

# ORGANIC AGRICULTURE, CERTIFICATE

## REQUIREMENTS

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Code	Title	Credits
Foundation		3-4
Core		6
Electives		6
<b>Total Credits</b>		<b>15-16</b>

- Minimum of 15 credits and successful completion of all course requirements
- A minimum cumulative GPA of 2.5 in certificate coursework is required
- Courses in which a student elects the pass/fail option will not count toward completion of requirements.

Code	Title	Credits
<b>Foundation</b>		
Complete one of the following courses:		
AGROECOL/ C&E SOC/ENTOM/ ENVIR ST 103	Agroecology: An Introduction to the Ecology of Food and Agriculture	3
C&E SOC/SOC 222	Food, Culture, and Society	3
PL PATH/ BOTANY 123	Plants, Parasites, and People	3
PLANTSCI 110	Introduction to Plant Science and Technology	4
<b>Core</b>		
Complete all of the following courses:		
PLANTSCI/A A E/ PL PATH 367	Introduction to Organic Agriculture: Production, Markets, and Policy	3
PLANTSCI 372	Seminar in Organic Agriculture	1
PL PATH 499	Independent Study in Organic Agriculture	2
<b>Electives</b>		
Complete 6 credits from the following list - courses can be chosen from any topic area:		
<i>Public Policy &amp; Administration</i>		
A A E/ENVIR ST 244	The Environment and the Global Economy	4
A A E 319	The International Agricultural Economy	3
FOOD SCI/ AN SCI 321	Food Laws and Regulations	1
PLANTSCI 360	Genetically Modified Crops: Science, Regulation & Controversy	2
LSC 251	Science, Media and Society	3
PUB AFFR 240	Evidence-Based Policy Making	3

PUB AFFR 380	Analytic Tools for Public Policy	3
<i>Business/Entrepreneurship</i>		
A A E 101	Introduction to Agricultural and Applied Economics	4
A A E 320	Agricultural Systems Management	3
A A E 323	Cooperatives and Alternative Forms of Enterprise Ownership	3
GEN BUS 310	Fundamentals of Accounting and Finance for Non-Business Majors	3
or GEN BUS 311	Fundamentals of Management and Marketing for Non-Business Majors	
OTM/ MARKETNG 421	Fundamentals of Supply Chain Management	3
ENVIR ST/A A E/ ECON 343	Environmental Economics	3-4
M H R 310	Challenges & Solutions in Business Sustainability	3
FOOD SCI 437	Food Service Operations	4
M H R 322	Introduction to Entrepreneurship	3
M H R 434	Venture Creation	3
<i>Organic Production &amp; Processing</i>		
AGROECOL 377	Global Food Production and Health	3
AN SCI 245	Animal Welfare	3
BOTANY/AMER IND/ ANTHRO 474	Ethnobotany	3-4
BSE 349	Quantitative Techniques for Biological Systems	3
DY SCI 471	Food Production Systems and Sustainability	3
DY SCI/AN SCI/ FOOD SCI/ SOIL SCI 472	Animal Agriculture and Global Sustainable Development	1
ENTOM 351	Principles of Economic Entomology	3
PL PATH 300	Introduction to Plant Pathology	4
PL PATH 315	Plant Microbiomes	4
PL PATH 517	Plant Disease Resistance	2-3
PLANTSCI 300	Cropping Systems	3
PLANTSCI 302	Forage Management and Utilization	3
PLANTSCI 333	Survey of Controlled Environment Food Production	2
PLANTSCI 334	Greenhouse Cultivation	2
PLANTSCI 335	Greenhouse Cultivation Lab	1
PLANTSCI 338	Plant Breeding and Biotechnology	3
PLANTSCI 376	Tropical Horticultural Systems	2
SOIL SCI 323	Soil Biology	3
SOIL SCI 326	Plant Nutrition Management	3
<i>Social Dimension</i>		
C&E SOC/A A E/ SOC 340	Issues in Food Systems	3-4
C&E SOC/SOC 341	Labor in Global Food Systems	3
ENVIR ST/ ENTOM 205	Our Planet, Our Health	3
ENVIR ST/ GEOG 339	Environmental Conservation	4

GEOG/ ENVIR ST 139	Global Environmental Issues	3
GEOG/ ENVIR ST 309	People, Land and Food: Comparative Study of Agriculture Systems	3
PL PATH 311	Global Food Security	3
PLANTSCI 380	Indigenous Foodways: Food and Seed Sovereignty	2

## **CERTIFICATE COMPLETION REQUIREMENT**

This undergraduate certificate must be completed concurrently with the student's undergraduate degree. Students cannot delay degree completion to complete the certificate.