


Career Cluster: Agriculture, Food and Natural Resources					<b>Secondary CTE Program: Agritechnology (8106800)</b> <b>Post-Secondary Program: Veterinary Assisting (A010512) or Veterinary Technology, AS</b>				
Career Cluster Pathway: Animal Systems and Plant Systems					<b>Secondary Industry Certification:</b> FLFBR001 – Agritechnology Certification (.2) FLFBR005 – Animal Science Certification (.2) FLFBR007 – Agriculture Associate Certification (.2) FLFBR009 – Agriculture Systems Assoc. Certification (.1) <b>Post-Secondary Industry Certification:</b> AAVSB001 – Veterinary Technician				
		<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 1 or English 1 Honors	Algebra 1A or Geometry Honors	Physical Science or Biology Honors	Online Required Course or Other Student Choice Elective	Physical Education (1 credit) / HOPE (PE Variation)	Agriscience Foundations 1 8106810	Elective Practical/Fine Arts
		<b>10<sup>th</sup></b>	English II or English II Honors	Algebra 1B or Algebra 2 Honors	Biology or Chemistry Honors	World History or World History Honors	Practical Arts or Fine Arts course (1 credit)	Agritechnology1 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 or English III Honors	Geometry or Pre-Calc or Math for College Readiness	Enviro Science or AP Enviro Sci or Physics or Anat & Phys	American History or American History Honors	Personal Finance (Online Course)	Agritechnology2 8106830 (OCP A)	Foreign Language for SUS admission or other elective appropriate for student's career and education plan.
		<b>12<sup>th</sup></b>	English IV or English IV Honors	Math for College Readiness or Calculus	Anat & Phys or AP Enviro Science	American Gov/Econ or American Govt/Econ Honors	Student Choice Elective	Agriculture Lead & Management 8009110 (OCP A)	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/Environmental Horticultural, AA Veterinary Technology, AS Biochemistry, AA <b>NWFSC</b> Agricultural (Food & Resource) Economics, AA Agricultural Science, AA Biochemistry, AA	<b>UWF</b> Food & Resources Economics, BA <b>FAMU</b> Agribusiness, BA Food Science, BA <b>FSU</b> Biological Sciences – Plant Sciences, BA
<b>CAREER</b>	Sample Career Specialties (The Targeted Occupations List may be used to identify appropriate careers.)		
	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>	Articulation and CTE Dual Enrollment Opportunities		
	<b>Secondary to Technical College (PSAV)</b> (Minimum # of clock hours awarded)	<b>Technical College to State College Degree</b> (Minimum # of clock or credit hours awarded)  Agriculture Technician Certification shall articulate two (2) college credit hours to the AS Degree in Agriculture Production Technology.	<b>AS to BS</b> (Statewide and other local agreements may be included here)
<b>Career and Technical Student Association</b>			
<b>SkillsUSA or FL-Technology Student Association (FL-TSA)</b>			
<b>Non-Traditional Program Status:</b> Agritechnology is not a non-traditional program for either gender.		<b>Salary Range: (entry and exit salaries)</b> Agricultural & Food Science Technician: \$23,450 - \$58,270 Agricultural Inspectors: \$26,440 - \$62,930 Farmer, Ranchers & Other Agricultural Managers: \$33,110 - \$113,140 Food Scientists & Technologists: \$36,940 - \$118,390 Biochemists & Biophysicists: \$44,640 - \$153,810	
<b>Program of Study Graduation Requirements:</b> <a href="http://www.fldoe.org/academics/graduation-requirements">http://www.fldoe.org/academics/graduation-requirements</a> <b>Salary Information provided by US Dept. of Labor – Bureau of Labor Statistics – State of Florida (May 2015)</b> <a href="http://www.bls.gov/oes/current/oes_fl.htm#29-0000">http://www.bls.gov/oes/current/oes_fl.htm#29-0000</a>			