

Career Cluster: Agriculture, Food & Natural Resources
 Career Cluster Pathway: Animal Systems

CTE Program: **Aquaculture (8004100)**
 Industry Certification: FLBER001

16 REQUIRED CREDITS

8 ELECTIVE CREDITS REQUIRED

<i>Collier County Program of Study</i>	ENGLISH (4 credits)	MATH (4 credits)	SCIENCE (3 credits, 2 with lab)	SOCIAL STUDIES (3 credits)	CAREER EDUCATION PROGRAM COURSES		RECOMMENDED ELECTIVES (State University System Aligned)
	AP- Adv. Placement DE- Dual Enrollment	AP- Adv. Placement DE- Dual Enrollment	AP- Adv. Placement DE- Dual Enrollment	AP- Adv. Placement DE- Dual Enrollment	<u>Other Requirements:</u> Pass FCAT 2/PARC – Reading Level 3, pass Algebra I EOC, and 30% of EOC Exam for Biology, Algebra 2, Geometry, US History		(One virtual course is required)

Dual enrollment and CTE courses satisfy high school graduation and Bright Futures Gold Seal Vocational Scholars course requirements. Agriscience Foundations and Aerospace Technology satisfy core science requirements. State approved industry certifications leading to college credit may substitute for up to two credits of math and one credit of science. One online course and a 2.0 is required for graduation. Visit www.flvs.org and your counselor.

HIGH SCHOOL	9	English 1 or Honors (1)	Algebra 1 or Honors (1)	Earth & Space Science or Honors (1)	Digital Information Technology (1) (*Art requirement)	HOPE (1)	Agriscience Foundations-H (1) (Science Credit)	Foreign Language 1 (1)	
	10	English 2 or Honors (1)	Algebra I/H or Informal Geometry or Geometry/ H (1)	Biology or Honors (1)	World History or Honors or AP (1)	Elective (1)	Aquaculture 2-H (1)	Foreign Language 2 (1)	
	Students are encouraged to take the ACT, SAT or PERT during 11th grade. Scores on the FCAT, FACT 2.0 and EOCs' should determine college readiness								
	11	English 3 or Honors or DE or AP (1)	Geometry/H or Algebra 2/H or DE or AP (1)	Chemistry or Physical Science or Physics or DE or AP (1)	American History or Honors, DE or AP (1)	Elective (1)	Aquaculture 3-H(1)	Foreign Language 3 or Elective (1)	
	12	English 4 or Honors or DE or AP (1)	Algebra 2/H or College Ready Math or DE or AP (1)	Physics or DE or AP or Elective (1)	Am Gov/Economics or Honors or DE or AP (1)	Elective(1)	Executive Internship or OJT or Elective (1)	FL Virtual Course (1)	

PSTSECONDARY	Based on this Career Cluster and identified career and identified technical education program, the following postsecondary options are available.		
	TECHNICAL CENTER PROGRAM(S)	COMMUNITY/STATE COLLEGE PROGRAM(S)	UNIVERSITY PROGRAM(S)
	-No Aquaculture PSAV are currently available	<ul style="list-style-type: none"> -Marine Environmental Tech., CC (62) -Environmental Science Tech. CCC (30) -Environmental Sci. Tech. AS (64) -Aquaculture Technology, CCC, (26) -Aquaculture Management, AS (63) 	<ul style="list-style-type: none"> -Fisheries & Aquatic Sciences, BS (120), UF -Marine Science (Interdisciplinary Studies BS, (125), UF -Oceanography, BS, (133 cr.) – FIT -Environmental Science, BS, (120 cr.) – USF and SFU -Marine Science, BS (120 cr.) – Jacksonville Univ. -Wildlife & Fisheries Mgmt. BS, (125) U. of Tennessee

ARTICULATIONS/ CREDIT	High School Students to PSAV Technical Center Program	Technical Center or High School to Community or State College	State and Community Colleges to Universities
	No articulation agreements at this time	No articulation agreements at this time	- Regionally Accredited AS Degree Program (60 Cr.) to BS Applied Science (60 cr.) = (120 Cr.)
Based on the Career Cluster of interest and identified CTE program the following postsecondary programs are available.			
CAREERS	Technical Centers	Community Colleges	4 Year Colleges and Universities
	Lab Assistant Salt Water Technician Fish & Wildlife Technician Fish Farm Worker	(DOL) Vocational Education Teacher (HSHW) Production Assistant Fish Culturist Lab Assistant	(DOL) Vocational Education Teacher (HSHW) Marine Aquaculture Specialist Parks, Facility Mgmt. Specialist Lab Research Technician Farm Manager
INDUSTRY CERTIFICATIONS			
<p>All certifications students have the opportunity to take while in this POS: FLBER001: Agritechnology Certification, Florida Farm Bureau</p>			
CAREER AND TECHNICAL STUDENT ASSOCIATION			
FFA, Future Farmers of America			
INTERNSHIP/WORK EXPERIENCE RECOMMENDATIONS			
Shadow, intern, volunteer or work at state parks, fisheries, environmental facilities or Rockery Bay. Join FFA. Refer to http://collierschools.com/careertech/internships.htm for district approved internship opportunities.			
****	Reviewed May 1, 2016 and updated annually. See your Counselor for the most recent plan as student schedules will vary based on the needs of the student. Find detailed graduation requirements at: http://www.fldoe.org/academics/graduation-requirements		

Aquaculture (HS) #8004100