

BASF PLANT SCIENCE CERTIFICATION, ONE-YEAR TECHNICAL CERTIFICATE

Curriculum Code #7196

Effective May 2026

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

The Badische Anilin und Soda Fabrik (BASF) Plant Science Certification verifies individuals have acquired the knowledge and skills necessary to excel in a variety of plant, natural and environmental science related fields. The certification assesses industry-valued and industry-recognized standards produced by BASF, an internationally known brand recognized for providing solutions to reflect the specific needs of farmers' fields, crops and soil for more than 15 years. The certification validates individuals are prepared to play a vital role in ensuring agricultural productivity. Additionally, the certification allows employers to identify and connect with more skilled candidates, filling gaps in the labor market and jump-starting individuals' careers. Lorain County Community College has articulation agreements with colleges and universities including programs offered by LCCC's University Partnership.

First Year

Fall Semester		Hours
BIOG 165	INTRODUCTION TO ECOLOGY ²	3
ENGL 161	COLLEGE COMPOSITION I	3
SAGR 101	FALL CROP PRODUCTION ²	3
SAGR 105	INTRODUCTION TO LIVING LANDSCAPES ²	3
SAGR 114	INTRODUCTION TO SUSTAINABLE AGRICULTURE ²	3
SDEV 101	INTRODUCTION TO THE LCCC COMMUNITY ¹	1
Hours		16

Spring Semester

BIOG 151	GENERAL BIOLOGY	4
SAGR 102	SPRING CROP PRODUCTION ²	3
SAGR 106	SOIL MANAGEMENT AND CONSERVATION ²	3
SAGR 113	PLANT PROPAGATION ²	2
SAGR 116	BASF CERTIFICATION PREPARATION COURSE	2
Hours		14
Total Hours		30

¹ 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 12 or more credit hours.

² This courses offers an opportunity for experiential learning.

³ Students can substitute SAGR 170, SAGR 287, SAGR 288, SAGR 289, and SAGR 299 for any SAGR course of equal credit-hour value.

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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/>)

Credit for Prior Learning (PLA) options may be available for your program. For more information, please visit our website: www.lorainccc.edu/PLA (<http://www.lorainccc.edu/PLA>)

Program Learning Outcomes

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. 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.
3. Contribute to the production, distribution and marketing of locally grown produce.
4. Apply systems thinking to the study of interactions between food, land, human health, and ecosystem services.

Program Contact(s):