




**2016 - 17**

## **Programs of Study**

Career and Technical Education programs offer training leading to high wage/high skills jobs and to further post-secondary education. Over 40 programs in Sarasota County schools are available in 13 career cluster areas. The following CTE


Programs of Study are aligned to the target industries and occupations of the District. The Programs of Study are provided to assist students and parents in deciding which programs to study at the high school level. They can also be used to assist schools in deciding what programs they might wish to offer.

Career Cluster: Business, Management & Administration					CTE Program: Accounting Applications (9302100)			
Career Cluster Pathway: Business Financial Management					Industry Certification: MICRO069, INTUT001			
	<b>16 CORE CURRICULUM CREDITS</b>					<b>8 ADDITIONAL CREDITS</b>		
	<b>ENGLISH</b> 4 credits	<b>MATH</b> 4 credits	<b>SCIENCE</b> 3 credits, 2 with lab	<b>SOCIAL STUDIES</b> 3 credits	<b>OTHER REQUIRED COURSES</b> FINE ARTS or Approved PRACTICAL ARTS (1 credit) PHYSICAL EDUCATION (1 credit)	<b>CAREER AND TECHNICAL EDUCATION COURSES</b>	<b>RECOMMENDED ELECTIVES</b> (Aligned with State University System Admissions)	
<b>HIGH SCHOOL</b>	<b>Career Cluster of interest identified by students enrolled in required middle school career education course that includes interest assessment and career exploration through CHOICES and ePersonal Education Planner through FACTS.org.</b>							
	9	English I or H	Algebra 1 or H, or Geometry or H	Physical Science or Biology	Geography (elective)	Practical Arts or Fine Arts course (1 credit)	Introduction to Information Technology	Foreign Language for SUS admission or other elective appropriate for student's career and education plan.
	10	English 2 or H	Geometry or H, or Algebra 2 or H	Chemistry or Physics	World History or H	HOPE (1 credit)	Accounting Applications 1	Foreign Language for SUS admission or other elective appropriate for student's career and education plan.
	11	English 3 or H	Liberal Arts or Algebra 2 or H	1 "equally rigorous" science	US History or H		Accounting Applications 2	Other elective course appropriate for student's career and education plan.
	12	English 4 or H	Algebra 2, Pre Calculus, Math for College Readiness or higher		Economics (.5) American Government (.5)	Business Education Directed Study	Accounting Applications 3	Other elective course appropriate for student's career and education plan.
<b>Dual enrollment courses may be used to satisfy high school graduation or Bright Futures Gold Seal Vocational Scholars course requirements - see the Articulation Coordinating Committee's Dual Enrollment Equivalency List and the Bright Futures Comprehensive Course Table.</b>								
<b>POSTSECONDARY</b>	<b>Secondary career and technical education programs may lead to industry recognized certificates, occupational opportunities or postsecondary education options. Based on the Career Cluster of interest and identified career and technical education program, the following postsecondary options are available.</b>							
	<b>TECHNICAL CENTER PROGRAM(S)</b>			<b>COMMUNITY COLLEGE PROGRAM(S)</b>			<b>UNIVERSITY PROGRAM(S)</b>	
	Accounting Applications (B070110)			Business Administration/Accounting Specialization			Business Administration, Accounting	
<b>ER</b>	<b>SAMPLE CAREER SPECIALTIES</b> (The Targeted Occupations List may be used to identify appropriate careers.)							

<b>CAREI</b>	Bookkeeper, Accounting Clerk	Accounting Associate, Accounting Assistant	Accountant, Auditor
	<b>ARTICULATION AND CTE DUAL ENROLLMENT OPPORTUNITIES</b>		
<b>CREDIT</b>	<b>Secondary to Technical Center (PSAV)</b> (minimum # of clock hours awarded)	<b>Secondary to College Credit Certificate or Degree</b> (minimum # of clock or credit hours awarded)	<b>PSAV/PSV to AAS or AS to BS or BAS</b> (statewide and other local agreements may be included here)
	Secondary program completion earns 600 of 900 clock hours for Accounting Applications (B070110) at Sarasota County Technical Institute	State College of Florida Articulation Intro to Information Technology + MOS Excel = Computer Information Systems - 3 credits	QuickBooks Certified user shall articulate 3 college credit hours to the AAS/AS degree in Accounting Technology
		Accounting Applications 1 and 2 = Integrated Business Applications - 3 credits	
<b>Career and Technical Student Organization</b>			
Future Business Leaders of America, Business Professionals of America			
<b>Internship/Work Experience Recommendations</b>			
Work, intern, volunteer or shadow credit unions, school or district accounting offices, banks, family tax accountant or loan institutions			

Career Cluster: Business, Management & Administration CTE Program: Administrative Office Specialist - B070330

Career Cluster Pathway: Administrative Support Industry Certification: MICRO069

	16 CORE CURRICULUM CREDITS					8 ADDITIONAL CREDITS	
	<b>ENGLISH</b> 4 credits	<b>MATH</b> 4 credits	<b>SCIENCE</b> 3 credits, 2 with lab	<b>SOCIAL STUDIES</b> 3 credits	<b>OTHER REQUIRED COURSES</b> FINE ARTS or Approved PRACTICAL ARTS (1 credit) PHYSICAL EDUCATION (1 credit)	<b>CAREER AND TECHNICAL EDUCATION COURSES</b>	<b>RECOMMENDED ELECTIVES</b> (Aligned with State University System Admissions)

Career Cluster of interest identified by students enrolled in required middle school career education course that includes interest assessment and career exploration through CHOICES and ePersonal Education Planner through FACTS.org.

<b>HIGH SCHOOL</b>	<b>9</b>	English I or H	Algebra 1 or H, or Geometry or H	Physical Science or Biology	Geography (elective)	Practical Arts or Fine Arts course (1 credit)	Foreign Language for SUS admission or other elective appropriate for student's career and education plan.
	<b>10</b>	English 2 or H	Geometry or H, or Algebra 2 or H	Chemistry or Physics	World History or H	HOPE (1 credit)	Foreign Language for SUS admission or other elective appropriate for student's career and education plan.
	<b>11</b>	English 3 or H	Liberal Arts or Algebra 2 or H	1 "equally rigorous" science	US History or H	Introduction to Information Technology Administrative Office Technology 1 Business Software Applications 1 Digital Design 1	Other elective course appropriate for student's career and education plan.
	<b>12</b>	English 4 or H	Algebra 2, Pre Calculus, Math for College Readiness or higher		Economics (.5) American Government (.5)	Business Education Directed Study	Administrative Office Technology 2 & 3 Business Software Applications 2

Dual enrollment courses may be used to satisfy high school graduation or Bright Futures Gold Seal Vocational Scholars course requirements - see the Articulation Coordinating Committee's Dual Enrollment Equivalency List and the Bright Futures Comprehensive Course Table.

