


Career Cluster: Agriculture, Food & Natural Resources				CTE Program: Environmental Horticulture Science & Services 8121600				
Career Cluster Pathway: Plant Systems Career Path				Industry Certification: FNGLA001 Certified Horticulture Professional, FLFBR001 Certified Agriculture Technician				
		16 CORE CURRICULUM CREDITS				8 ADDITIONAL CREDITS		
		ENGLISH 4 credits	MATH 4 credits	SCIENCE 3 credits, 2 with lab	SOCIAL STUDIES 3 credits	OTHER REQUIRED COURSES FINE ARTS (1 credit) PHYSICAL EDUCATION (1 credit)	CAREER AND TECHNICAL EDUCATION COURSES	RECOMMENDED ELECTIVES (ALIGNED WITH COMMUNITY COLLEGE & STATE UNIVERSITY SYSTEM PROGRAMS)
HIGH SCHOOL	<ul style="list-style-type: none">Students are encouraged to use flchoices.org to explore careers and postsecondary options.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.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							
	9 th	English 1 or higher	Algebra 1 or higher	Earth Space Science or Agriscience Foundations	Elective: Intro to Information Tech (on-line)	Physical Education (1credit) (Not required for ACCEL Program)	Agriscience Foundations	
	10 th	English 2 or higher	Geometry or higher	Biology	World History	Practical Arts or Fine Arts course (1 credit)	Introductory Horticulture 2	
	11 th	English 3 or higher	Algebra II or higher	Chemistry	American History	Elective	Horticulture Science 3	Other elective course appropriate for student's career and education plan.
	12 th	English 4 or higher	Pre-Calculus or Higher	Elective	American Gov't & Economics	Elective or Dual Enrollment	Horticulture Science & Services 4	Other elective course appropriate for student's career and education plan.
POSTSECONDARY	Based on the Career Cluster of interest and identified career and technical education program, the following postsecondary options are available.							
	TECHNICAL CENTER PROGRAM(S)		COMMUNITY or STATE COLLEGE PROGRAM(S)			UNIVERSITY PROGRAM(S)		
	CTAE: None		College of Central Florida: <i>Agribusiness Management 2299</i>			Iorida Gulf Coast U - B.S. Biotechnology UF - B.S. Plant Science, Landscape & Nursery Horticulture, Food Science & Human Nutrition, Food & Resource Economics; FAMU - B.S. Agribusiness, Ag. Education, International Agriculture, Agronomy		
CAREER	Sample Career Specialties (The Targeted Occupations List may be used to identify appropriate careers.)							
	Agriculture Technicians		Landscape Designer, Golf Course Manager, Greenhouse Production Manager, Nursery Manager, Biotechnology Research Technician, Cell Culture Technician, Biotechnology Manufacturing Technician, Grounds Keeper, Agricultural Manager or Supervisor			Business Manager, Business Owner, Landscape Designer, Operations Manager, Rancher, Sales Manager, Sales Representative, Agriculture Teacher		
CREDIT	Articulation and CTE Dual Enrollment Opportunities							
	Secondary to Technical Center (PSAV) None		Secondary to College Credit Certificate or Degree (Minimum # of clock or credit hours awarded) See page 2			PSAV/PSV to AAS or AS/BS/BAS None		

Career and Technical Student Association: FFA

Internship/Work Experience Recommendations: Local farms, nurseries, golf courses, ag equipment sales locations, etc. Internship or shadowing experiences available.

Landscape Operations High School to College Career Pathway Program of Study Plan

High School Course(s)	CCF Course(s)	College Credits	Appropriate Dual Enrollment Course(s)
Agriscience Foundations	ORH 1000C Introduction to Horticulture and PLS 1220 Propagation of Nursery Plants	3 3	MAC 1105 College Algebra - 3 credits
Introductory Horticulture 2			ENC 1101 Freshman Comp -- 3 Credits
Horticulture Science 3			Industry certification opportunities: FNGLA 001: Certified Horticulture Professional earns ORH 1000C Introduction to Horticulture and ORH 1510 Ornamental Plant ID
Horticulture Sales & Services 4			