credit Hours Critical course signified by 🔶	Hours	Minimum Grade	Notes
NTR 241: Human Nutrition	3	С	• Cat involved with montowhin
SFS 216: The Sustainable Plate (SUST)	3	С	 Get involved with mentorship opportunities to learn from alumni about
SOS 182: Water Planet (SCIT OR SQ)	4	С	career paths.
American Institutions (AMIT)	3		
Humanities, Arts and Design (HUAD)	3		
Complete SFS 215 AND SFS 216 course(s).			
Complete SOS 211 AND SOS 212 course(s).			
Minimum 2.50 GPA in SFS and SOS.			
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtota			

erm 5 62 - 77 Credit Hours Necessary course signified by 😭	Hours	Minimum Grade	Notes
SOS 310: Equity, Justice and Sustainability	3	С	• De sin contanio sintematia concentration
SOS 311: Future Thinking and Strategies	3	С	 Begin exploring internship opportunities and meet with the College of Global
SOS 326: Sustainable Ecosystems	3	С	Futures Internship Advisor to discuss your
SOS 327: Sustainable Food and Farms	3	С	interests.
Skills Elective	3	С	
Minimum 2.50 GPA in SFS and SOS.			
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:			

Term 6 77 - 92 Credit Hours Necessary course signified by 🛠	Hours	Minimum Grade
Upper Division Focus Area Course	3	С
Upper Division Skills Elective	3	С
Focus Area Course	3	С
Global Communities, Societies and Individuals (GCSI)	3	
Governance and Civic Engagement (CIVI)	3	
🚖 Minimum 2.50 GPA in SFS and SOS.		
🜟 Minimum 2.50 GPA ASU Cumulative.		
Term hours subtotal:	15	

Term 7 92 - 107 Credit Hours Necessary course signified by 🛠	Hours	Minimum Grade
Upper Division Focus Area Course	3	С
CGF 484: Internship OR Upper Division Elective	3	
<i>Complete 3 courses:</i> Upper Division Elective	9	
Hinimum 2.50 GPA in SFS and SOS.		
☆ Minimum 2.50 GPA ASU Cumulative.		
Term hours subtotal:	15	

Notes

- · 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.

Notes
• 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 discuss and refine your career search process.

Term 8 107 - 120 Credit Hours Necessary course signified by 🛠	Hours	Minimum Grade
SFS 498: Pro-Seminar (L)	3	B-
Upper Division Focus Area Course	3	С
Complete 2 courses: Upper Division Elective	6	
Elective	1	
☆ Minimum 2.50 GPA in SFS and SOS.		
☆ Minimum 2.50 GPA ASU Cumulative.		

• 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.

Notes

• Complete an in-person or virtual practice interview.

• Students must select one of the following focus areas:

Term hours subtotal:

13

- 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
AIS 440: Cultural Professionalism (C)	AGB 250: Economics of Resource	ABS 207: Applied Plant Taxonomy
AME 130: Prototyping Dreams (L)	Allocation: Food and Agriculture	ABS 270: Sustainable Biological Systems
CIS 105: Computer Applications and Information Technology (QTRS OR CS)	AGB 425: Food Supply Networks	ABS 274: Introduction to Wildlife
	AGB 435: Commodity Futures and Options	Management
CIS 300: Web Design and Development	Markets	ABS 314: Applied Plant Physiology
COM 225: Public Speaking (CIVI OR L)	AGB 445: Food Retailing	ABS 318: Unseen Life on Earth
COM 353: Professional Communication	AGB 456: Food Product Innovation and Development	ABS 368: Plant Propagation
COM 414: Crisis Communication	AGB 481: Strategic Pricing in Food Markets	ABS 370: Ecology
ECN 211: Macroeconomic Principles (SOBE OR SB)	NTR 142: Applied Food Principles	ABS 372: Captive Animal Behavior Management
ECN 212: Microeconomic Principles (SOBE	NTR 300: Computer Applications in Food Service	ABS 376: Wildlife Ecology
OR SB)	NTR 343: Food Service Purchasing	ABS 378: Animal Nutrition
ENG 216: Persuasive Writing on Public Issues (CIVI OR L)	NTR 344: Nutrition Management and Leadership (L)	ABS 384: Natural Resources Measurements
FIS 305: Ways of Knowing (L)		ABS 430: Watershed Management
GIS 205: Geographic Information Science I	NTR 445: Management of Food Service Systems	ABS 464: Desert Horticulture
(QTRS OR CS)	NTR 455: Retail Food Service Operations	ABS 479: Ecosystem Management and Planning (L)
GIS 211: Geographic Information Science II (QTRS OR CS)	SOS 328: Sustainability and Enterprise	ASB 362: People and Plants
MGT 430: Negotiations	SOS 485: Business and Sustainability II or SCM 485: Business and Sustainability II	BIO 100: The Living World (SCIT OR SQ) or BIO 181: General Biology I (SCIT OR
NLM 300: Fund Raising and Resource		
Development	TDM 481: Sustainable Food Management in Tourism	SQ)