Secondary career and technical education programs may lead to industry recognized certificates, occupational opportunities or postsecondary education options. Based on the Career Cluster of interest and identified career and technical education program, the following postsecondary options are available.

<b>POSTSECONDARY</b>	TECHNICAL CENTER PROGRAM(S)	COMMUNITY COLLEGE PROGRAM(S)	UNIVERSITY PROGRAM(S)
	Administrative Office Specialist B070330	Business Administration	Business Administration

**SAMPLE CAREER SPECIALTIES**  
(The Targeted Occupations List may be used to identify appropriate careers.)

<b>nt</b>	Administrative Assistant, Receptionist, Front Desk Specialist, Data Entry Assistant	Administrative Manager, Business Manager, Front Desk Manager, Data Entry Manager	Administrative Manager, Business Manager, Front Desk Manager, Data Entry Manager
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**ARTICULATION AND CTE DUAL ENROLLMENT OPPORTUNITIES**


<b>CREDIT</b>	Secondary to Technical Center (PSAV) (minimum # of clock hours awarded)	Secondary to College Credit Certificate or Degree (minimum # of clock or credit hours awarded)	PSAV/PSV to AAS or AS to BS or BAS (statewide and other local agreements may be included here)
	1050 clock hours	State College of Florida 3 - 13 credits	


Career and Technical Student Organization


Future Business Leaders of America and/or Skills USA


Internship/Work Experience Recommendations

Work, intern, volunteer or shadow industry practitioners


Career Cluster: Health Science					CTE Program: Allied Health Assisting			
Career Cluster Pathway: Therapeutic Services					Industry Certification: CMAA; EKG Technician			
	<b>16 CORE CURRICULUM CREDITS</b>					<b>8 ADDITIONAL CREDITS</b>		
	<b>ENGLISH</b> 4 credits	<b>MATH</b> 4 credits	<b>SCIENCE</b> 3 credits, 2 with lab	<b>SOCIAL STUDIES</b> 3 credits	<b>OTHER REQUIRED COURSES</b> FINE ARTS or Approved PRACTICAL ARTS (1 credit) PHYSICAL EDUCATION (1 credit)	<b>CAREER AND TECHNICAL EDUCATION COURSES</b>	<b>RECOMMENDED ELECTIVES</b> (Aligned with State University System Admissions)	
<b>HIGH SCHOOL</b>	Career Cluster of interest identified by students enrolled in required middle school career education course that includes interest assessment and career exploration through CHOICES and ePersonal Education Planner through FACTS.org.							
	9	English I or H	Algebra 1 or H, or Geometry or H	Physical Science or Biology	Geography (elective)	Practical Arts or Fine Arts course (1 credit)	Health Science 1	Foreign Language for SUS admission or other elective appropriate for student's career and education plan.
	10	English 2 or H	Geometry or H, or Algebra 2 or H	Chemistry or Physics	World History or H	HOPE (1 credit)	Health Science 2	Foreign Language for SUS admission or other elective appropriate for student's career and education plan.
	11	English 3 or H	Liberal Arts or Algebra 2 or H	1 "equally rigorous" science	US History or H		Allied Health Assisting	Other elective course appropriate for student's career and education plan.
	12	English 4 or H	Algebra 2, Pre Calculus, Math for College Readiness or higher		Economics (.5) American Government (.5)		Health Science Directed Study	Other elective course appropriate for student's career and education plan.
Dual enrollment courses may be used to satisfy high school graduation or Bright Futures Gold Seal Vocational Scholars course requirements - see the Articulation Coordinating Committee's Dual Enrollment Equivalency List and the Bright Futures Comprehensive Course Table.								
<b>POSTSECONDARY</b>	Secondary career and technical education programs may lead to industry recognized certificates, occupational opportunities or postsecondary education options. Based on the Career Cluster of interest and identified career and technical education program, the following postsecondary options are available.							
	<b>TECHNICAL CENTER PROGRAM(S)</b> Massage Therapy Assisting Nursing			<b>STATE COLLEGE PROGRAM(S)</b> Medical Practical Radiological Technology Health Services Administration Massage Therapy		<b>UNIVERSITY PROGRAM(S)</b> Health Services Administration		
<b>CAREER</b>	<b>SAMPLE CAREER SPECIALTIES</b> (The Targeted Occupations List may be used to identify appropriate careers.)							
	Licensed Practical Nurse Medical Assistant			Pharmacy Technician Therapy Assistant		Physical	Physician Assistant Physician	
<b>CREDIT</b>	<b>ARTICULATION AND CTE DUAL ENROLLMENT OPPORTUNITIES</b>							
	<b>Secondary to Technical Center (PSAV)</b> (minimum # of clock hours awarded)			<b>Secondary to College Credit Certificate or Degree</b> (minimum # of clock or credit hours awarded)			<b>PSAV/PSV to AAS or AS to BS or BAS</b> (statewide and other local agreements may be included here)	
<b>Career and Technical Student Organization</b>								
<b>HOSA</b>								
<b>Internship/Work Experience Recommendations</b>								

