


<b>Career Cluster: Agriculture, Food and Natural Resources</b>	<b>Secondary CTE Program: Agritechnology (8106800)</b> <b>Post-Secondary Program: Veterinary Assisting (A010512) or Agricultural Production Technology, AS</b>
<b>Career Cluster Pathway: Animal Systems and Plant Systems</b>	<b>Secondary Industry Certification:</b> FLFBR001 – Agritechnology Specialist Certification (.2) <b>Post-Secondary Industry Certification:</b> FLFBR006 – Agriculture Unmanned Aircraft Systems Specialist Certification

 <b>WISE</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>• 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> <li>• Students should talk with their counselors about the availability and requirements of AP and Dual courses which are paid for by Walton County School District while you are enrolled in high school. The college credit hours may be used in your Post-secondary education.</li> <li>• Students are also encouraged to participate in CTE dual enrollment courses which may be used to satisfy high school graduation or Bright Futures Gold Seal Vocational Scholars course requirements. Three courses are required within one program for BF – GSV.</li> <li>• Students are encouraged to begin planning for careers and postsecondary options by exploring resources at <a href="http://mycareershines.org">mycareershines.org</a>.</li> </ul>							
	<b>9<sup>th</sup></b>	English I	Algebra 1-A	Physical Science or Biology	World History	Physical Education (1 credit) / HOPE (PE Variation)	Agriscience Foundations 1 8106810	Elective Practical/Fine Arts
	<b>10<sup>th</sup></b>	English II	Algebra 1-B	Physical Science or Biology	US History	Practical Arts or Fine Arts course (1 credit)	Agritechnology 1 8106820	Foreign Language for SUS admission or other elective appropriate for student's career and education plan.
	<b>11<sup>th</sup></b>	English III	Geometry	Environmental Science	US Government	Personal Finance (Online Course)	Agritechnology 2 8106830	Foreign Language for SUS admission or other elective appropriate for student's career and education plan.
	<b>12<sup>th</sup></b>	English IV	Liberal Arts Math 1 or Liberal Arts Math 2		Economics/ Financial Literacy	Student Choice Elective		Student Choice Elective

<b>POSTSECONDARY (PATHWAYS)</b>	Based on the Career Cluster of interest and identified career and technical education program, the following postsecondary options are available.		
	<b>TECHNICAL COLLEGE PROGRAM(S)</b>	<b>STATE COLLEGE PROGRAM(S)</b>	<b>UNIVERSITY PROGRAM(S)</b>
		<b>Pensacola State</b> Agricultural Science, AA Plant Science, AA Veterinary Technology, AS Biochemistry, AA	<b>FAMU</b> Agribusiness, BS Food Science, BS <b>FSU</b> Biological Sciences – Plant Sciences, BA
<b>CAREER</b>	<b>Sample Career Specialties (The Targeted Occupations List may be used to identify appropriate careers.)</b>		
	Agricultural & Food Science Technician  <b>Requires Post-Secondary Education:</b> Farmer Food & Drug Inspector Food Processor Produce Buyer	Agricultural Communications Specialist Agricultural Salesperson Meat Cutter-Meat Grader Meat Processor  <b>Requires Baccalaureate Degree:</b> Agricultural Educator Bacteriologist	Biochemist-Nutritionist Bioengineer Dietician Food and Fiber Engineer Food Scientist Meat Science Researcher Microbiologist Quality Control Specialist
<b>CREDIT</b>	<b>Articulation and CTE Dual Enrollment Opportunities</b>		
	<b>Secondary to Technical College (PSAV)</b> (Minimum # of clock hours awarded)  Agritechnology Specialist Certification shall articulate two (2) college credit hours to Agricultural Production Technology.	<b>Technical College to State College Degree</b> (Minimum # of clock or credit hours awarded)  Nursery Management Program shall articulate six (6) college credit hours toward Landscape & Horticulture Technology AS/AAS.	<b>AS to BS</b> (Statewide and other local agreements may be included here)
<b>Career and Technical Student Association</b>			
<b>FFA-Future Farmers of America</b>			
<b>Non-Traditional Program Status:</b> Agritechnology is a non-traditional program for Females.		<b>2020 Regional Hourly Wage Range: (entry and mean)</b> Veterinary Technologists and Technicians: \$13.05 - \$16.36 Sales Rep., Wholesale/Manufacturing, Scientific Products: \$13.96 - \$37.22 First-Line Supervisors of Lawn/Grounds Workers: \$14.19 - \$18.49	
<b>Program of Study Graduation Requirements:</b> <a href="http://www.fldoe.org/academics/graduation-requirements">http://www.fldoe.org/academics/graduation-requirements</a> Wage Information provided by Florida Department of Economic Opportunity – Bureau of Workforce Statistics and Economic Research – <a href="http://www.floridajobs.org/workforce-statistics/publications-and-reports/labor-market-information-reports/regional-demand-occupations-list">http://www.floridajobs.org/workforce-statistics/publications-and-reports/labor-market-information-reports/regional-demand-occupations-list</a>			