

HORTICULTURE, A.A.S.

The Horticulture program meets the needs of students entering the horticulture industry as well as those presently employed who wish to continue their professional growth. Besides providing horticultural knowledge and skills, the program emphasizes the business and management proficiency necessary to compete successfully in the horticulture industry.

For more information about Horticulture, please visit the program of study page (<http://www.cod.edu/horticulture/>).

Degree Requirements

Field of Study Code: HORT.AAS

Code	Title	Credits
Program Requirements		
HORT 1100	Introduction to Horticulture	3
HORT 1101	Soils and Fertilizers	3
HORT 1110	Applied Plant Taxonomy	3
HORT 1130	Horticulture Business	3
	or BUSIN 1100 Introduction to Business	
HORT 2221	Plant Propagation	3
HORT 2863	Internship (Career & Technical Ed)	3
Select one of the following:		4-5
BIOLO 1110	Environmental Biology	
BIOLO 1151	Principles of Biological Science	
CHEMI 1211	Survey of General Chemistry	
MATH 1104	Mathematics for Horticulture	3
Program Electives (p. 1)		
Select a minimum of 27 credits hours ¹		27
General Education		
Select 12 credits ²		12
Total Credits		64-65

¹ When selecting program electives, students may include up to eight credits in any combination from the additional courses listed below. No more than three credits of co-op can be applied as program elective credit toward this degree.

- ARCH 1211 Basic Computer-Aided Drafting-AutoCAD
- HORT 1800 Special Project
- HORT 2860 Internship (Career & Technical Ed)
- HORT 2865 Internship Advanced (Career & Tech Ed)

² In addition to the courses listed under program requirements.

Program Electives

Code	Title	Credits
HORT 1105	Floral Design I	3
HORT 1109	OSHA 10-Hour Landscape Safety	1
HORT 1111	Landscape Design I	3
HORT 1112	Landscape Maintenance	3
HORT 1113	Landscape Construction	3
HORT 1114	Irrigation & Water Management	3
HORT 1115	Floral Design II	3
HORT 1116	Spanish for Horticulture	3

HORT 1120	Landscape Lighting	2
HORT 1125	Water Use/Conservation in the Landscape	1
HORT 1131	Landscaping for Wildlife	1
HORT 1135	Introduction to Green Roofs	1
HORT 1140	Landscape Graphics	2
HORT 1141	Sustainable Landscape Design	1
HORT 1142	Landscaping for Pollinators	1
HORT 1145	Perennial Plant Communities I	2
HORT 1151	2-Cycle Small Engine Repair/Maintenance	2
HORT 1152	4-Cycle Small Engine Repair/Maintenance	3
HORT 1185	Arboriculture	3
HORT 1820	Selected Topics	3
HORT 1821	Selected Topics	3
HORT 1824	Selected Topics	2
HORT 1826	Selected Topics	1
HORT 1827	Selected Topics	1
HORT 2211	Computer-Aided Drafting for Landscape	3
HORT 2212	Adv. Computer-Aided Draft for Landscape	3
HORT 2213	3D Landscape Design	3
HORT 2214	Advanced 3D Landscape Design	2
HORT 2225	Specialty Floral Design	3
HORT 2226	Specialty Floral Design	1
HORT 2231	Turf Science and Management	3
HORT 2241	Landscape Plants I	3
HORT 2242	Landscape Plants II	3
HORT 2243	Ornamental Grasses	2
HORT 2244	Herbaceous Perennials	3
HORT 2245	Perennial Plant Communities II	1
HORT 2246	Perennial Plant Communities Stewardship	1
HORT 2251	Diseases of Ornamental Plants	3
HORT 2253	Greenhouse Operations and Procedures	3
HORT 2255	Greenhouse Crop Production	3
HORT 2256	Interior Plant Identification & Design	2
HORT 2257	Bedding Plant Production	3
HORT 2261	Insects of Ornamental Plants	3
HORT 2271	Landscape Design II	3
HORT 2302	Sust Urban Vegetable & Herb Production	3
HORT 2304	Hydroponic/Aquaponic Production Systems	3
HORT 2306	Introduction to Beekeeping	2
HORT 2308	Introduction to Composting	1

General Education Requirements

For general education requirements for the AAS degree, please visit the AAS degree catalog page (<https://catalog.cod.edu/associate-degree-programs/associate-applied-science-degree/>).

