

2023-2024
Sustainable Agriculture and Food Systems
Track I: Agriculture and Ecology
Additional Preparatory Subject Matter Requirements

<u>Preparatory Subject Matter</u>	<u>Prerequisites</u>	<u>Quarter(s) Offered</u>	<u>Units</u>	<u>Completed</u>
<u>Biological Sciences</u>				
BIS 2C Biodiversity and the Tree of Life		I, II, III, IV	5	_____
BIS 2B Principles of Ecology and Evolution		I, II, III, V	5	_____
<u>Mathematics</u>				
MAT 16A Short Calculus		I, II, III, IV, V	3	_____
MAT 16B Short Calculus	MAT 16A	I, II, III, IV, V	3	_____
<u>Chemistry</u>				
CHE 2B General Chemistry	CHE 2A	II, III, V	5	_____
<u>Physics</u>				
PHY 1A Principles of Physics		I, II, IV	3	_____
<u>Statistics/Plant Sciences</u> (Choose one)				
STA 100 Applied Statistics for Biological Sciences	MAT 16B/17B	I, II, III, IV, V	4	_____
PLS 120 Applied Statistics in Agricultural Science		I	4	_____
<u>Animal Sciences</u> (Choose one)				
ANS 1 Domestic Animals and People		I	4	_____
ANS 2 Introductory Animal Science		I, III	4	_____
<u>Human Society</u> (choose one)				
POL 1 American National Government		I, II, III	4	_____
ANT 2 Cultural Anthropology		I, II, III, IV	4	_____
SOC 1 Introduction to Sociology		I, II, III, IV	5	_____
SOC 3 Social Problems		I, II, III, V	4	_____

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Sustainable Agriculture and Food Systems
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Depth Subject Matter Requirements

<u>Depth Subject Matter</u>		<u>Prerequisites</u>	<u>Quarter(s) Offered</u>	<u>Units</u>	<u>Completed</u>
<u>Agricultural and Resource Economics</u>					
<i>(choose one)</i>					
ARE 145	Farm and Rural Resource Appraisal		II	4	_____
ARE 147*	Resource and Environmental	ECN 1A	I	4	
ARE 120	Analysis of Agricultural Policy	ARE 100A	III	4	
ARE 112	Fundamentals of Organization	Upper-div	I,II,III,IV	4	
<u>Environmental Science and Policy</u> <i>(choose one)</i>					
ESP 161	Environmental Law	Upper-Div Standing; one course in ESM	III	4	
ESP 169	Water Policy and Politics	ECN 1A or POL 1	III	3	_____
HYD 150	Water Law		II	3	
<u>Soil Science</u>					
SSC 100	Principles of Soil Science	CHE 2A-B, PHY 1A-B, BIS 1A	I	5	_____
SSC 109	Sustainable Nutrient Management	SSC 100 rec	III	4	
<u>Select one from below</u>					
PLS 105	Concepts in Pest Management	CHE 008B	I	4	
PLS 111	Agronomic Crop Production		I, III	3	
PLS 112	Forage Crop Production	PLS 2 or BIS 2C	I	3	
PLS 113	Biological Application of Fruit Tree	PLS 2, BIS 1C, BIS 2B	II	2	_____
PLS 160*	Agroforestry; Global and Local	PLS 2	III	3	
PLS 174	Molecular & Cellular Aspects of Postharvest		I	3	
ENT 119**	Apiculture		III	3	
ENT 120*	Pollination Biology	PHY 007A and SSC 100 rec	III	3	
HYD 110	Irrigation Principles and Practices	CHE 2A, SSC 100 SSC 100 rec	III	3	_____
SSC 102	Soil Chemistry	BIS 2C rec	II	3	
SSC 111	Soil Microbiology		II	4	
SSC 112	Soil Ecology		I	3	
VEN 111	World of Viticulture	One BIS course, One CHE course	II	4	
ESM 120	Global Environmental Interactions				

*Offered odd years, **=offered even years, †=future availability unknown I=Fall Quarter, II=Winter Quarter, III=Spring Quarter, IV=Summer Session