Career Cluster: Engineering & Technology Education					CTE Program: Applied Robotics (94010100)			
Career Cluster Pathway: Engineering & Technology					Industry Certification: RECF Pre-Engineering Certification			
	<b>16 CORE CURRICULUM CREDITS</b>					<b>8 ADDITIONAL CREDITS</b>		
	<b>ENGLISH</b> 4 credits	<b>MATH</b> 4 credits	<b>SCIENCE</b> 3 credits, 2 with lab	<b>SOCIAL STUDIES</b> 3 credits	<b>OTHER REQUIRED COURSES</b> FINE ARTS or Approved PRACTICAL ARTS (1 credit) PHYSICAL EDUCATION (1 credit)	<b>CAREER AND TECHNICAL EDUCATION COURSES</b>	<b>RECOMMENDED ELECTIVES</b> (Aligned with State University System Admissions)	
<b>HIGH SCHOOL</b>	Career Cluster of interest identified by students enrolled in required middle school career education course that includes interest assessment and career exploration through CHOICES and ePersonal Education Planner through FACTS.org.							
	9	English I or H	Algebra 1 or H, or Geometry or H	Physical Science or Biology	Geography (elective)	Practical Arts or Fine Arts course (1 credit)	Foundation of Robotics	Foreign Language for SUS admission or other elective appropriate for student's career and education plan.
	10	English 2 or H	Geometry or H, or Algebra 2 or H	Chemistry or Physics	World History or H	HOPE (1 credit)	Robotic Design Essentials	Foreign Language for SUS admission or other elective appropriate for student's career and education plan.
	11	English 3 or H	Liberal Arts or Algebra 2 or H	1 "equally rigorous" science	US History or H		Robotic Systems	Other elective course appropriate for student's career and education plan.
	12	English 4 or H	Algebra 2, Pre Calculus, Math for College Readiness or higher		Economics (.5) American Government (.5)	Work Experience	Robotic Applications Capstone	Other elective course appropriate for student's career and education plan.
Dual enrollment courses may be used to satisfy high school graduation or Bright Futures Gold Seal Vocational Scholars course requirements - see the Articulation Coordinating Committee's Dual Enrollment Equivalency List and the Bright Futures Comprehensive Course Table.								
<b>POSTSECONDARY</b>	Secondary career and technical education programs may lead to industry recognized certificates, occupational opportunities or postsecondary education options. Based on the Career Cluster of interest and identified career and technical education program, the following postsecondary options are available.							
	<b>TECHNICAL CENTER PROGRAM(S)</b>		<b>COMMUNITY COLLEGE PROGRAM(S)</b>			<b>UNIVERSITY PROGRAM(S)</b>		
	Automation & Production Technology		Engineering Technology			Mechanical Engineering Electrical Engineering Robotic Engineering		
<b>CAREER</b>	<b>SAMPLE CAREER SPECIALTIES</b> (The Targeted Occupations List may be used to identify appropriate careers.)							
				Mechanical Engineering Technician Robotics Technicians		Mechanical Engineering Electrical Engineering Robotic Engineering		
<b>CREDIT</b>	<b>ARTICULATION AND CTE DUAL ENROLLMENT OPPORTUNITIES</b>							
	<b>Secondary to Technical Center (PSAV)</b> (minimum # of clock hours awarded)		<b>Secondary to College Credit Certificate or Degree</b> (minimum # of clock or credit hours awarded)			<b>PSAV/PSV to AAS or AS to BS or BAS</b> (statewide and other local agreements may be included here)		
		Students earning the MSSCN001 are guaranteed 15 credits in the Engineering Technology AS/AAS						
<b>Career and Technical Student Organization</b>								
Florida Technical Student Association								
Internship/Work Experience Recommendations								

Career Cluster: Information Technology					CTE Program: Applied Cybersecurity - Y100300			
Career Cluster Pathway: Information Support & Services					Industry Certification: Comptia Network+ and Security +			
	<b>16 CORE CURRICULUM CREDITS</b>					<b>8 ADDITIONAL CREDITS</b>		
	<b>ENGLISH</b> 4 credits	<b>MATH</b> 4 credits	<b>SCIENCE</b> 3 credits, 2 with lab	<b>SOCIAL STUDIES</b> 3 credits	<b>OTHER REQUIRED COURSES</b> FINE ARTS or Approved PRACTICAL ARTS (1 credit) PHYSICAL EDUCATION (1 credit)	<b>CAREER AND TECHNICAL EDUCATION COURSES</b>	<b>RECOMMENDED ELECTIVES</b> (Aligned with State University System Admissions)	
<b>HIGH SCHOOL</b>	Career Cluster of interest identified by students enrolled in required middle school career education course that includes interest assessment and career exploration through CHOICES and ePersonal Education Planner through FACTS.org.							
	9	English I or H	Algebra 1 or H, or Geometry or H	Physical Science or Biology	Geography (elective)	Practical Arts or Fine Arts course (1 credit)	Foreign Language for SUS admission or other elective appropriate for student's career and education plan.	
	10	English 2 or H	Geometry or H, or Algebra 2 or H	Chemistry or Physics	World History or H	HOPE (1 credit)	Foreign Language for SUS admission or other elective appropriate for student's career and education plan.	
	11	English 3 or H	Liberal Arts or Algebra 2 or H	1 "equally rigorous" science	US History or H	Introduction to IT IT Fundamentals	Computer & Network Security Fundamentals - Cybersecurity Essentials	Other elective course appropriate for student's career and education plan.
	12	English 4 or H	Algebra 2, Pre Calculus, Math for College Readiness or higher		Economics (.5) American Government (.5)	Operational Cybersecurity Cybersecurity Planning & Analysis	Database Security Software & Application Security	Other elective course appropriate for student's career and education plan.
Dual enrollment courses may be used to satisfy high school graduation or Bright Futures Gold Seal Vocational Scholars course requirements - see the Articulation Coordinating Committee's Dual Enrollment Equivalency List and the Bright Futures Comprehensive Course Table.								
<b>POSTSECONDARY</b>	Secondary career and technical education programs may lead to industry recognized certificates, occupational opportunities or postsecondary education options. Based on the Career Cluster of interest and identified career and technical education program, the following postsecondary options are available.							
	<b>TECHNICAL CENTER PROGRAM(S)</b>		<b>COMMUNITY COLLEGE PROGRAM(S)</b>			<b>UNIVERSITY PROGRAM(S)</b>		
	Applied Cybersecurity Y100300		Computer Information Technology, Networking Services Technology			Computer Science, Computer Engineering		
<b>CAREER</b>	<b>SAMPLE CAREER SPECIALTIES</b> (The Targeted Occupations List may be used to identify appropriate careers.)							
	Systems Assistant, Cybersecurity Assistant, Help Desk Assistant		Computer Support Specialist, Computer Systems Analyst			Computer Support Specialist, Computer Systems Analyst		
<b>CREDIT</b>	<b>ARTICULATION AND CTE DUAL ENROLLMENT OPPORTUNITIES</b>							
	<b>Secondary to Technical Center (PSAV)</b> (minimum # of clock hours awarded)		<b>Secondary to College Credit Certificate or Degree</b> (minimum # of clock or credit hours awarded)			<b>PSAV/PSV to AAS or AS to BS or BAS</b> (statewide and other local agreements may be included here)		
	750 clock hours		N/A			N/A		
<b>Career and Technical Student Organization</b>								
Future Business Leaders of America and/or Skills USA								
<b>Internship/Work Experience Recommendations</b>								
Work, intern, volunteer or shadow industry practitioners								


