


Career Cluster: Health Science (STEM)	CTE Program: Secondary: Flagler Health + Academy of Future Healthcare Professionals – Electrocardiograph Technician (8427100) Tocoi Creek High School, St. Johns County School District							
Career Cluster Pathway: Therapeutic Services Career Path	Industry Certification: Secondary: EKG Technician (NATHA002) First Coast Technical College: Medical Assistant (NCFCT005), Emergency Medical Technician (NREMT001), Licensed Practical Nurse (NCSBN002), Paramedic (FDMQA014) St. Johns River State College: Postsecondary: Patient Care Technician (NATHA006), Medical Assistant (AMAMA001), Licensed Practical Nurse (NCSBN002), Registered Nurse (NCSBN001), Respiratory Therapist Certified (NBFRC001) and Registered (NBFRC002), Radiologic Technologist (AMRRT002), Registered Health Information Technician (AHIMA009), Paramedic (FDMQA014), Emergency Medical Technician (NREMT001)							
	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	<ul style="list-style-type: none"> • 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 							
	9th	English 1, English Honors 1	Algebra I, Algebra 1 Honors, Geometry Honors, Algebra 2 Honors	Environmental Science, Physical Science, Biology 1 Honors	AP Human Geography or Elective	HOPE – Health Opportunities through Physical Education	Health Science Anatomy & Physiology - 8417100	Elective
	10th	English 2, English Honors 2	Liberal Arts Math 1, Geometry, Geometry Honors, Pre-Calculus Honors	Biology, Biology Honors, Chemistry, Chemistry Honors	AP World History, World History, World History Honors	World Language 1	Health Science Foundations - 8417110	Elective
	11th	English 3, English Honors 3 DE Freshman English 1 ENC 1101, AP Language	Geometry, Algebra 2, Algebra 2 Honors, AP Calculus AB	Marine Science, Marine Science Honors, Earth Science, Anatomy and Physiology Honors, Chemistry, Chemistry Honors, Physics Honors	AP US History, US History, Dual Enrollment AMH 2010	World Language 2	Electrocardiograph Technician 3 - 8427130	Elective
	12th	English 4, English Honors 4, AP or DE Freshman English 1 (ENC1102), AP Literature	Financial Algebra, Math for College Readiness, 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	Nursing Assistant 3 – 8417211 OR SJR State Health-Related DE Course	Elective
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)		
	First Coast Technical College, St. Augustine (PSAV/clock hour programs): Dental Assisting, Emergency Medical Technician (EMT), Home Health Aide, Medical Assisting, Practical Nursing, Paramedic	St. Johns River State College, St. Augustine: CCC and/or PSAV/clock hour programs: Emergency Medical Technician, Health Care Services, Office Management – Medical Office, Paramedic, Medical Assisting, Nursing Assistant, Practical Nursing A.S. degrees: Emergency Medical Services, Health Information Technology, Health Services Management, Medical Office Administration, Radiologic Technology, Respiratory Care, Nursing Nursing LPN Bridge to ASN – AS Degree				University of North Florida, Brooks College of Health, Jacksonville, B.S. degrees – Interdisciplinary Health Studies, Nursing, Public Health, Health Administration, Athletic Training, Exercise Science, Physical Therapy, Nutrition and Dietetics St. Johns River State College, St. Augustine: B.S. - Nursing, Organizational Management in Health Administration		

Sample Career Specialties			
CAREER	Home Health Nursing Asst., Paramedic, Emergency Medical Technician, EKG Technician, Phlebotomy Technician, Paramedic, Licensed Practical Nurse, Dental Assistant, Diagnostic Medical Sonographers, Health Technologist and Technician, Medical Assistant, Medical Secretary, Radiologic Technologist, Surgical Technologist, Medical Assistant	Registered Health Information Technician, Radiologic Technologist, Respiratory Therapist, Medical Office Secretary, Medical Office Manager, Health Services Manager, Registered Nurse, Emergency Medical Technician, Paramedic, Dental Hygienist, Medical and Clinical Laboratory Technician, Medical and Clinical Laboratory Technologist, Medical Records and Health Information Technicians, Physical Therapist Assistant	Health Services Administrator, Dietician, Nutritionist, Registered Nurse, Health and Fitness Specialist, Clinical Exercise Specialist, Athletic Trainer, Health Care Researcher, Public Health Worker, Hospital Administrator, Medical and Health Services Managers, Physical Therapist
Career and Technical Student Association			
HOSA			
Internship/Work Experience Recommendations			
Career Academy students may apply for summer internships after their junior year.			
Program of Study Graduation Requirements: http://www.fldoe.org/academics/graduation-requirements			