

MAKE YOUR PASSION YOUR CAREER



BACCALAUREATE DEGREE

Accredited | 100% Online | 8 Start Dates a Year

SUSTAINABLE HORTICULTURE



DISTANCE EDUCATION

Do you want to learn how to make the planet more sustainable through the propagation of plants and sustainable food systems? The Sustainable Horticulture degree will help you better understand how to incorporate sustainable practices into landscaping, gardening, food production or any horticulture related business.

PROGRAM FEATURES

- + Transfer friendly! We will accept up to 90 credits.
- + Experiential Online. Experiential programs are delivered 100% online with field work designed with the working professional in mind.
- + Study when and where you want and finish your degree while still working full-time.
- + One-on-one academic advising as our trained staff strive to make your professional and academic goals a reality.
- + Unity Environmental University is an accredited institution by New England Commission of Higher Education (NECHE).
- + Make professional connections with leaders in your field.
- + Get job placement assistance through our career services department.

COSTS

- + \$470 per credit | Military Rate: \$423
- + Full time financial aid is available to students taking as few as 3 credits/term.
- + No textbooks to purchase in over half of our courses!

CAREER OUTCOMES, GROWTH*, & SALARY**

Soil & Plant Scientist

\$ \$67k 📈 +10

Landscape Supervisors

\$ \$49k 📈 +3

Grounds Maintenance Workers

\$ \$35k 📈 +5

Agricultural Technicians

\$ \$41k 📈 +10

*Projected 10-year growth

**National median salary

Source: O*Net



SUSTAINABLE HORTICULTURE



JOB OUTCOMES, GROWTH*, & SALARY**

At Unity Environmental University, we understand the importance of aligning education with your passions and career goals. That's why our courses are thoughtfully designed to equip you with the knowledge and skills necessary to pursue a rewarding career with gainful employment in your chosen field. Additionally, our faculty consists of experienced professionals who bring real-world insights, providing you with valuable mentorship and guidance. At Unity, you will find exceptional career development resources and experiential opportunities to further enhance your employability and help you achieve your professional aspirations.



Soil & Plant Scientist

Median Salary: \$67k
Growth: +10

Soil & Plant Scientists conduct research in breeding, physiology, production, yield, and management of crops and agricultural plants or trees, shrubs, and nursery stock, their growth in soils, and control of pests; or study the composition of soils as they relate to plant or crop growth. They may classify and map soils and investigate effects of alternative practices on soil and crop productivity.



Landscape Supervisors

Median Salary: \$49k
Growth: +3

Landscape Supervisors directly supervise and coordinate activities of workers engaged in landscaping or groundskeeping activities. Work may involve reviewing contracts to ascertain service, machine, and workforce requirements; answering inquiries from potential customers regarding methods, material, and price ranges; and preparing estimates of costs.



Grounds Maintenance Workers

Median Salary: \$35k
Growth: +5

Grounds Maintenance Workers install and maintain landscapes, prune trees or shrubs, and do other tasks to ensure that vegetation is attractive, orderly, and safe.

*Projected 10-year growth

**National median salary

Source: O*Net/BLS.gov



DISTANCE EDUCATION

UNOFFICIAL BACCALAUREATE CHECKSHEET SUSTAINABLE HORTICULTURE

Student Name

Total Transfer Credits Checksheet Date

SUSTAINABLE HORTICULTURE PROGRAM

Horticulturalists select, manage, and improve plants and plant products cultivated in a variety of settings, from fields to greenhouses to vertical hydroponic systems. In the Sustainable Horticulture program, learners will develop skills in integrated pest management, seed storage, disease management, safe use of fertilizers, herbicides and pesticides, and the design of plant growing systems. They will also have an opportunity to develop small business skills including financial planning and management and product marketing and apply them to the development of a business plan for a horticulture product or service. Program graduates will be prepared to apply their knowledge of climate-smart agricultural practices in a variety of careers including agronomy, farming, greenhouse management, hydroponics, and seed production.

GRADUATES WILL BE ABLE TO:

- + Apply concepts of horticulture science to select, manage, and improve plants and their products.
- + Describe the social, spiritual, economic, and cultural importance of plants to historical and contemporary communities of people.
- + Select and apply methods for identifying, monitoring, and responding to horticultural problems.
- + Explain how global issues, including climate change, energy use, water availability, and/or food safety impact sustainability of horticultural systems.
- + Apply principles of accounting, business law, labor, marketing, and personnel management to a horticultural business.