Career Cluster: Engineering & Technology Education				CTE Program: Applied Engineering Technology (8401100)			
Career Cluster Pathway: Engineering & Technology				Industry Certification: Autodesk AutoCAD, Inventor, Revit, MSSC Certified Production Assistant, CSWA Solidworks			
	<b>ENGLISH</b> 4 credits		<b>MATH</b> 4 credits	<b>SCIENCE</b> 3 credits, 2 with lab	<b>SOCIAL STUDIES</b> 3 credits	<b>OTHER REQUIRED COURSES</b> FINE ARTS or Approved PRACTICAL ARTS (1 credit) PHYSICAL EDUCATION (1 credit)	<b>8 ADDITIONAL CREDITS</b>
	<b>CAREER AND TECHNICAL EDUCATION COURSES</b>		<b>RECOMMENDED ELECTIVES</b> (Aligned with State University System Admissions)				
<b>HIGH SCHOOL</b>	Students are encouraged to begin planning for careers and postsecondary options by exploring resources at <a href="https://www.floridashines.org/find-a-career/plan-your-future-mycareershines/">https://www.floridashines.org/find-a-career/plan-your-future-mycareershines/</a>						
	9	English I or H	Algebra 1 or H, or Geometry or H	Physical Science or Biology	Geography (elective)	Practical Arts or Fine Arts course (1 credit)	Applied Engineering Technology 1 Foreign Language for SUS admission or other elective appropriate for student's career and education plan.
	10	English 2 or H	Geometry or H, or Algebra 2 or H	Chemistry or Physics	World History or H	HOPE (1 credit)	Applied Engineering Technology 2 Foreign Language for SUS admission or other elective appropriate for student's career and education plan.
	11	English 3 or H	Liberal Arts or Algebra 2 or H	1 "equally rigorous" science	US History or H		Applied Engineering Technology 3 Other elective course appropriate for student's career and education plan.
	12	English 4 or H	Algebra 2, Pre Calculus, Math for College Readiness or higher		Economics (.5) American Government (.5)	Work-Based Experience	Advanced Technology Applications Other elective course appropriate for student's career and education plan.
Dual enrollment courses may be used to satisfy high school graduation or Bright Futures Gold Seal Vocational Scholars course requirements - see the Articulation Coordinating Committee's Dual Enrollment Equivalency List and the Bright Futures Comprehensive Course Table.							
<b>POSTSECONDARY</b>	Secondary career and technical education programs may lead to industry recognized certificates, occupational opportunities or postsecondary education options. Based on the Career Cluster of interest and identified career and technical education program, the following postsecondary options are available.						
	<b>TECHNICAL CENTER PROGRAM(S)</b>		<b>COMMUNITY COLLEGE PROGRAM(S)</b>		<b>UNIVERSITY PROGRAM(S)</b>		
	Drafting C100200 PSAV Precision Machining/CNC Automation I480503 PSAV <u><a href="#">Suncoast Technical College</a></u>		Engineering Technology AS <u><a href="#">State College of Florida</a></u>		Mechanical Engineering (BS) Electrical Engineering (BS) Environmental Engineering (BS) Civil Engineering (BS) <u><a href="#">FGCU and USF</a></u>		
<b>CAREER</b>	<b>SAMPLE CAREER SPECIALTIES</b> (The Targeted Occupations List may be used to identify appropriate careers.)						
	Architectural & Civil Drafter Mechanical Drafter		Mechanical Engineering Technicians Robotics Technicians		Mechanical Engineer Electrical Engineer Robotics Engineer		
	<b>ARTICULATION AND CTE DUAL ENROLLMENT OPPORTUNITIES</b>						
<b>CREDIT</b>	<b>Secondary to Technical Center (PSAV)</b> (minimum # of clock hours awarded)		<b>Secondary to College Credit Certificate or Degree</b> (minimum # of clock or credit hours awarded)			PSAV/PSV to AAS or AS to BS or BAS (statewide and other local agreements may be included here)	
	None available at this time		<b>Gold Standard Statewide Articulation</b>			None available at this time	
			MSSCN001 Industry Certification = 15 credits toward Engineering Technology AS/AAS				
			<b>State College of Florida Articulation</b>				
			<b>3-24 credits to Engineering Technology AS degree</b>				
			<i>Applied Engineering Technology 1 leads to credit in Industrial Safety ETI 1701 3 credits</i>				
<i>Applied Engineering Technology 2 leads to credit in Introduction to AutoCAD ETD 1320C 3 credits Engineering Drawing EGN 111C - 3 credits</i>							
<i>Applied Engineering Technology 3 with Industry Certifications leads to credit in: ETM 1010C Instrumentation—3 credits ETI 1110 Quality—3 credits ETI 1701 Industrial Safety—3 credits EET 1084 Introduction to Electronics—3 credits ETI 1420C Manufacturing Processes—3 credits</i>							
<i>Advanced Applications in Technology leads to credit in ETD 2368C Advanced Solidworks - 3 credits</i>							
<b>Career and Technical Student Organization</b>							
<b>Florida Technology Students Association</b>							
<b>Internship/Work Experience Recommendations</b>							
Work, intern, volunteer or shadow for local engineering firms or participate in school-based enterprises.							



