

Sustainable Horticulture (SH & AGRC)

Sustainable Horticulture (SH)

In the Sustainable Horticulture program students learn sustainable landscape techniques and technologies including design, implementation, and management of green roofs and green walls; stormwater management best practices; sustainable choices in plant materials; and use of alternative energy systems in landscapes.

Students complete foundation courses in landscape horticulture and environmental science, and then take additional technical courses in sustainable horticulture.

Core business courses prepare students for leadership roles in local businesses and municipalities, while cooperative education employment experiences allow students to further develop their knowledge in positions with companies utilizing sustainable horticulture.

The Sustainable Horticulture program is accredited by the National Association of Landscape Professionals (NALP).

Sustainable Agriculture Management Certificate (AGRC)

The Sustainable Agriculture Management Certificate program leads to career opportunities in specialty crop growing operations, farmers' markets, and other urban agriculture initiatives.

The program is designed for completion in one year (three semesters) as a full-time student. Students are involved in continuous hands-on learning at a local farm throughout the program.

Coursework includes soil and plant science, detailed production of specialty crops, and an introduction to raising small animals, along with the financial, marketing, and management skills needed to successfully run an agriculture business.

For more information, please contact the Business Technologies Division at (513) 569-1620.

To apply for this program at Cincinnati State, visit our Admissions Page (<http://www.cincinnati-state.edu/academics/admission>)

Sustainable Horticulture (SH)

Semester 1		Lec	Lab	Credits
ENG 101	English Composition 1 (G)	3	0	3
LH 140	Landscape Operations (T)	2	3	3
LH 105	Horticulture Occupations (B)	1	1	1
LH 120	Soil Science and Plant Nutrition (T)	2	2	3
LH 130	Woody Plant Materials (B)	1	5	3

FYE 1XX		1	0	1
First Year Experience Elective (B)				
XXX XXX				3
Environmental Science Elective (B)				
Semester 2				
BUS 190	Professional Practices (B)	1	0	1
LH 110	Horticulture Science (G)	2	3	3
LH 151	Landscape Design 1 (T)	2	3	3
LH 155	Computer-Aided Landscape Design (T)	2	3	3
ENG 1XX		3	0	3
English Composition Elective (G)				
MAT 1XX		3	0	3
Mathematics Elective (G)				
Semester 3				
LH 165	Landscape Construction (T)	2	3	3
LH 135	Herbaceous Plant Materials (T)	2	3	3
LH X9X		1	40	2
Cooperative Education Elective 1: Landscape Horticulture (T)				
Semester 4				
ACC 101	Financial Accounting (B)	2	2	3
LAW 101	Business Law (B)	3	0	3
LH 230	Landscape Solutions to Stormwater Management (T)	2	3	3
LH 245	Plants for Sustainable Landscapes (T)	2	3	3
Semester 5				
LH 240	Landscape Management (T)	2	3	3
LH 290	Sustainable Landscape Design Capstone (T)	2	3	3
XXX XXX		3	0	3
Arts/ Humanities Elective or Social/ Behavioral Science Elective (G)				
XXX XXX		3	0	3
Management/ Marketing Elective (B)				
Semester 6				

LH X9X Cooperative Education Elective 2: Landscape Horticulture (T)	1	40	2
Total Credits:	48	120	67

Electives

First Year Experience Elective

FYE 100	College Survival Skills	1
FYE 105	College Success Strategies	2
FYE 110	Community College Experience	3

Environmental Science Elective

EVS 110	Environmental Science: Conservation and Cleanup	4
EVS 120	Environmental Geology	4
EVS 130	Environmental Science: Ecology and Ecosystems	4
EVT 175	Watershed Management	3
BIO 270	Ecology	5

English Composition Elective

ENG 102	English Composition 2: Contemporary Issues	3
ENG 103	English Composition 2: Writing about Literature	3
ENG 104	English Composition 2: Technical Communication	3
ENG 105	English Composition 2: Business Communication	3

Management/Marketing Elective

MGT 101	Principles of Management	3
MGT 105	Human Resource Management	3
MGT 120	Entrepreneurship	3
MGT 130	Project Management	3
MKT 101	Principles of Marketing	3
MKT 105	Marketing and Customer Relations	3
MKT 130	Professional Selling	3

Mathematics Elective

MAT 105	Quantitative Reasoning	3
MAT 111	Business Mathematics	3
MAT 115	Pre-Statistics	3
MAT 120	Technical Mathematics	3
MAT 125	Algebra and Trigonometry	4

Arts/Humanities Elective or Social/Behavioral Science Elective (select one course)

Any Transfer Module course from ART, LIT, MUS, PHI, REL, THE, or COMM 130

or, any Transfer Module course from ECO, GEO, HST, LBR, POL, PSY, SOC, or SPN 101

Cooperative Education Electives (4 credit hours required)

LH 191	Part-Time Cooperative Education 1: Landscape Horticulture	1
LH 192	Part-Time Cooperative Education 2: Landscape Horticulture	1

LH 193	Part-Time Cooperative Education 3: Landscape Horticulture	1
LH 194	Part-Time Cooperative Education 4: Landscape Horticulture	1
LH 291	Full-Time Cooperative Education 1: Landscape Horticulture	2
LH 292	Full-Time Cooperative Education 2: Landscape Horticulture	2

The letters G, B, and T (displayed after course titles or elective descriptions) identify types of courses required by the Ohio Department of Higher Education as part of an associate's degree curriculum.

G = General Education course in this curriculum

B = Basic Skills course in this curriculum

T = Technical course in this curriculum

Sustainable Agriculture Management Certificate (AGRC)

Semester 1		Lec	Lab	Credits
AGR 100	Introduction to Urban Agriculture	2	3	3
LH 120	Soil Science and Plant Nutrition	2	2	3
AGR 150	Fall Production	0	6	3
ACC 101	Financial Accounting	2	2	3
Semester 2				
AGR 105	Vegetable Crop Production	2	3	3
LH 110	Horticulture Science	2	3	3
AGR 135	Fruit and Nut Production	2	3	3
AGR 155	Spring Production	0	6	3
Semester 3				
MGT 120	Entrepreneurship	3	0	3
AGR 140	Pest and Policy Management for Specialty Crops	2	3	3
AGR 160	Summer Production	0	6	3
MKT 1XX	Marketing Elective	3	0	3
Total Credits:		20	37	36

Electives

Marketing Elective

MKT 105	Marketing and Customer Relations	3
MKT 130	Professional Selling	3

Faculty

Program Chair

Professor Samuel (Mark) Deacon, MS
mark.deacon@cincinnatiastate.edu

Advisor

Professor Heather Augustine, MS, LEED Green Associate
heather.augustine@cincinnatiastate.edu

Co-op Coordinator

Brian Hooten, MAOL
brian.hooten@cincinnatiastate.edu