|  |  |
| --- | --- |
| Career Cluster: *Agriculture, Food, and Natural Resources* | CTE Program: *Aquaculture* |
| Career Cluster Pathway: *Animal Systems* | Industry Certification(s):  *See Below* |
| Logo for Florida Career Clusters | 16 CORE CURRICULUM CREDITS | 8 ADDITIONAL CREDITS |
| ENGLISH4 credits | MATH4 credits | SCIENCE3 credits, 2 with lab | SOCIAL STUDIES3 credits | OTHER REQUIRED COURSESFINE ARTS (1 credit) PHYSICAL EDUCATION (1 credit) | CAREER AND TECHNICAL EDUCATION COURSES | **RECOMMENDED ELECTIVES**(ALIGNED WITH COMMUNITY COLLEGE & STATE UNIVERSITY SYSTEM PROGRAMS) |
| HIGH SCHOOL | Students are encouraged to use flchoices.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 | Algebra 1, Algebra 1A, or Geometry | Biology I | None | Personal Fitness | Agri-Science Foundatons | Performing Arts |
| 10th | English II | Algebra 1, Algebra 2 or Geometry | Physical Science or Chemistry I | World History | PE/ Band / JROTC | Aquaculture II | Spanish 1 |
| 11th | English III | Algebra 2, Geometry or Math for College Algebra | Science Elective | American History | PE / Band / JROTC | Aquaculture III | Spanish 2 |
| 12th | English IV | Algebra 2, Math for College Algebra, or Pre-Calculus | Science Elective | American Government/ Economics | Fine Arts or Practical Arts | Aquaculture IV |  |
| POSTSECONDARY | **Based on the Career Cluster of interest and identified career and technical education program, the following postsecondary options are available.** |
| **TECHNICAL CENTER PROGRAM(S)** | **COMMUNITY COLLEGE PROGRAM(S)** | **UNIVERSITY PROGRAM(S)** |
| Florida Keys Community College | Hillsborough Community College, Tallahassee Community College | University of Florida, Florida A & M University |
| CAREER | **Sample Career Specialties (The Targeted Occupations List may be used to identify appropriate careers.)** |
| Fish Farmer, Turtle Farmer, Shellfish Farmer, Importing Non-native Fish Species, Aquaponics Farmer | Aquaculture Farmer, Shellfish Culturist, Hatchery Technician, Biological Science Technician, Fish Research Assistant | Aquaculture Coordinator, Aquatic Animal Health Coordinator, Deputy Manager |
| CREDIT |  |
| **Secondary to Technical Center (PSAV)** | **Secondary to College Credit Certificate or Degree** | **PSAV/PSV to AAS or AS/BS/BAS** |
|  | Indian River Community CollegeFAS1010 Introduction to Aquaculture**3 Credits** |  |
| **CERTIFICATIONS** | **Agritechnology Specialist FLFBR001 (articulates 2 credit hours toward the AS degree in Agricultural Production Technology)****Aquaculture Technician FLAQ001** |
| **Career and Technical Student Association** |
| ***FFA*** |
| **Internship/Work Experience Recommendations** |
| ***Animal Services OJT or Internship***  |
| **FOR MORE INFORMATION CONTACT CAREER AND TECHNICAL EDUCATION DEPARTMENT or SCHOOL GUIDANCE DEPARTMENT** |

Program of Study Graduation Requirements 2022-2023: <http://www.fldoe.org/workforce/perkins/pdf/POS-GradChecklist.pdf>