Career Cluster: Engineering & Technology Education				CTE Program: Applied Engineering Technology (8401100)				
Career Cluster Pathway: Engineering & Technology				Industry Certification: Autodesk AutoCAD, MSSC Certified Production Assistant, CSWA Solidworks				
	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 or Approved PRACTICAL ARTS (1 credit) PHYSICAL EDUCATION (1 credit)	CAREER AND TECHNICAL EDUCATION COURSES	RECOMMENDED ELECTIVES (Aligned with State University System Admissions)	
HIGH SCHOOL	Career Cluster of interest identified by students enrolled in required middle school career education course that includes interest assessment and career exploration through CHOICES and ePersonal Education Planner through FACTS.org.							
	9	English I or H	Algebra 1 or H, or Geometry or H	Physical Science or Biology	Geography (elective)	Practical Arts or Fine Arts course (1 credit)	Applied Engineering Technology 1 Foreign Language for SUS admission or other elective appropriate for student's career and education plan.	
	10	English 2 or H	Geometry or H, or Algebra 2 or H	Chemistry or Physics	World History or H	HOPE (1 credit)	Applied Engineering Technology 2 Foreign Language for SUS admission or other elective appropriate for student's career and education plan.	
	11	English 3 or H	Liberal Arts or Algebra 2 or H	1 "equally rigorous" science	US History or H		Applied Engineering Technology 3 Other elective course appropriate for student's career and education plan.	
	12	English 4 or H	Algebra 2, Pre Calculus, Math for College Readiness or higher		Economics (.5) American Government (.5)	Work-Based Experience	Advanced Technology Applications Other elective course appropriate for student's career and education plan.	
Dual enrollment courses may be used to satisfy high school graduation or Bright Futures Gold Seal Vocational Scholars course requirements - see the Articulation 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 options. 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)		
	None at this time		Engineering Technology			Mechanical Engineering Electrical Engineering Environmental Engineering Civil Engineering		
CAREER	SAMPLE CAREER SPECIALTIES (The Targeted Occupations List may be used to identify appropriate careers.)							
				Mechanical Engineering Technicians Robotics Technicians		Mechanical Engineer Electrical Engineer Robotics Engineer		
CREDIT	ARTICULATION AND CTE DUAL ENROLLMENT OPPORTUNITIES							
	Secondary to Technical Center (PSAV) (minimum # of clock hours awarded)		Secondary to College Credit Certificate or Degree (minimum # of clock or credit hours awarded)			PSAV/PSV to AAS or AS to BS or BAS (statewide and other local agreements may be included here)		
			Students earning the MSSCN001 Industry Certification are guaranteed 15 credits in the Engineering Technology As/AAS					
Career and Technical Student Organization								
Florida Technology Students Association								
Internship/Work Experience Recommendations								
Work, intern, volunteer or shadow for local engineering firms or participate in school-based enterprises.								

Career Cluster: Agriculture, Food & Natural Resources CTE Program: Aquatechnology (8112000)

Career Cluster Pathway: Animal Science Industry Certification: N/A

	16 CORE CURRICULUM CREDITS					8 ADDITIONAL CREDITS	
	<b>ENGLISH</b> 4 credits	<b>MATH</b> 4 credits	<b>SCIENCE</b> 3 credits, 2 with lab	<b>SOCIAL STUDIES</b> 3 credits	<b>OTHER REQUIRED COURSES</b> FINE ARTS or Approved PRACTICAL ARTS (1 credit) PHYSICAL EDUCATION (1 credit)	<b>CAREER AND TECHNICAL EDUCATION COURSES</b>	<b>RECOMMENDED ELECTIVES</b> (Aligned with State University System Admissions)

Career Cluster of interest identified by students enrolled in required middle school career education course that includes interest assessment and career exploration through CHOICES and ePersonal Education Planner through FACTS.org.

<b>HIGH SCHOOL</b>	<b>9</b>	English I or H	Algebra 1 or H, or Geometry or H	Physical Science or Biology	Geography (elective)	Practical Arts or Fine Arts course (1 credit)	*Agriscience Foundations	Foreign Language for SUS admission or other elective appropriate for student's career and education plan.
	<b>10</b>	English 2 or H	Geometry or H, or Algebra 2 or H	Chemistry or Physics	World History or H	HOPE (1 credit)	*Aquaculture 2	Foreign Language for SUS admission or other elective appropriate for student's career and education plan.
	<b>11</b>	English 3 or H	Liberal Arts or Algebra 2 or H	1 "equally rigorous" science	US History or H		*Aquaculture 3	Other elective course appropriate for student's career and education plan.
	<b>12</b>	English 4 or H	Algebra 2, Pre Calculus, Math for College Readiness or higher		Economics (.5) American Government (.5)		Agriculture Food & Natural Resources Education Directed Study	Other elective course appropriate for student's career and education plan.

\*Courses in this program satisfying equally rigorous science content\* Dual enrollment courses may be used to satisfy high school graduation or Bright Futures Gold Seal Vocational Scholars course requirements - see the Articulation Coordinating Committee's Dual Enrollment Equivalency List and the Bright Futures Comprehensive Course Table.

<b>POSTSECONDARY</b>	Secondary career and technical education programs may lead to industry recognized certificates, occupational opportunities or postsecondary education options. Based on the Career Cluster of interest and identified career and technical education program, the following postsecondary options are available.		
	<b>TECHNICAL CENTER PROGRAM(S)</b>	<b>COMMUNITY COLLEGE PROGRAM(S)</b>	<b>UNIVERSITY PROGRAM(S)</b>
	None available at this time	None available at this time	None available at this time

<b>CAREER</b>	SAMPLE CAREER SPECIALTIES (The Targeted Occupations List may be used to identify appropriate careers.)		
	<b>Career Options (Technical Center Certificate level)</b> Fish Hatchery Worker, Fishing Vessel Operator, Feed/Supply Store Clerk	<b>Career Options (Community College certificate/degree level)</b> Fisheries Technician, Fish Hatchery Manager, Animal Health Products Distributor, Feed/Supply Store Manager, Field Service Representative, Water Quality Technician	<b>Career Options (University degree level)</b> Fisheries Technician, Fish Hatchery Manager, Fish & Game Officer, Microbiologist, Biologist, Fisheries Research Manager, Water Quality Specialist, Fish Breeder/Geneticists

<b>CREDIT</b>	ARTICULATION AND CTE DUAL ENROLLMENT OPPORTUNITIES		
	<b>Secondary to Technical Center (PSAV)</b> None available at this time	<b>Secondary to College Credit Certificate or Degree</b> None available at this time	<b>PSAV/PSV to AAS or AS to BS or BAS</b> None available at this time

