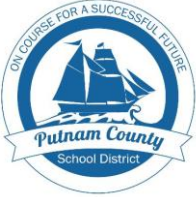


<b>Career Cluster: Agriculture, Food &amp; Natural Resources</b>					<b>CTE Program: Horticulture Science and Services</b>			
<b>Career Cluster Pathway: Environmental Horticulture Science &amp; Services</b>					<b>Industry Certification: Certified Horticulture Professional FNGLA001</b>			
	<b>16 CORE CURRICULUM CREDITS</b>					<b>8 ADDITIONAL CREDITS</b>		
	<b>ENGLISH</b> 4 credits	<b>MATH</b> 4 credits	<b>SCIENCE</b> 3 credits, 2 with lab	<b>SOCIAL STUDIES</b> 3 credits	<b>OTHER REQUIRED COURSES</b> FINE ARTS (1 credit) PHYSICAL EDUCATION (1 credit)	<b>CAREER AND TECHNICAL EDUCATION COURSES</b>	<b>RECOMMENDED ELECTIVES</b> (ALIGNED WITH COMMUNITY COLLEGE & STATE UNIVERSITY SYSTEM PROGRAMS)	
<b>HIGH SCHOOL</b>	<ul style="list-style-type: none"> <li>Students are encouraged to use <a href="http://flchoices.org">flchoices.org</a> to explore careers and postsecondary options.</li> <li>Students are also encouraged to participate in dual enrollment courses which may be used to satisfy high school graduation or Bright Futures Gold Seal Vocational Scholars course requirements.</li> <li>One course within the 24 credit program must be an online course. Cumulative GPA of 2.0 on a 4.0 scale for 24 credit program</li> </ul>							
	<b>9<sup>th</sup></b>	English I or English I Honors	Algebra I	Agriscience Foundations I	Elective	Physical Education (1credit) (Not required for ACCEL Program)	Elective/ Ag Foundations I Intro to Hort 2 (if student has Ag Foundations)	Foreign Language I
	<b>10<sup>th</sup></b>	English II or English II Honors	Geometry	Biology I Honors	World History Honors	Dual Enrollment/ Practical Arts or Fine Arts course (1 credit) Hort 2/3	Introductory Hort 2/ Hort Science 3	Foreign Language II
	<b>11<sup>th</sup></b>	English III or English III Honors	Algebra II	Anat. Phy/ Chem I	American History Honors	Elective/ Dual Enrollment	Horticulture Science 3/ 4	Elective/ Dual Enrollment
	<b>12<sup>th</sup></b>	English IV or English IV Honors	Pre-Calculus or Dual Enrollment Math	Additional Science/ Dual Enrollment	Am. Gov Honors/ Economics Honors	Elective/ Dual Enrollment	Horticulture Science and Services 4/ Ag Coop	Elective/ Dual Enrollment
<b>POSTSECONDARY</b>	Based on the Career Cluster of interest and identified career and technical education program, the following postsecondary options are available.							
	<b>TECHNICAL CENTER PROGRAM(S)</b>		<b>COMMUNITY COLLEGE PROGRAM(S)</b>			<b>UNIVERSITY PROGRAM(S)</b>		
	Landscape Management (PSAV-A010615) Nursery Management (PSAV-A010616) Sports & Recreational Turf Management (PSAV- A02060)		Landscape and Horticulture Technology (AS-101060500) Through statewide articulation agreement, six 6 credits minimum are available toward the above AAS/AS program if student earns industry certification, FNGLA001 Golf Course Operations (AS1101060701) Pest Control Technology (AS1001110500)			Agricultural & Biological Engineering Agricultural Education and Communication Animal Sciences Environmental Horticulture Horticulture Science Landscape & Nursery Horticulture		

<b>CAREER</b>	<b>Sample Career Specialties (The Targeted Occupations List may be used to identify appropriate careers.)</b>		
	Landscape Technician Horticulture Nursery Worker Lawn maintenance Worker Crop Agriculturalist Rancher Sales Representative Landscape Architect Landscape Designer Irrigation Specialist	Greenhouse Manager Crop Farmer manager Golf Course Maintenance Agriscience Sales Representative Plant Breeder Lawn Service manager Floral designer Environmental Scientist Pest Control Specialist	Plant Geneticist Nursery/ Greenhouse worker Plant Pathologist Forest Geneticist Soil Specialist Golf Course Superintendent Nursery/ Greenhouse Manager Agriculture Educator Agriculture Journalist Horticulture and Landscape Operations

<b>CREDIT</b>	<b>Articulation and CTE Dual Enrollment Opportunities</b>		
	<b>Secondary to Technical Center (PSAV)</b> (Minimum # of clock hours awarded)	<b>Secondary to College Credit Certificate or Degree</b> (Minimum # of clock or credit hours awarded)	<b>PSAV/PSV to AAS or AS/BS/BAS</b> (Statewide and other local agreements may be included here)
	Check with Guidance Counselor or Career Specialist on local articulation agreements.	Landscape and Horticulture Specialist (CCC – 0101060504) Landscape and Horticulture Professional (CCC – 0101060503) Landscape and Horticulture Technician (CCC – 0101060505) Pest Control Operations (ATD - 0101110502 / A020408)	None

**Career and Technical Student Association**

**FFA, FNGLA**

**Internship/Work Experience Recommendations**

Secondary students may participate in career shadowing in 11<sup>th</sup> and 12<sup>th</sup> grades and/or a summer internship depending on the high school. The students at PHS can also work at the school’s greenhouse and garden to sell the plants and vegetables in their Farmer’s Market area.

[Program of Study Graduation Requirements](#)