

# Environmental, Agricultural & Natural Resources Cluster



## Horticulture Program

### PROGRAM OF STUDY OVERVIEW:

The Horticultural Program is based on requirements for the Certified Professional Horticulturist (CPH) certification used by the Maryland 'Green Industry. The four program courses have been identified and developed with industry, postsecondary and secondary partners. Students will have the opportunity to earn the CPH industry certification, and/or college credit through articulation agreements with local colleges.



Entrance Grades	Foundations of Horticulture 1 Credit	Plant Production 1 Credit	Landscape Design and Management 1 Credit	Capstone Experience 1 Credit <b>COMPLETER</b>	Work Study (optional)
<b>9<sup>th</sup> Grade Entrance</b> (By 8th Grade Application)	Fall Freshman	Spring Freshman	Fall Sophomore	Spring Sophomore	Junior Senior
<b>10<sup>th</sup> Grade Entrance</b>	Fall Sophomore	Spring Sophomore	Fall Junior	Spring Junior	Senior
<b>11<sup>th</sup> Grade Entrance</b>	Fall Junior	Spring Junior	Fall Senior	Spring Senior	

### IN THIS PROGRAM

Students will:

- Apply knowledge, concepts, theories, principles, and laws to the science of the horticulture industry;
- Propagate, produce, market, and sell horticultural crops in a variety of structures and conditions;
- Plan, design, install and maintain landscapes and establish turf; and
- Safely control plant pests and manage resources (soil, water, nutrients) in production and in the landscape.

### COURSE SEQUENCE

- Foundations of Horticulture
- Plant Production
- Landscape Design and Management
- Capstone Experience (DE)

(DE) dual college credit

For course descriptions, please see the WCPS Course Catalog @ <https://www.worcesterk12.com/>

### STUDENT ORGANIZATIONS



### CERTIFICATION

Certified Professional Horticulturist Pesticide Applicator  
Certified Professional Horticulturist (CPH)

### EARLY COLLEGE PROGRAM PARTNERS



University of Maryland Eastern Shore (Pending)