Career and Technical Student Organization


Future Farmers of America (FFA)

Internship/Work Experience Recommendations

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Career Cluster: Transportation, Distribution & Logistics CTE Program: Automotive Collision Repair & Refinishing - 8709

Career Cluster Pathway: Facility & Mobile Equipment Maintenance Industry Certification: Various NIASE

	16 CORE CURRICULUM CREDITS					8 ADDITIONAL CREDITS	
	<b>ENGLISH</b> 4 credits	<b>MATH</b> 4 credits	<b>SCIENCE</b> 3 credits, 2 with lab	<b>SOCIAL STUDIES</b> 3 credits	<b>OTHER REQUIRED COURSES</b> FINE ARTS or Approved PRACTICAL ARTS (1 credit) PHYSICAL EDUCATION (1 credit)	<b>CAREER AND TECHNICAL EDUCATION COURSES</b>	<b>RECOMMENDED ELECTIVES</b> (Aligned with State University System Admissions)

Career Cluster of interest identified by students enrolled in required middle school career education course that includes interest assessment and career exploration through CHOICES and ePersonal Education Planner through FACTS.org.

<b>HIGH SCHOOL</b>	<b>9</b>	English I or H	Algebra 1 or H, or Geometry or H	Physical Science or Biology	Geography (elective)	Practical Arts or Fine Arts course (1 credit)		Foreign Language for SUS admission or other elective appropriate for student's career and education plan.
	<b>10</b>	English 2 or H	Geometry or H, or Algebra 2 or H	Chemistry or Physics	World History or H	HOPE (1 credit)		Foreign Language for SUS admission or other elective appropriate for student's career and education plan.
	<b>11</b>	English 3 or H	Liberal Arts or Algebra 2 or H	1 "equally rigorous" science	US History or H	Automotive Collision Repair & Refinishing 1 and 2	Automotive Collision Repair & Refinishing 3 and 4	Other elective course appropriate for student's career and education plan.
	<b>12</b>	English 4 or H	Algebra 2, Pre Calculus, Math for College Readiness or higher		Economics (.5) American Government (.5)	Automotive Collision Repair & Refinishing 5 and 6	Automotive Collision Repair & Refinishing 7 and 8	Other elective course appropriate for student's career and education plan.

Dual enrollment courses may be used to satisfy high school graduation or Bright Futures Gold Seal Vocational Scholars course requirements - see the Articulation Coordinating Committee's Dual Enrollment Equivalency List and the Bright Futures Comprehensive Course Table.

<b>POSTSECONDARY</b>	Secondary career and technical education programs may lead to industry recognized certificates, occupational opportunities or postsecondary education options. Based on the Career Cluster of interest and identified career and technical education program, the following postsecondary options are available.		
	<b>TECHNICAL CENTER PROGRAM(S)</b>	<b>COMMUNITY COLLEGE PROGRAM(S)</b>	<b>UNIVERSITY PROGRAM(S)</b>
	Automotive Collision Repair & Refinishing 1 (T400100), Automotive Collision Repair & Refinishing (T100200)	N/A	N/A

<b>CAREER</b>	<b>SAMPLE CAREER SPECIALTIES</b> (The Targeted Occupations List may be used to identify appropriate careers.)		
	paint and auto body technicians, team leaders, estimators, shop managers, owners, insurance appraisers, and restoration.	N/A	N/A

<b>CREDIT</b>	<b>ARTICULATION AND CTE DUAL ENROLLMENT OPPORTUNITIES</b>		
	<b>Secondary to Technical Center (PSAV)</b> (minimum # of clock hours awarded)	<b>Secondary to College Credit Certificate or Degree</b> (minimum # of clock or credit hours awarded)	<b>PSAV/PSV to AAS or AS to BS or BAS</b> (statewide and other local agreements may be included here)
	<b>1200 clock hours</b>	<b>N/A</b>	<b>N/A</b>

Career and Technical Student Organization


SkillsUSA

Internship/Work Experience Recommendations

Work, intern, volunteer or shadow industry practitioners

Career Cluster: Transportation, Distribution & Logistics CTE Program: Automotive Service Technology - 8709400

Career Cluster Pathway: Facility & Mobile Equipment Maintenance Industry Certification: Various NIASE

	16 CORE CURRICULUM CREDITS					8 ADDITIONAL CREDITS	
	<b>ENGLISH</b> 4 credits	<b>MATH</b> 4 credits	<b>SCIENCE</b> 3 credits, 2 with lab	<b>SOCIAL STUDIES</b> 3 credits	<b>OTHER REQUIRED COURSES</b> FINE ARTS or Approved PRACTICAL ARTS (1 credit) PHYSICAL EDUCATION (1 credit)	<b>CAREER AND TECHNICAL EDUCATION COURSES</b>	<b>RECOMMENDED ELECTIVES</b> (Aligned with State University System Admissions)

Career Cluster of interest identified by students enrolled in required middle school career education course that includes interest assessment and career exploration through CHOICES and ePersonal Education Planner through FACTS.org.

<b>HIGH SCHOOL</b>	9	English I or H	Algebra 1 or H, or Geometry or H	Physical Science or Biology	Geography (elective)	Practical Arts or Fine Arts course (1 credit)		Foreign Language for SUS admission or other elective appropriate for student's career and education plan.
	10	English 2 or H	Geometry or H, or Algebra 2 or H	Chemistry or Physics	World History or H	HOPE (1 credit)		Foreign Language for SUS admission or other elective appropriate for student's career and education plan.
	11	English 3 or H	Liberal Arts or Algebra 2 or H	1 "equally rigorous" science	US History or H	Automotive Service Technology 1 and 2	Automotive Service Technology 3 and 4	Other elective course appropriate for student's career and education plan.
	12	English 4 or H	Algebra 2, Pre Calculus, Math for College Readiness or higher		Economics (.5) American Government (.5)	Automotive Service Technology 5 and 6	Automotive Service Technology 7 and 8	Other elective course appropriate for student's career and education plan.

Dual enrollment courses may be used to satisfy high school graduation or Bright Futures Gold Seal Vocational Scholars course requirements - see the Articulation Coordinating Committee's Dual Enrollment Equivalency List and the Bright Futures Comprehensive Course Table.