TWC 422: Social Media in the Workplace

Business & Innovation (at least 2 courses

AGB 100: Introduction to Agribusiness

MGT, MKT or SCM)

must be from AGB, BUS, CIS, ECN, ENT,

TWC 443: Grant & Proposal Writing

BIO 130: Introduction to Environmental Science (SCIT OR SQ)

BIO 182: General Biology II (SCIT OR SG)

BIO 320: Fundamentals of Ecology

BIO 322: Conservation of Biodiversity

BIO 386: General Entomology

BIO 405: Sonoran Desert Field Botany

BMY 230: How Nature Works

BMY 302: Principles of Life

CEE 181: Technological, Social, and Sustainable Systems (SUST OR HU)

MIC 205: Microbiology (SCIT OR SG)

PLB 302: Plants and Civilization

SES 106: Habitable Worlds (SCIT OR SQ)

SOS 314: Basic Energy Science

Global Engagement

AGB 302: International Management and Agribusiness (GCSI OR G)

AIS 180: Introduction to American Indian Studies (SOBE OR C)

AIS 320: American Indian Philosophies and World Views (HUAD OR HU & C)

AIS 480: Actualizing Decolonization (HU & C & G)

ASB 305: Poverty and Global Health (CIVI OR (L or SB) & C)

GCU 121: World Geography (GCSI OR SB & G)

GCU 432: Geography of China

JHR 305: Theory and Practice of Social Justice and Human Rights (CIVI OR SB & G)

POS 160: Global Politics (GCSI OR SB & G)

POS 240: Introduction to Southeast Asia ((HU or SB) & G)

POS 260: Current Issues in International Politics (GCSI OR (L or SB) & G)

POS 348: Do You Want to Build a Nation? (CIVI OR L)

POS 367: World Politics and Global Inequalities (GCSI OR G)

POS 454: Mexico (SB & G)

POS 480: Global Justice (GCSI OR G)

AGB 250: Economics of Resource Allocation: Food and Agriculture AGB 302: International Management and Agribusiness (GCSI OR G) AGB 321: Agribusiness Marketing AGB 333: Agribusiness Finance AGB 410: Agribusiness Management AGB 414: Food and Agribusiness Policy Issues (L) AGB 420: Food Advertising and Promotion AGB 425: Food Supply Networks AGB 435: Commodity Futures and Options Markets AGB 445: Food Retailing AGB 452: Global Food and Agricultural Trade AGB 456: Food Product Innovation and Development AGB 481: Strategic Pricing in Food Markets BUS 434: Business Risk Management ENT 305: Principles of Entrepreneurship ENT 340: Creativity and Innovation (L or HU)

Educational Leadership

CDE 232: Human Development (SOBE OR SB)

CDE 337: Early Childhood Intervention

ECD 220: Introduction to Nutrition, Health and Safety

EDP 310: Educational Psychology for Non-Teachers

HEP 102: Foundations of Health Education and Health Promotion

NTR 343: Food Service Purchasing

NTR 344: Nutrition Management and Leadership (L)

NTR 445: Management of Food Service Systems

OGL 200: Introduction to Organizational Leadership (CIVI OR SB)

OGL 220: Behavioral Dynamics in Organizations (SOBE OR SB)

OGL 260: Resource Allocation in Organizations (SUST)

