

**SUSTAINABLE AGRICULTURE & FOOD SYSTEMS - SUSTAINABLE AGRICULTURE OPTION**

EFFECTIVE FALL 2021

Student: \_\_\_\_\_

ID No.: \_\_\_\_\_

Advisor: \_\_\_\_\_

<b>I. GENERAL EDUCATION (min 40 cr)</b>			
	Course No.	Grade	Cr.
<b>Knowledge</b>			
A1. STEM	BIO 101/103		
A2. Social and Behavioral Sciences	AFS/AVS/PLS132G		
A3. Humanities			
A4. Arts and Design			
<b>Competencies</b>			
B1. Write effectively			
B2. Communicate effectively			
B3. Math, stats, computation	NFS210		
B4. Information literacy			
<b>Responsibilities</b>			
C1. Civic knowledge & responsibility	HSS/PSY130G		
C2. Global responsibilities			
C3. Diversity and inclusion			
<b>Integrate &amp; Apply</b>			
D1. Ability to Synthesize			
<small>(e.g. SAF400G, PLS324, AVS/NFS/SAF404)</small>			
<b>Grand Challenge</b>			
G. Grand Challenge Course	HSS/PSY130G		
Additional General Education	BIO102/104		
Additional General Education	CHM		
Additional General Education			
Additional General Education			

<b>II. PRE-PROFESSIONAL &amp; BASIC SCIENCES (31 cr required)</b>			
	Course No.	Grade	Cr.
<b>A. Biology (8 cr)</b>			
Principles of Biology I* (3,1; F,S) (A1)	BIO101/103		
Principles of Biology II (3,1; F,S) (A1)	BIO102/104		
<b>B. Chemistry (4 cr)</b>			
CHM 101/102 or 103/105 (3,1; F,S)	CHM		
<b>C. Intro to SAFS (19 cr)</b>			
Sustainable Ag, Food Syst & Soc (3; F,S) (A2)	AFS/AVS/PLS132G		
Intro to Resource Econ (3; F,S) (A2)	EEC105		
One Course in Communication and Sustainability <small>(e.g. COM/SUS108G, 315, or 460)</small>			
The Problem of Hunger in the US (3,S) (A2,C1)	HSS/PSY130G		
Applied General Nutrition (4;F,S) (A1,B3)	NFS210		
Sustainable Ag & Food Cultures (3, S)	APG/GWS/SOC308		

\* **Additional Concentration:** choose agriculture & food related courses from AFS, AVS, ENT, NRS, PLS; \*\* **Food & Society:** e.g. MAF100, APG/MAF413, APG203, APG/SOC329, APG/SOC415, EEC205, EEC310, EEC350, EEC355, GWS490. \*\*\* **Nutrition & Food:** NFS212, NFS245, NFS336, (has CHM124 as prereq), NFS337, NFS375, NFS376, NFS394, NFS395. \*\*\*\* **Options for Internship:** AFS 391/392, AVS/PLS399, AFS/AVS/PLS491/492, NFS 451, NFS 491, SOC 497. #**Supporting Electives:** Any course from AFS, APG, AVS, EEC, ENT, MAF, NRS.

**Approved for Graduation:**

Advisor: \_\_\_\_\_ Date: \_\_\_\_\_

<b>III. PROFESSIONAL CONCENTRATION (min 21 cr total)</b>			
Course Description:	Course No.	Grade	Cr. Off.
<b>Intro Sustainable Agr-Choose min 2 from below (min 6 cr)</b>			
Food from the Sea (A1,G) & Lab	AFS105G/106 (4)		F
Intro Animal Science (A1) & Lab	AVS101/102 (4)		FS
Plants, People & the Planet (A1)	PLS150 (3)		FS
Applied Plant Biology	PLS255 (3)		S
<b>Agricultural Mgt - Choose min 2 from below (min 6 cr)</b>			
Finfish Aquaculture	AFS201 (4)		S
Shellfish Aquaculture	AFS202 (3)		F
Fisheries Science	AFS215 (3)		F
World Fishing Methods	AFS321/322 (4)		S
Advanced Animal Management Tech	AVS 304 (2)		FS
Animal Management I	AVS323 (3)		S
Animal Management II	AVS324 (3)		S
Fruit Culture	PLS311 (3)		S
Fruit Culture Practicum	PLS312 (2)		S
Sustainable Grain Prod	PLS321 (4)		F
Vegetable Crops (D1,B4)	PLS324 (4)		F
Vegetable Crops Prod Tech	PLS325 (2)		S
<b>Environment-Related - Choose min 2 from below (min 6 cr)</b>			
Intro to Soil Science	NRS212 (4)		F
Pasture & Grazing in Sus Ag	AVS/PLS275 (4)		F
Chemical Processes Calculations	CHE212 (3)		F
Pesticides and the Environment	ENT411 (3)		S
<b>Additional courses (to substitute for any of above)*</b>			

