

SUSTAINABLE AGRICULTURE & FOOD SYSTEMS - SUSTAINABLE AGRICULTURE OPTION

EFFECTIVE FALL 2023

Student:

ID No.:

Advisor:

I. GENERAL EDUCATION (min 40

cr) Knowledge

A1. STEM

A2. Social and Behavioral Sciences

A3. Humanities

A4. Arts and Design **Competencies**

B1. Write effectively

B2. Communicate effectively

B3. Math, stats, computation

B4. Information literacy

Responsibilities

C1. Civic knowledge & responsibility C2.

Global responsibilities

C3. Diversity and inclusion

Integrate & Apply

D1. Ability to Synthesize

(e.g. SAF400G, PLS324, AVS/NUT/SAF404)

Grand Challenge

G. Grand Challenge Course

Additional General Education

Additional General Education

Additional General Education

Additional General Education

II. PRE-PROFESSIONAL & BASIC SCIENCES

(33 cr required)

A. Biology (8 cr)

Principles of Biology I* (3,1; F,S) (A1)

Principles of Biology II (3,1; F,S) (A1)

B. Chemistry (4 cr)

CHM 101/102 or 103/105 (3,1; F,S)

C. Food and Society (3 cr)

APG/GWS/SOC308 Sust Ag & Food Cult
or SAF383 Food Justice

D. Intro to Soil Science (3 cr)

E. Intro to SAFS (15 cr)

Sustainable Ag, Food Syst & Soc (3) (A2)

Economics (3, EEC 105 or 210, INE 149)

Sustain., (3, Ex: Com/SUS 108G, 315, 460)

The Problem of Hunger in the US (3) (A2,C1)

General Nutrition (3) (A1,B3)

*** Additional Concentration:** Choose agriculture & food related courses from AFS, AVS, ENT, NRS, PLS, SAF; ****Environment-related options include:** AVS/PLS275, CHE212, ENT555, ENT/BIO/NRS388, NRS223, NRS234G, OCG123G ***** See list of interdisciplinary options** ******Any internship/special project course code in:** AFS, APG, AVS, NUT, PLS, SOC, and SAF. **#Supporting Electives:** Any course from AFS, APG, AVS, EEC, ENT, MAF, NRS, PLS, SOC, SAF.

Approved for Graduation:

Advisor: _____ Date: _____

III. PROFESSIONAL CONCENTRATION (min 21 cr total)

Course Description:

Intro Sustainable Agr-Choose min 2 from below (min 6 cr)

Course Description:	Course No.	Grade	Cr.
Food from the Sea (A1,G) & Lab	AFS105G/106 (4)		
Intro Animal Science (A1) & Lab	AVS101/102 (4)		
Plants, People & the Planet (A1)	PLS150 (3)		
Applied Plant Biology	PLS255 (3)		

Agricultural Mgt - Choose min 2 from below (min 6 cr)

Course Description:	Course No.	Grade	Cr.
Finfish Aquaculture	AFS201 (4)		
Shellfish Aquaculture	AFS202 (3)		
Fisheries Science	AFS215 (3)		
World Fishing Methods	AFS321/322 (4)		
Advanced Animal Management Tech	AVS 304 (2)		
Animal Management I	AVS323 (3)		
Animal Management II	AVS324 (3)		
Fruit Culture	PLS311 (3)		
Fruit Culture Practicum	PLS312 (2)		
Sustainable Grain Prod	PLS321 (4)		
Vegetable Crops (D1,B4)	PLS324 (4)		
Hydroponic & Greenhouse Veg. Prod.	PLS325 (2)		

Additional courses (to substitute for any of above)*

Course Description:	Course No.	Grade	Cr.

Environment-related - Choose one (min 3 cr)**

Course Description:	Course No.	Grade	Cr.

IV. INTERDISCIPLINARY COMPONENT (min 12 cr.)

Choose 1-3 courses from Food & Society Option ***

Course Description:	Course No.	Grade	Cr.

Choose 1-3 courses from Nutrition & Food Option ****

Course Description:	Course No.	Grade	Cr.

V. CAPSTONE (12 cr total, 3 cr internship)

Grade Cr.

Course Description:	Course No.	Grade	Cr.

VI. SUPPORTING ELECTIVES (min 18 cr)

Grade Cr.

Course Description:	Course No.	Grade	Cr.

VII. Other electives to meet 120 cr minimum

Grade Cr.

Course Description:	Course No.	Grade	Cr.
Planning for Academic Success	URI101 (1)		

Course Credits Required: 120 Course Credits Completed:

B.S. Sustainable Agriculture & Food Systems
Effective Fall 2023

Interdisciplinary Component from the Food and Society Option

APG/MAF 413 Peoples of the Sea
APG 203 Cultural Anthropology
APG/SOC 329 Contemporary Mexican Society
APG/SOC 415 Migration in the Americas
COM/SUS 108G Spaceship Earth: Communication and Sustainability
COM 315 Environmental Dimensions of Communication
COM 460 Environmental Communication: Local & Global
EEC 205 Environmental Economics and Policy
EEC 310 Economics of Natural Resource Management and Policy
EEC 350 Sustainable Energy Economics and Policy
EEC 355 The Economics of Climate Change
EEC 440 Benefit-Cost Analysis
INE 304G Social Entrepreneurship & Innovation
GWS 490 Advanced Topics in Women's Studies
MAF 100 Human Use and Mgt of the Marine Environment
MAF 330 World Fishing