General Education Core

- BIOL 103** Biology: Foundations of Life
- BIOL 104** Biology: Foundations of Life Laboratory (1cr)
- BIOL 105** Biological Diversity, Ecology, and Evolution
- BIOL 106** Biological Diversity, Ecology, and Evolution Laboratory (1cr)
- CHEM 101** Chemistry I
- CHEM 102** Chemistry I Laboratory (1cr)
- CHEM 103** Chemistry II
- CHEM 104** Chemistry II Laboratory (1cr)
- COMM 100** Communication Skills for Online Learners (2cr)
- COMM 102** Strategic Writing for Environmental Professionals (2cr)
- COMM 301** Communicating for Impact (2cr)
- ECON 303** Macroeconomics for a Sustainable Planet
- ENVS 201** The Warming Planet: Understanding Climate Change
- MATH 101** College Algebra for Environmental Professionals OR **MATH 105** Precalculus
- SUST 301** Sustainable Horticultural Practices in Indigenous Communities
- A Arts course
- A Language course



DISTANCE EDUCATION

UNOFFICIAL BACCALAUREATE CHECKSHEET SUSTAINABLE HORTICULTURE

Environmental Professional Core

EVPC 100 Ecoliteracy (1cr)

3 CREDITS OF ENVIRONMENTAL ISSUES (FROM THE LIST BELOW):

- EVPC 201** Environmental Issues: Deforestation, Biodiversity Loss, and Overpopulation
- EVPC 202** Environmental Issues: Energy, Water Scarcity, and Waste
- EVPC 210** Environmental Issues: Ocean Acidification (1cr)
- EVPC 211** Environmental Issues: Forever Chemicals (1cr)
- EVPC 212** Environmental Issues: Light and Noise Pollution (1cr)
- EVPC 213** Environmental Issues: Climate Refugee Crisis (1cr)

- EVPC 301** Environmental Justice OR
EVPC 305 Building a Better World: Ethical Decision-Making
- EVPC 401** Transformational Leadership
- EVPC 490** Transdisciplinary Capstone

* All courses are 3 credits unless otherwise noted.

Program Core

- BIOL 201** Organisms that Sustain the Earth: Understanding Plants
- BIOL 315** Cell Biology
- BIOL 320** Plant Breeding
- BIOL 325** Plant Pathology
- BIOL 330** Integrated Pest Management
- CHEM 205** Applications of Chemistry for Horticulture
- ENVJ 307** Food Systems and Social Justice
- ESCI 301** Soil Analysis
- HORT 301** Growing Hydroponic and Aquaponic Crops
- HORT 401** Climate-Smart Agriculture
- MGMT 301** Starting Your Small Non-Profit
- SUFA 201** Sustainable Farm Management
- SUFA 301** Sustainable Agriculture for Small Farms

General Electives

28 credits of general elective

University Wide Requirements

A minimum of 120 earned credit hours, 30 credits at the 300 level or above, a minimum of 30 credits earned at Unity, and an overall cumulative GPA of 2.0 or above.



DISTANCE EDUCATION

SECOND DEGREE

UNOFFICIAL BACCALAUREATE CHECKSHEET SUSTAINABLE HORTICULTURE

Student Name

Total Transfer Credits Checksheet Date

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- BIOL 106** Biological Diversity, Ecology, and Evolution Laboratory (1cr)
- CHEM 101** Chemistry I
- CHEM 102** Chemistry I Laboratory (1cr)
- CHEM 103** Chemistry II
- CHEM 104** Chemistry II Laboratory (1cr)
- MATH 101** College Algebra for Environmental Professionals OR
MATH 105 Precalculus
- SUST 301** Sustainable Horticulture Practices in Indigenous Communities

Environmental Professional Core

- EVPC 100** Ecoliteracy (1cr)

3 CREDITS OF ENVIRONMENTAL ISSUES (FROM THE LIST BELOW):

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- EVPC 211** Environmental Issues: Forever Chemicals (1cr)
- EVPC 212** Environmental Issues: Light and Noise Pollution (1cr)
- EVPC 213** Environmental Issues: Climate Refugee Crisis (1cr)
- EVPC 301** Environmental Justice OR
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DISTANCE EDUCATION

SECOND DEGREE

UNOFFICIAL BACCALAUREATE CHECKSHEET **SUSTAINABLE HORTICULTURE**

Program Core

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Understanding Plants
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- BIOL 325** Plant Pathology
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Aquaponic Crops
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- MGMT 301** Starting Your Small Non-Profit
- SUFA 201** Sustainable Farm Management
- SUFA 301** Sustainable Agriculture for Small Farms

46 credits will be completed by a Second Degree
Transfer Block.

University Wide Requirements

A minimum of 120 earned credit hours, 30 credits at the 300 level or above, a minimum of 30 credits earned at Unity, and an overall cumulative GPA of 2.0 or above.