Career Cluster: Agriculture, Food & Natural Resources	**CTE Program:** **Secondary: Academy of Veterinary and Biomedical Sciences** Beachside High School, St. Johns County School District
Career Cluster Pathway: Veterinary Assisting	**Industry Certification:** *CVA, Animal Science* **Secondary:** *Elanco Animal Science*

ACADEMY OF Veterinary and Biomedical Sciences BEACHSIDE HIGH SCHOOL

	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 STATE COLLEGE & UNIVERSITY SYSTEM PROGRAMS)

HIGH SCHOOL

- Students are encouraged to use mycareershines.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

Grade	English	Math	Science	Social Studies	Other Required	CTE	Electives
9th	English 1, English Honors 1	Algebra I, Algebra 1 Honors, Geometry Honors, Algebra 2 Honors	Environmental Science, Physical Science Honors, Biology 1 Honors	AP Human Geography, World Cultural Geography or Elective	HOPE – Health Opportunities through Physical Education	Veterinary Assisting 1	Spanish, ASL
10th	English 2, English Honors 2	Geometry, Geometry Honors, Pre-Calculus Honors	Biology, Biology Honors, Chemistry, Chemistry Honors, Physics	AP World History, World History, World History Honors	2D Art, 3D Art, Digital Media	Veterinary Assisting 2	Spanish, ASL
11th	English 3, English Honors 3, AP Language	Geometry, Algebra 2, Algebra 2 Honors, AP Calculus AB, AP Statistics	Marine Science, Marine Science Honors, Anatomy and Physiology Honors, Chemistry, Chemistry Honors, Physics Honors	AP US History, US History Honors, US History	Elective	Veterinary Assisting 3	Spanish, ASL
12th	English 4, English Honors 4, DE Freshman English, AP Literature	Probability and Statistics, AP Statistics, AP Calculus BC	AP Biology, AP Chemistry, AP Environmental Science, AP Physics	American Government .5 + Economics .5, AP Macro/Micro Econ, AP US Fed Gov't	Elective	Veterinary Assisting 4	Spanish, ASL

POSTSECONDARY

Based on the Career Cluster of interest and identified career and technical education program, the following postsecondary options are available.

TECHNICAL COLLEGE PROGRAM(S)	**STATE COLLEGE PROGRAM(S)**	**UNIVERSITY PROGRAM(S)**
N/A	**St. Johns River State College, St. Augustine:** College Credit Certificates (CCC): Engineering Technology Support Specialist, Mechatronics, Robotics and Simulation Technician Associate in Science (A.S.) Degree in Engineering Technology	**University of North Florida, Jacksonville:** College of Computing, Engineering & Construction – Mechanical Engineering (B.S.), MS in Mechanical Engineering **Embry-Riddle Aeronautical University, Daytona:** Mechanical Engineering (B.S.), MS in Mechanical Engineering, Ph.D. in Mechanical Engineering, MS in Unmanned and Autonomous Systems Engineer, MS in Unmanned Systems

CAREER

Sample Career Specialties from the Demand Occupations List

	Electrical and Electronics Repairers, Commercial and Industrial Equipment, Electrical and Electronic Equipment Assemblers, Electromechanical Equipment Assemblers, Aerospace Engineering and Operations Technicians	First-line Supervisors of Production and Operating Workers, Engineering Technology Support Specialist, Robotics and Simulation Technician	Automation Engineer, Autonomous Vehicle, Design Engineer, Design Engineer, Factory Automations Engineer, Research Engineer Robotic Systems Engineer, Mechanical Engineer, Unmanned and Autonomous Systems Engineer

Career and Technical Student Association

FFA

Internship/Work Experience Recommendations

Veterinary Students can begin to work in a Veterinary Clinic, beginning after the completion on Veterinary Assisting 1, Students need 250 hours in order to sit for their CVA.

Program of Study Graduation Requirements: http://www.fldoe.org/academics/graduation-requirements