Suggested Semester Sequence

Course	Title	Credits
First Semester		
ENGLI 1101	English Composition I	3
or ENGLI 1105	or Workplace Writing	
HORT 1100	Introduction to Horticulture	3
HORT 1110	Applied Plant Taxonomy	3

HORT 1101	Soils and Fertilizers	3
BUSIN 1100 or HORT 1130	Introduction to Business or Horticulture Business	3
Credits		15

Second Semester

Select one of the following: 3

SPEEC 1100	Fundamentals of Speech Communication	
SPEEC 1120	Small-Group Communication	
SPEEC 1150	Introduction to Business Communication	

MATH 1104 Mathematics for Horticulture 3

ELECTIVE Program Elective 1-6

Select one of the following: 4-5

BIOLO 1110	Environmental Biology	
BIOLO 1151	Principles of Biological Science	
CHEMI 1211	Survey of General Chemistry	

Credits 11-17

Summer Semester

ELECTIVE Program Elective 1-6

Credits 1-6

Third Semester

GEN ED Social and Behavioral Science 3

ELECTIVE Program Elective 3-9

Credits 6-12

Fourth Semester

GEN ED Humanities and Fine Arts 3

ELECTIVE Program Elective 3-6

HORT 2221 Plant Propagation 3

HORT 2863 Internship (Career & Technical Ed) 3

Credits 12-15

Total Credits 45-65

Program Milestones

First Semester

- Consider joining or visiting with a professional, cultural or interest-based Student Club (http://cod.edu/student_life/clubs_org/).
- Meet with horticulture program advisor
- Join horticulture club
- Participate in industry and community events
- Begin Horticulture Portfolio

Second Semester

- If you have not done so yet this semester, it is important to make an appointment with a Faculty or Program Advisor (<https://www.cod.edu/academics/programs/horticulture/faculty.aspx>) to discuss your future academic progress.

Third Semester

- Start researching internship opportunities
- Participate in department community service and industry events
- Degree audit with program chair
- Meet with program advisor for support
- Develop/maintain portfolio

Fourth Semester

- Apply for graduation
- Participate in department community service and industry events
- Degree audit with advisor

This page lists programs related to one another.

- Floral Shop Management, Certificate (<https://catalog.cod.edu/programs-study/horticulture/floral-shop-management-certificate/>)
- Greenhouse Management, Certificate (<https://catalog.cod.edu/programs-study/horticulture/greenhouse-management-certificate/>)
- Horticulture, Certificate (<https://catalog.cod.edu/programs-study/horticulture/horticulture-certificate/>)
- Landscape and Turf Maintenance, Certificate (<https://catalog.cod.edu/programs-study/horticulture/landscape-turf-maintenance-certificate/>)
- Landscape Contracting and Management, A.A.S. (<https://catalog.cod.edu/programs-study/horticulture/landscape-contracting-management-aas/>)
- Landscape Design and Construction, Certificate (<https://catalog.cod.edu/programs-study/horticulture/landscape-design-construction-certificate/>)
- Nursery and Garden Center Management, Certificate (<https://catalog.cod.edu/programs-study/horticulture/nursery-garden-center-management-certificate/>)
- Power Equipment and Technology, Certificate (<https://catalog.cod.edu/programs-study/horticulture/power-equipment-technology-certificate/>)
- Sustainable Landscapes, Certificate (<https://catalog.cod.edu/programs-study/horticulture/sustainable-landscape-certificate/>)
- Sustainable Urban Agriculture, A.A.S. (<https://catalog.cod.edu/programs-study/horticulture/sustainable-urban-agriculture-aas/>)
- Sustainable Urban Agriculture, Certificate (<https://catalog.cod.edu/programs-study/horticulture/sustainable-urban-agriculture-certificate/>)