

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 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 1121	National Collegiate Landscape Competitions	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 1420	Cannabis and Industrial Hemp Production	4
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	Advanced Computer-Aided Drafting For Landscape	2
HORT 2213	3D Landscape Design	3
HORT 2214	Advanced 3D Landscape Design	2
HORT 2222	Introduction to Plant Breeding	3
HORT 2225	Specialty Floral Design	3
HORT 2226	Advanced 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	Plant Pathology	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	Entomology for Horticulture	3
HORT 2271	Landscape Design II	3
HORT 2301	Principles of Agroecology	3
HORT 2304	Hydroponic and Aquaponic Production Systems	3
HORT 2306	Introduction to Beekeeping	2
HORT 2308	Introduction to Composting	1
HORT 2311	Cool Season Vegetable and Herb Production	2
HORT 2312	Warm Season Vegetable and Herb Production	2

General Education Requirements

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

Suggested Semester Sequence

Course	Title	Credits
First Semester		
ENGLI 1101 or ENGLI 1105	English Composition I or Workplace Writing	3
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
Electives	Program Electives (choose courses to total 6 hours)	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		16-17
Summer Semester		
Electives	Program Electives (choose courses to total 6 hours)	6
Credits		6
Third Semester		
Gen Ed	Social and Behavioral Sciences (https://catalog.cod.edu/educational-opportunities/#social-behavioral)	3
Electives	Program Electives (choose courses to total 9 hours)	9
Credits		12
Fourth Semester		
Gen Ed	Humanities and Fine Arts (Recommend HORT/SPANI 1116) (https://catalog.cod.edu/educational-opportunities/#humanities-fa)	3
Electives	Program Electives (choose courses to total 6 hours)	6
HORT 2221	Plant Propagation	3
HORT 2863	Internship (Career & Technical Ed)	3
Credits		15
Total Credits		64-65

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