


Career Cluster: Agriculture, Food and Natural Resources				CTE Program: Landscape Operations (8002100)				
Career Cluster Pathway: Plant Systems				Industry Certification: Certified Horticultural Professional (FNGLA001); Landscape Maintenance (FNGLA003); Agricultural Associate (FLFBR007)				
	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 cr), PHYSICAL ED(1 cr), 1 ONLINE COURSE	CTE PATHWAY COURSES	RECOMMENDED ELECTIVES (ALIGNED WITH STATE COLLEGE & UNIVERSITY SYSTEM PROGRAMS)	
HIGH SCHOOL	<ul style="list-style-type: none"> Students are encouraged to use fchoices.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 							
	9th	English I or higher	Algebra 1 or higher	Physical Science or higher	Elective or AP Human Geography	Freshman Transition; Personal Fitness	AG Foundations EQ (8th grade) Intro. to Horticulture 2 (PA)	Digital Information Technology (PA)
	10th	English II	Geometry 1 or higher	Biology or higher	World History or higher	Practical Arts or Fine Arts	Horticulture Science 3 (PA) Landscape/Turf Science 4	
	11th	English III, AP English, *ENC 1101, ENC 1102	Algebra II or *MAT1033 or *MAC1105	Chemistry or higher	US History or higher		Landscape/Turf Science 5	Foreign Language, dual enrollment course* or AP Seminar
	12th	English IV, AP English, or *SPC 2608 or *ENC2300	Math for College Readiness, Pre-Calculus, AP math, or *MAT1033 or *MAC1105	AP Environmental Science or equivalent dual enrollment course*	US Gov't. and Economics or higher		Sports and Recreational Turf Operations 6	Foreign Language, AG OJT, dual enrollment course* or AP Seminar
POST SECONDARY	Based on the Career Cluster of interest and identified career and technical education program, the following postsecondary options are available.							
	TECHNICAL CENTER PROGRAM(S)	STATE COLLEGE PROGRAM(S)			UNIVERSITY PROGRAM(S)			
		College of Central Florida – A.S. Agribusiness Management – Horticulture Specialization www.cf.edu			University of Florida - Agricultural and Biological Engineering, Environmental Engineering, Horticultural Science, Landscape Architecture, Forest Resources and Conservation, Food and Agribusiness Marketing/Management			
CAREER	Sample Career Specialties (The Targeted Occupations List may be used to identify appropriate careers.)							
	Landscape Technician, Agricultural Technician, Forest Ranger, Irrigation Installer, Pest Control Worker	First-Line Supervisory Landscaping & Grounds keeping Operations, Landscape Designer, Golf Course Operations Technician, Greenhouse Manager			Landscape Architect, Sales Manager of Agriculture & Scientific Products, Environmental Economist, Nursery Grower, Forester, Agrisystems Engineer, Botanist, Environmental Engineer			
CREDIT	Articulation and CTE Dual Enrollment Opportunities							
	Secondary to Technical Center (PSAV) (Minimum # of clock hours awarded)	College of Central Florida - 6 credits in Agribusiness Management, A.S. – ORH1000C; ORH1510 FNGLA Certified Horticultural Professional – 5 credits in Agribusiness Management, A.S.			PSAV/PSV to AAS or AS/BS/BAS Gold Standard Articulation Agreement - FNGLA Certified Horticultural Professional, AS/AS Landscape and Horticulture Technology, 6 credits			
Career and Technical Student Association								
FFA								
Internship/Work Experience Recommendations								
Nursery work; Lab work								
*See the Articulation Coordinating Committee's Dual Enrollment Equivalency List and the Bright Futures Comprehensive Course Table.								