

SUSTAINABLE AGRICULTURE AND FOOD SYSTEMS - NUTRITION & FOOD OPTION

EFFECTIVE FALL 2018

Student: _____ **ID No.:** _____ **Advisor:** _____

I. GENERAL EDUCATION (min 40 cr)

| Knowledge | Course No. | Grade | Cr. |
|--|-----------------|-------|-----|
| A1. STEM | BIO101/103 | | |
| A2. Social and Behavioral Sciences | AFS/AVS/PLS132G | | |
| A3. Humanities | | | |
| A4. Arts and Design Competencies | | | |
| B1. Write effectively | | | |
| B2. Communicate effectively | | | |
| B3. Math, stats, computation | NFS210 | | |
| B4. Information literacy | COM/SUS108G | | |
| Responsibilities | | | |
| C1. Civic knowledge & responsibility | | | |
| C2. Global responsibilities | HSS/PSY130G | | |
| C3. Diversity and inclusion Integrate | | | |
| & Apply | | | |
| D1. Ability to Synthesize (e.g. SAF400G, PLS324, AVS/NFS/SAF404) | | | |
| Grand Challenge | | | |
| G. Grand Challenge Course | HSS/PSY130G | | |
| Additional General Education | BIO102/104 | | |
| Additional General Education | CHM | | |
| Additional General Education | | | |
| Additional General Education | | | |

III. PROFESSIONAL CONCENTRATION (min 21 cr total)

| Course Description: | Course No. | Grade | Cr. | Off: |
|---|---------------|-------|-----|----------|
| Nutrition & Food Concentration | | | | |
| Public Health Nutrition (A2C3) | NFS212G (3) | | | all |
| Food Safety & Microbiology | NFSCMB245 (3) | | | Alt F(e) |
| Scientific Principles of Food I | NFS336 (4) | | | F |
| Scientific Principles of Food II | NFS337 (4) | | | S |
| Food Service Management I | NFS375 (3) | | | F |
| Food Service Management II | NFS376 (4) | | | S |

IV. Interdisciplinary component (min 12 cr.) Grade Cr.

Choose 2 courses from Food & Society Option **

| | | | | |
|--|--|--|--|--|
| | | | | |
| | | | | |

Choose 2 courses from Sustainable Agriculture Option ***

| | | | | |
|--|--|--|--|--|
| | | | | |
| | | | | |

V. CAPSTONE (min 12 cr) Grade Cr.

| | | | | |
|-----------------------------------|--------------------|--|--|-----|
| Global Issues Sust Develop | NRS300 (3) | | | 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 |
| Internship or Special Project**** | | | | All |

II. PRE-PROFESSIONAL & BASIC SCIENCES (31 cr required) Grade Cr.

A. Biology (8 cr)

| | | | |
|-------------------------------------|------------|--|--|
| Principles of Biology I* (3,1; F,S) | BIO101/103 | | |
| Principles of Biology II (3,1; F,S) | BIO102/104 | | |

B. Chemistry (4 cr)

| | | | |
|-----------------------------------|-----|--|--|
| CHM 101/102 or 103/105 (3,1; F,S) | CHM | | |
| Organic Chemistry CHM 124/126 | | | |

C. Intro to SAFS (19 cr)

| | | | |
|--|-----------------|--|--|
| Sustainable Ag, Food Syst & Soc (3; F,S) | AFS/AVS/PLS132G | | |
| Intro to Resource Econ (3; F,S) | EEC105 | | |
| Spaceship Earth: An intro to Systems (3,J) | COM/SUS108G | | |
| The Problem of Hunger in the US (3,S) | HSS/PSY130G | | |
| Applied General Nutrition (4;F,S) | NFS210 | | |
| Sustainable Ag & Food Cultures (3, S) | APG/GWS/SOC308 | | |

VI. SUPPORTING # (min 18) AND OTHER ELECTIVES Grade Cr.

| | | | | |
|-------------------------------|------------|--|--|---|
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| Planning for Academic Success | URI101 (1) | | | F |

* **Additional Concentration:** choose nutrition & health related courses from NFS, BIO, CMB;
 ** **Food & Society:** MAF100, APG/MAF413, APG203, APG/SOC329, APG/SOC415, EEC205, EEC310, EEC350, EEC355.
 *** **Sustainable Agriculture** AFS105G, AFS201, AFS202, AFS215, AVS101, AVS/PLS275, NRS212, PLS150, PLS255, PLS311, PLS324.
 **** **Options:** 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.

| | |
|------------------------------------|----------------------------------|
| 120 Course Credits Required | Course Credits Completed: |
| Advisor: _____ | Date: _____ |

B.S. Sustainable Agriculture & Food Systems - Nutrition & Food Option
Effective Fall 2018

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

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 Horticulure Plant Science

B.S. Sustainable Agriculture & Food Systems - Nutrition & Food Option - Effective Fall 2018

Freshman Year *Fall* Semester

| Course Code | Description | Cr | |
|------------------------------|---|--------------|--|
| URI 101 | Planning for Academic Success | 1 | |
| BIO 101,103 | Principles of Biology I | 4 | |
| MTH103, MTH 111 or MTH 131 | Applied Precalculus, Precalculus, or Applied Calculus | 3 | |
| EEC 105 | Introduction to Resource Economics | 3 | |
| AFS 105G, AVS 101, or PLS150 | *General Education | 3 | |
| | | 14-17 | |

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 | |
| COM/SUS 108G | Spaceship Earth (offered J-term) | 3 | |
| | *General Education | 3-4 | |
| | | 15-19 | |

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 | |
| | Nutrition & Food Concentration | 3-4 | |
| | Interdisciplinary Component | 3-4 | |
| | Supporting or Free Elective | 3-4 | |
| | Supporting or Free Elective | 3-4 | |
| | | 17-19 | |

Sophomore Year *Spring* Semester

| Course Code | Description | Cr | |
|-----------------|---|--------------|--|
| SOC/APG/GWS 308 | Sustainable Agriculture and Food Cultures | 3 | |
| | Nutrition & Food 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 | |
|-------------|--|--------------|--|
| | Nutrition & Food 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 | |
| | | 15-19 | |

Junior Year *Spring* Semester

| Course Code | Description | Cr | |
|--------------|---|--------------|--|
| | Nutrition & Food 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/NFS/SAF 404 | Food Systems, Sustainability and Health | 3 | |
| SAF 400G | Reimagining Food Syst through Agroecolo | 3-4 | |
| | Supporting/Free Elective/Special Projects or internship | 3-4 | |
| | Supporting or Free Elective | 3-4 | |
| | Nutrition & Food Concentration | 3 | |
| | | 15-19 | |

Senior Year *Spring* Semester

| Course Code | Description | Cr | |
|-------------|---|--------------|--|
| PLS 320 | Landscape Design | 4 | |
| | Nutrition & Food Concentration | 3-4 | |
| | Supporting/Free Elective/Special Projects or internship | 3-4 | |
| | Supporting or Free Elective | 3-4 | |
| | Supporting or Free Elective | 3-4 | |
| | | 16-19 | |

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