Secondary career and technical education programs may lead to industry recognized certificates, occupational opportunities or postsecondary education options. Based on the Career Cluster of interest and identified career and technical education program, the following postsecondary options are available.

<b>POSTSECONDARY</b>	TECHNICAL CENTER PROGRAM(S)	COMMUNITY COLLEGE PROGRAM(S)	UNIVERSITY PROGRAM(S)
	Automotive Service Technology 1 (T400700), Automotive Service Technology 2 (T400800)	N/A	N/A

**SAMPLE CAREER SPECIALTIES**  
(The Targeted Occupations List may be used to identify appropriate careers.)

<b>CAREER</b>	Automotive Service Mechanic, Technician,	N/A	N/A
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**ARTICULATION AND CTE DUAL ENROLLMENT OPPORTUNITIES**


<b>CREDIT</b>	Secondary to Technical Center (PSAV) (minimum # of clock hours awarded)	Secondary to College Credit Certificate or Degree (minimum # of clock or credit hours awarded)	PSAV/PSV to AAS or AS to BS or BAS (statewide and other local agreements may be included here)
	1200 clock hours	N/A	N/A


Career and Technical Student Organization

SkillsUSA

Internship/Work Experience Recommendations


Work, intern, volunteer or shadow industry practitioners

Career Cluster: Health Science					CTE Program: Biomedical Sciences - PLTW			
Career Cluster Pathway: Therapeutic Services					Industry Certification: None at this time			
	<b>16 CORE CURRICULUM CREDITS</b>					<b>8 ADDITIONAL CREDITS</b>		
	<b>ENGLISH</b> 4 credits	<b>MATH</b> 4 credits	<b>SCIENCE</b> 3 credits, 2 with lab	<b>SOCIAL STUDIES</b> 3 credits	<b>OTHER REQUIRED COURSES</b> FINE ARTS or Approved PRACTICAL ARTS (1 credit) PHYSICAL EDUCATION (1 credit)	<b>CAREER AND TECHNICAL EDUCATION COURSES</b>	<b>RECOMMENDED ELECTIVES</b> (Aligned with State University System Admissions)	
<b>Career Cluster of interest identified by students enrolled in required middle school career education course that includes interest assessment and career exploration through CHOICES and ePersonal Education Planner through FACTS.org.</b>								
<b>HIGH SCHOOL</b>	9	English I or H	Algebra 1 or H, or Geometry or H	Physical Science or Biology	Geography (elective)	Practical Arts or Fine Arts course (1 credit)	Principles of Biomedical Sciences	Foreign Language for SUS admission or other elective appropriate for student's career and education plan.
	10	English 2 or H	Geometry or H, or Algebra 2 or H	Chemistry or Physics	World History or H	HOPE (1 credit)	Human Body Systems	Foreign Language for SUS admission or other elective appropriate for student's career and education plan.
	11	English 3 or H	Liberal Arts or Algebra 2 or H	1 "equally rigorous" science	US History or H		Medical Interventions	Other elective course appropriate for student's career and education plan.
	12	English 4 or H	Algebra 2, Pre Calculus, Math for College Readiness or higher		Economics (.5) American Government (.5)		Biomedical Innovation	Other elective course appropriate for student's career and education plan.
<b>Dual enrollment courses may be used to satisfy high school graduation or Bright Futures Gold Seal Vocational Scholars course requirements - see the Articulation Coordinating Committee's Dual Enrollment Equivalency List and the Bright Futures Comprehensive Course Table.</b>								
<b>POSTSECONDARY</b>	<b>Secondary career and technical education programs may lead to industry recognized certificates, occupational opportunities or postsecondary education options. Based on the Career Cluster of interest and identified career and technical education program, the following postsecondary options are available.</b>							
	<b>TECHNICAL CENTER PROGRAM(S)</b>			<b>STATE COLLEGE PROGRAM(S)</b>			<b>UNIVERSITY PROGRAM(S)</b>	
<b>CAREER</b>	<b>SAMPLE CAREER SPECIALTIES</b> <b>(The Targeted Occupations List may be used to identify appropriate careers.)</b>							
<b>CREDIT</b>	<b>ARTICULATION AND CTE DUAL ENROLLMENT OPPORTUNITIES</b>							
	<b>Secondary to Technical Center (PSAV)</b> (minimum # of clock hours awarded)			<b>Secondary to College Credit Certificate or Degree</b> (minimum # of clock or credit hours awarded)			<b>PSAV/PSV to AAS or AS to BS or BAS</b> (statewide and other local agreements may be included here)	
<b>Career and Technical Student Organization</b>								
<b>Internship/Work Experience Recommendations</b>								