OGL 355: Leading Organizational Innovation and Change

SCN 209: Introduction to Environmental Education Project

SCN 300: Foundations of Environmental Education

SCN 301: Ecology and Natural History of the Sonoran Desert (SCIT OR SG)

ENT 360: Entrepreneurship and Value Creation	SCN 302: Environmental Education: A Global Perspective (SUST OR L & G)	SGS 203: Contemporary Global Trends (SB & G)
FIS 308: Politics, Markets and Innovation (CIVI OR SB)	TEL 111: Exploration of Education (HUAD OR SB)	SOS 322: International Development and Sustainability
MGT 302: Principles of International Business (GCSI OR G)	TEL 215: Introduction to Child and Adolescent Development (SOBE OR SB)	STS 329: Technology in Developing Countries (SB & G)
MKT 300: Marketing and Business Performance	USL 402: Service Learning: Education & Youth (C)	STS 332: Global Issues in Science and Technology (SB)
MKT 390: Essentials of Marketing		ARB 250: Middle East Culture in a Global
MKT 391: Essentials of Selling		Perspective (GCSI OR HU & G)
MKT 395: Essentials of Advertising and Marketing Communication		GPH 381: Geography of Natural Resources (SUST OR G)
MKT 435: Entrepreneurial Marketing		
NTR 343: Food Service Purchasing		
NTR 455: Retail Food Service Operations		
SOS 328: Sustainability and Enterprise		
SOS 385: Business and Sustainability I (SUST) or SCM 385: Business and Sustainability I (SUST)		
SOS 485: Business and Sustainability II or SCM 485: Business and Sustainability II		
TDM 481: Sustainable Food Management in Tourism		
TEM 455: Global Impact Entrepreneurship		
Policy & Governance	Public Health & Nutrition	
AGB 414: Food and Agribusiness Policy Issues (L)	AGB 414: Food and Agribusiness Policy Issues (L)	
AGB 452: Global Food and Agricultural Trade	AGB 420: Food Advertising and Promotion	
AIS 380: Contemporary Issues of American	AGB 425: Food Supply Networks	
Indian Nations (C)	ASB 300: Food and Culture (SOBE OR (L or SB) & C)	
JUS 377: Arizona, Immigration, Latinos and Politics	ASB 100: Introduction to Global Health (GCSI OR SB & G)	
PAF 201: Economics and Public Policy (SOBE OR SB)	ASB 301: Global History of Health (HUAD OR SB & G & H)	
PAF 340: Contemporary Policy Challenges		
PAF 420: Managing Across Boundaries	ASB 305: Poverty and Global Health (CIVI OR (L or SB) & C)	
POS 216: State and Local Government (SB)	ASB 355: Traditional Medicine and Healing	
POS 310: American National Government (AMIT OR SB)	(HU or SB) ASB 443: Cross-Cultural Studies in Global	
	Health (GCSI OR (L or SB) & G) or SSH	
POS 313: The Congress (AMIT OR SB)		
POS 313: The Congress (AMIT OR SB) POS 325: Public Policy Development (CIVI OR SB)	403: Cross-Cultural Studies in Global Health (GCSI OR (L or SB) & G) ASB 448: Maternal and Child Health	

Page 5

POS 472: Constitutional Law II (SB)	BIO 100: The Living World (SCIT OR SQ) or BIO 181: General Biology I (SCIT OR SQ) BIO 182: General Biology II (SCIT OR SG)	
POS 480: Global Justice (GCSI OR G)		
SOS 321: Policy and Governance in Sustainable Systems		
SOS 322: International Development and Sustainability	HCI 311: Health Innovation: Foundational Concepts	
	HCR 230: Culture and Health (GCSI OR C & G)	
	HCR 231: Fundamentals of Community Health	
	HCR 336: Environmental Community Health	
	HSC 355: Eating for Lifelong Health (SOBE OR SB)	
	ITA 350: Food and Culture: The Mediterranean Lifestyle in Italy	
	NTR 142: Applied Food Principles	
	NTR 320: History of Human Nutrition (HUAD OR H)	
	NTR 343: Food Service Purchasing	
	NTR 344: Nutrition Management and Leadership (L)	
	NTR 345: Development of Healthy Cuisines	
	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	

• 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.