<b>IV. Interdisciplinary component (min 12 cr.)</b>			
	Grade	Cr.	
<b>Choose 2 courses from Food &amp; Society Option **</b>			
<b>Choose 2 courses from Nutrition &amp; Food Option ***</b>			

<b>V. CAPSTONE (min 12 cr total, min 3 cr internship)</b>			
	Course No.	Grade	Cr.
Global Issues Sust Develop	NRS300 (3, A2, C2)		All
Reimagining Food Syst. Agroecol	SAF400G (3,D1)		F
Food Syst, Sust & Health (D1B4)	AVS/NFS/SAF404 (3)		F
(Sust) Landscape Design	PLS320 (3)		S
Agroecology & Global Food Sys.	PLS385 (3)		
Internship or Special Project****			

<b>VI. SUPPORTING# (min 18) AND OTHER ELECTIVES</b>			
	Grade	Cr.	
Planning for Academic Success	URI101 (1)		F

**Course Credits Required:** 120  
**Course Credits Completed:** \_\_\_\_\_

**B.S. Sustainable Agriculture & Food Systems -Sustainable Agriculture Option  
Effective Fall 2021**

**Interdisciplinary Component from the Food and Society Option**

MAF 100 Human Use and Mgt of the Marine Environemnt  
APG/MAF 413 Peoples of the Sea  
APG 203 Cultural Anthropology  
APG/SOC 329 Contemporary Mexican Society  
APG/SOC 415 Migration in the Americas  
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  
GWS 490 Gender, Agriculture & Sustainability

**Interdisciplinary Component from the Nutrition and Food Option**

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

## B.S. Sustainable Agriculture & Food Systems - Sustainable Agriculture Option - Effective Fall 2021

### Freshman Year *Fall* Semester

Course Code	Description	Cr	
URI 101	Planning for Academic Success	1	
*BIO 101,103	Principles of Biology I	4	
AFS 105G, AVS101 or PLS150	*General Education - Agriculture Related	3-4	
EEC 105	Introduction to Resource Economics	3	
	*General Education	3	
		<b>14-15</b>	

### Freshman Year *Spring* Semester

Course Code	Description	Cr	
AFS/AVS/PLS132G	Sustainable Ag, Food Systems, & Society	3	
*BIO 102,104	Principles of Biology II	4	
*NFS 210	Applied General Nutrition	4	
MTH103, MTH 111 or MTH 131	Applied Precalculus, Precalculus, or Applied Calculus	3	
	*General Education	3-4	
		<b>17-18</b>	

**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	
	Sustainable Agriculture Concentration	3-4	
	Interdisciplinary Component	3-4	
	Supporting or Free Elective	3	
	Supporting or Free Elective	3-4	
		<b>16-19</b>	

### Sophomore Year *Spring* Semester

Course Code	Description	Cr	
SOC/APG/GWS 308	Sustainable Agriculture and Food Cultures	3	
	Sustainable Agriculture Concentration	3-4	
	Interdisciplinary Component	3-4	
	Supporting or Free Elective	3-4	
	Supporting or Free Elective	3-4	
		<b>15-19</b>	

**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	
	Concentration	3-4	
	Interdisciplinary Component	3-4	
*NRS 300	Introduction to Global Issues in Sustainable Development	3	
	Internship or Experiential Learning	3-4	
	*General Education	3-4	
		<b>15-19</b>	

### 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	
		<b>15-19</b>	

**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/NFS/SAF 404	Food Systems, Sustainability and Health	3	
SAF400G	Reimagining Food Syst through Agroecology	3-4	
	Supporting/Free Elective/Special Projects or Internship	3-4	
	Supporting or Free Elective	3-4	
	Concentration ( 200 or above)	3	
		<b>15-18</b>	

### Senior Year *Spring* Semester

Course Code	Description	Cr	
PLS 320	Landscape Design or other capstone	4	
	Sustainable Agriculture Concentration	3-4	
	Supporting/Free Elective/Special Projects or Internship	3-4	
	Supporting or Free Elective	3-4	
	Supporting or Free Elective	3	
		<b>16-19</b>	

**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**