Interdisciplinary Component from the Nutrition and Food Option

NUT 212 Public Health Nutrition
NUT 336 Scientific Principles of Food I (pre-req CHM124) NUT 375 Food Service Management I
NUT 394 Nutrition through the Lifecycle I
NUT/CMB 245 Food Safety
NUT 337 Scientific Principles of Food II
NUT 376 Food Service Management II
NUT 395 Nutrition through the Lifecycle II

Interdisciplinary Component from the Sustainable Agriculture Option

AFS 105G Food from the Sea
AFS 201 Shellfish Aquaculture
AFS 202 Finfish Aquaculture
AFS 321 World Fishing Methods
AVS 101 Introduction to Animal Science
AVS/PLS 275 Pasture & Grazing Management in Sustainable Agriculture
NRS 212 Introduction to Soil Science
PLS 150 Plants, People, and the Planet
PLS 255 Horticulture Plant Science

Optional Capstone Courses

AVS/NUT/SAF 404 Food Systems, Sustainability & Health
MAF 350 Introduction to Global Issues in Sustainable Development
PLS 320 Sustainable Landscape Design
SAF 400G Reimagining Food Systems Through Agroecology
WRT 404 Writing with Community Partners

B.S. Sustainable Agriculture & Food Systems - Sustainable Agriculture Option - Effective Fall 2023

Freshman Year *Fall* Semester

Course Code	Description	Cr	
URI 101	Planning for Academic Success	1	
*BIO 101,103	Principles of Biology I	4	
NUT 207	General Nutrition	3	
AFS/AVS/PLS132G	Sustainable Ag, Food Systems, & Society	3	
EEC 105	Introduction to Resource Econ	3	
	URI 101	1	
		15	

Freshman Year *Spring* Semester

Course Code	Description	Cr	
*BIO 102,104	Principles of Biology II	4	
AFS 105G, AVS101, or PLS150	*General Education - Agriculture Related	3	
MTH103, MTH 111 or MTH 131	Applied Precalculus, Precalculus, or Applied Calculus	3	
	Sustainable Agriculture Concentration	3-4	
	*General Education	3-4	
		16-18	

Year 1 Milestones: Earn 30 credits and a gpa of 2.0 or higher. Meet with your Advisor for SAFS option discussion.

Sophomore Year *Fall* Semester

Course Code	Description	Cr	
CHM 101,102 or CHM 103,105	Chemistry 101 or Introductory Chemistry	4	
APG/GWS/SOC 308	Sust Agriculture & Food Cultures or Sustainable Agriculture Concentration	3-4	
	Sustainable Agriculture Concentration	3-4	
	Interdisciplinary Component	3-4	
	Supporting or Free Elective	3-4	
		16-20	

Sophomore Year *Spring* Semester

Course Code	Description	Cr	
SAF308	Food Justice or Sustainable Agriculture Concentration	3	
	Sustainable Agriculture Concentration	3-4	
	Interdisciplinary Component	3-4	
	Supporting or Free Elective	3-4	
	Supporting or Free Elective	3-4	
		15-19	

Year 2 Milestones: Earn 60 credits and a gpa of 2.0 or higher. Meet with your Advisor to discuss major, internships and research opportunities.

Junior Year *Fall* Semester

Course Code	Description	Cr	
NRS 212	Introduction to Soil Science	3	
	Interdisciplinary Component	3-4	
*NRS 300	Introduction to Global Issues in Sustainable Development	3	
	Internship or Experiential Learning	3-4	
	*General Education	3-4	
		15-18	

Junior Year *Spring* Semester

Course Code	Description	Cr	
	Sustainable Agriculture Concentration	3-4	
	Interdisciplinary Component	3-4	
HSS/PSY 130G	The Problem of Hunger in the US	3	
	Supporting/Free Elective/Special Projects or Internship	3-4	
	*General Education	3-4	
		15-19	

Year 3 Milestones: Earn 90 credits and a gpa of 2.0 or higher. Meet with your Advisor to prepare intent to graduate application for fall submission.

Senior Year *Fall* Semester

Course Code	Description	Cr	
AVS/NUT/SAF 404	Food Systems, Sustainability and Health	3	
	Sustainable Agriculture Concentration	3-4	
	Sustainable Agriculture Concentration	3-4	
	Supporting or Free Elective	3-4	
	Supporting/Free Elective/Special Projects or Internship	3-4	
		15-19	

Senior Year *Spring* Semester

Course Code	Description	Cr	
PLS 320	Landscape Design or other capstone	4	
SAF400G	Reimagining Food Syst Through Agroeco	3	
	Supporting/Free Elective/Special Projects or Internship	3-4	
	Supporting or Free Elective	3-4	
	Supporting or Free Elective	3	
		16-18	

Year 4 Milestones: Earn 120 credits and a GPA of 2.0 or higher in CUM and CON. Complete all remaining required courses.

Total Credits to Graduate = 120