

SUSTAINABLE AGRICULTURE, ASSOCIATE OF APPLIED SCIENCE

Curriculum Code #7200

Effective May 2023

Division of Science and Mathematics (<http://catalog.lorainccc.edu/academic-programs/science-mathematics/>)

The associate of applied science in sustainable agriculture allows LCCC students to explore careers in agriculture and food systems. Students learn key sustainability and land stewardship skills as they study the interactions between food, human health and ecosystem services. Students contribute to the production, distribution and marketing of locally grown produce through hands-on experiences with local farmers and growers. Students completing this program acquire the fundamental skills to start their own agricultural enterprise or transfer into a four-year sustainability-related program. Some courses require travel to off-campus sites. Lorain County Community College has articulation agreements with colleges and universities including programs offered by LCCC's University Partnership.

First Year

Fall Semester		Hours
SDEV 101	INTRODUCTION TO THE LCCC COMMUNITY ²	1
ENGL 161	COLLEGE COMPOSITION I	3
MTHM 168	STATISTICS ³	3
SAGR 114	INTRODUCTION TO SUSTAINABLE AGRICULTURE ¹	3
SAGR 105	INTRODUCTION TO LIVING LANDSCAPES ¹	3
Hours		13
Spring Semester		
BIOG 165	INTRODUCTION TO ECOLOGY ¹	3
SAGR 102	SPRING CROP PRODUCTION ¹	3
SAGR 106	SOIL MANAGEMENT AND CONSERVATION ¹	3
SAGR 109	WILD EDIBLES	1
SAGR 113	PLANT PROPAGATION ¹	2
Hours		12
Summer Semester		
SAGR 103	SUMMER CROP PRODUCTION ¹	3
SAGR 117	PERMACULTURE DESIGN: PRINCIPLES AND APPLICATIONS ¹	5
Hours		8

Second Year

Fall Semester		
BIOG 164	EXPLORATIONS IN FIELD SCIENCE ¹	3
ENTR 200	ENTREPRENEURSHIP	3
SAGR 101	FALL CROP PRODUCTION ¹	3
SAGR 107G	WORLDVIEWS TO SUPPORT SUSTAINABLE AGRICULTURE	1

SAGR 112	BUSINESS PRINCIPLES OF SUSTAINABLE AGRICULTURE ¹	3
Hours		13
Spring Semester		
BIOG 151	GENERAL BIOLOGY ⁴	4
SOCY 151G	INTRODUCTION TO SOCIOLOGY	3
CHMY 155G	CHEMISTRY AND SOCIETY ⁵	3
SAGR 115G	FOOD SYSTEMS, SOCIETY AND GLOBAL HEALTH ¹	3
SAGR 116	BASF CERTIFICATION PREPARATION COURSE	2
Hours		15
Total Hours		61

1

This course offers an opportunity for experiential learning.

2

A student must register for the orientation course when enrolling for more than six credit hours per semester or any course that would result in an accumulation of 13 more credit hours.

3

Students transferring to Central State or OSU for a Bachelor's in Sustainable Agriculture should take MTHM 171 and MTHM 174 or MTHM 176.

4

Students transferring to Central State or OSU for a Bachelor's in Sustainable Agriculture should take BIOG 161.

5

Students transferring to Central State or OSU for a Bachelor's in Sustainable Agriculture should take CHMY 171.

Code	Title	Hours
NON-REQUIRED ELECTIVE FOR STUDENTS INTERESTED IN LIVESTOCK		

SAGR 108	INTRODUCTION TO SUSTAINABLE ANIMAL FARMING ¹	4
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Students interested in livestock may be interested in SAGR 108 Introduction to Sustainable Animal Farming. This non-required elective is offered on an as needed basis.

Program Contact(s):

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For information about admissions, enrollment, transfer, graduation and other general questions, please contact your advising team (<https://www.lorainccc.edu/admissions-and-enrollment/advising-and-counseling/>).

More program information can be found on our website.
(<https://www.lorainccc.edu/sciences/sustainable-agriculture/associate-of-science-in-sustainable-agriculture/>)

1. Demonstrate knowledge of techniques, tools and technical skills, needed in farm production and farm management, including those needed to qualify for applicable industry credentials.
2. Apply systems thinking to the study of interactions between food, land, human health, and ecosystem services.
3. Recognize the global diversity of cultural connections between food systems, agricultural practices, and efforts to improve human health, society, and the environment.
4. Work productively and collaboratively in an agricultural environment, as an individual, a member of a problem-solving team, and a social network builder within the farming community.
5. Communicate effectively with co-workers, customers and others in a way that demonstrates a high standard of professional ethics, attitudes, and values.
6. Contribute to the production, distribution and marketing of locally grown produce.
7. Apply entrepreneurial knowledge and skills to develop agricultural enterprises and market new products and services within the local food economy.