


Career Cluster: Science, Technology, Engineering & Math

Secondary CTE Program: Biotechnology & Medical Research

Career Cluster Pathway: Health Sciences

Eligible Recipient: Grades 9-12

 <p>PONTE VEDRA HIGH SCHOOL Academy of Biotechnology & Medical Research</p>	16 CORE CURRICULUM CREDITS					8 ADDITIONAL CREDITS	
	ENGLISH	MATH	SCIENCE	SOCIAL STUDIES	OTHER REQUIRED COURSES	CAREER AND TECHNICAL EDUCATION COURSES	
	4 credits	4 credits	3 credits	3 credits	2 credits	Major Area of Interest 4 credits	
HIGH SCHOOL	Career Cluster of interest identified by students enrolled in required middle school career education course that includes interest assessment and course selection through CHOICES and ePersonal Education Planner through FACTS.org.						
	9	English 1	Geometry	Biology 1 Honors	Social Studies	HOPE	Biotechnology I
	10	English 2	Algebra 2	Chemistry Honors	Social Studies	Fine or Practical Art	Biotechnology II
	11	English 3	Math	Physics or AP Biology	Social Studies	Elective	Biotechnology III
	12	English 4	Math	AP Science	Social Studies	Elective	Biotechnology Elective
Dual enrollment courses may be used to satisfy high school graduation or Bright Futures Gold Seal Vocational Scholars course requirements - see Coordinating Committee's Dual Enrollment Equivalency List and the Bright Futures Comprehensive Course Table.							
POSTSECONDARY	Secondary career and technical education programs may lead to industry recognized certificates, occupational opportunities or postsecondary education. If a student identifies 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)		
CAREER	SAMPLE CAREER SPECIALTIES (The Targeted Occupations List may be used to identify appropriate careers.)						
	Biomedical Equipment Maintenance and Repair Technician; Bioinformatics technician		Biological Illustration; biomedical technician; laboratory assistant		Molecular Biologist; Analytical Chemist; Biomedical Engineer; Ecologist; Genetic Counselor; Cell Scientist; Pharmaceutical Research Scientist		
CREDIT	ARTICULATION AND CTE DUAL ENROLLMENT OPPORTUNITIES						
	Secondary to Technical Center (PSAV) Florida State College at Jacksonville		Secondary to College Credit Certificate or Degree FSC at Jax.: Bio I, II, III at PVHS transfers as 4 crdts. Intro to Biotech Methods, Intro to Biotech, Princ. of Biology, and Human Biology		PSAV/PSV to AAS or Bachelor's Degree University of Florida; University of South Florida		

*Possible Industry Certifications (Students):

Secondary:

Postsecondary: | Biomedical Equipment Maintenance and Repair Technology (workforce certificate); Bioinformatics (Advanced Certificate)

Medical Research

GENERAL CREDITS

**RECOMMENDED
ELECTIVES**

Career exploration

Foreign Language (Latin
recommended)

Foreign Language (Latin
recommended)

Foreign Language (Latin
recommended)

Foreign Language (Latin
recommended)

the Articulation

on options. Based on
file.

PROGRAM(S)

otechnology; Agricultural &
Chemical technology;
Technology; Biology;

tical Chemist; Biomedical
ologist; Microbiology and
lant Pathologist

or AS to BS or BAS

iversity of Central Florida