Career Cluster: Architecture & Construction					CTE Program: Building Trades & Construction Design Technology (8722000)			
Career Cluster Pathway: Construction					Industry Certification: NCCER Construction Technology			
	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 or Approved PRACTICAL ARTS (1 credit) PHYSICAL EDUCATION (1 credit)	CAREER AND TECHNICAL EDUCATION COURSES	RECOMMENDED ELECTIVES (Aligned with State University System Admissions)	
Career Cluster of interest identified by students enrolled in required middle school career education course that includes interest assessment and career exploration through CHOICES and ePersonal Education Planner through FACTS.org.								
HIGH SCHOOL	9	English I or H	Algebra 1 or H, or Geometry or H	Physical Science or Biology	Geography (elective)	Practical Arts or Fine Arts course (1 credit)	Building Trades & Constructin Design Technology 1	Foreign Language for SUS admission or other elective appropriate for student's career and education plan.
	10	English 2 or H	Geometry or H, or Algebra 2 or H	Chemistry or Physics	World History or H	HOPE (1 credit)	Building Trades & Construction Design Technology 2	Foreign Language for SUS admission or other elective appropriate for student's career and education plan.
	11	English 3 or H	Liberal Arts or Algebra 2 or H	1 "equally rigorous" science	US History or H		Building Trades & Construction Design Technology 3	Other elective course appropriate for student's career and education plan.
	12	English 4 or H	Algebra 2, Pre Calculus, Math for College Readiness or higher		Economics (.5) American Government (.5)	Architecture & Construction Directed Study	Building Trades & Construction Design Technology 4	Other elective course appropriate for student's career and education plan.
Dual enrollment courses may be used to satisfy high school graduation or Bright Futures Gold Seal Vocational Scholars course requirements - see the Articulation 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 options. Based on the Career Cluster of interest and identified career and technical education program, the following postsecondary options are available.							
	TECHNICAL CENTER PROGRAM(S) Construction, Electricity, Plumbing, Air Conditioning, Drafting, Manufacturing			COMMUNITY COLLEGE PROGRAM(S) Architecture, Engineering Technology, Construction Technology			UNIVERSITY PROGRAM(S) Engineering, Architecture, Construction Management	
CAREER	SAMPLE CAREER SPECIALTIES (The Targeted Occupations List may be used to identify appropriate careers.)							
	Carpenter, Carpet Installer, Concrete Finisher, Drywall Installer, Electrician, Glazier, Heating-Ventilation-Air-Condition & Refrigeration Mechanic, Insulation Worker, Painter, Pipe Fitter, Plasterer/Drywall, Plumber, Roofer, Security & Fire Alarm System Installer, Sheel metal Worker, Tile & Marble Setter			Electrician, Facilities Technician, Manufacturing Technician, Materials Lab & Supply Technician, Quality Technician, Survey Technician, Technical Sales Manager, Technical Writer			Architect, Construction Manager, Drafter, Electrical Engineer, Mechanical Engineer, Civil Engineer, Quality Engineer	
CREDIT	ARTICULATION AND CTE DUAL ENROLLMENT OPPORTUNITIES							
	Secondary to Technical Center (PSAV) (minimum # of clock hours awarded) Sarasota County Technical Institue: Various Apprenticeships related to construction			Secondary to College Credit Certificate or Degree (minimum # of clock or credit hours awarded) State College of Florida: Construction Management Technology: contact college advisement for number of credits			PSAV/PSV to AAS or AS to BS or BAS (statewide and other local agreements may be included here) Statewide Articulation Agreement - Building Construction Technology	
Career and Technical Student Organization								
Technical Student Association								
Internship/Work Experience Recommendations								

Career Cluster: Business, Management & Administration CTE Program: Business Management & Analysis (8301100)

Career Cluster Pathway: Management Industry Certification: MICRO069

	16 CORE CURRICULUM CREDITS					8 ADDITIONAL CREDITS	
	<b>ENGLISH</b> 4 credits	<b>MATH</b> 4 credits	<b>SCIENCE</b> 3 credits, 2 with lab	<b>SOCIAL STUDIES</b> 3 credits	<b>OTHER REQUIRED COURSES</b> FINE ARTS or Approved PRACTICAL ARTS (1 credit) PHYSICAL EDUCATION (1 credit)	<b>CAREER AND TECHNICAL EDUCATION COURSES</b>	<b>RECOMMENDED ELECTIVES</b> (Aligned with State University System Admissions)

Career Cluster of interest identified by students enrolled in required middle school career education course that includes interest assessment and career exploration through CHOICES and ePersonal Education Planner through FACTS.org.

<b>HIGH SCHOOL</b>	<b>9</b>	English I or H	Algebra 1 or H, or Geometry or H	Physical Science or Biology	Geography (elective)	Practical Arts or Fine Arts course (1 credit)	Introduction to Information Technology	Foreign Language for SUS admission or other elective appropriate for student's career and education plan.
	<b>10</b>	English 2 or H	Geometry or H, or Algebra 2 or H	Chemistry or Physics	World History or H	HOPE (1 credit)	Business Supervision & Management	Foreign Language for SUS admission or other elective appropriate for student's career and education plan.
	<b>11</b>	English 3 or H	Liberal Arts or Algebra 2 or H	1 "equally rigorous" science	US History or H		Legal Aspects of Business	Other elective course appropriate for student's career and education plan.
	<b>12</b>	English 4 or H	Algebra 2, Pre Calculus, Math for College Readiness or higher		Economics (.5) American Government (.5)	Business Education Directed Study	Accounting Applications 1	Other elective course appropriate for student's career and education plan.

Dual enrollment courses may be used to satisfy high school graduation or Bright Futures Gold Seal Vocational Scholars course requirements - see the Articulation Coordinating Committee's Dual Enrollment Equivalency List and the Bright Futures Comprehensive Course Table.

Secondary career and technical education programs may lead to industry recognized certificates, occupational opportunities or postsecondary education options. Based on the Career Cluster of interest and identified career and technical education program, the following postsecondary options are available.

<b>POSTSECONDARY</b>	TECHNICAL CENTER PROGRAM(S)	COMMUNITY COLLEGE PROGRAM(S)	UNIVERSITY PROGRAM(S)
	Accounting Operations Management & Analysis - B060200 (900 hours)	Business Administration Technology	Accounting

**SAMPLE CAREER SPECIALTIES**  
(The Targeted Occupations List may be used to identify appropriate careers.)

<b>CAREER</b>	Information Technology Assistant Support Specialist	Computer	Executive Secretary - Administrative Assistant First Line Supervisor of Office & Administrative Support Workers	General Operations Manager
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**ARTICULATION AND CTE DUAL ENROLLMENT OPPORTUNITIES**

<b>CREDIT</b>	<b>Secondary to Technical Center (PSAV)</b> (minimum # of clock hours awarded)	<b>Secondary to College Credit Certificate or Degree</b> (minimum # of clock or credit hours awarded)	<b>PSAV/PSV to AAS or AS to BS or BAS</b> (statewide and other local agreements may be included here)
	None available at this time.	<i>State College of Florida Articulated Credit</i> CGS 1000 Computer Information Systems - 3 credits CGS 1570 Integrated Business Applications - 3 credits <i>Industry Certification to AAS/AS Degree</i> Florida Department of Education Articulation Agreement Microsoft Office Specialist Bundle shall articulate three (3) college credit hours to the AAS/AS Degree in Office Administration	Statewide Agreement AS to Bachelors Business Management (132 hours)

**Career and Technical Student Organization**


Future Business Leaders of America, Phi Beta Lambda

**Internship/Work Experience Recommendations**

Work, intern, volunteer or shadow in local business offices, school offices or government offices.

Career Cluster: Information Technology	CTE Program: Computer Systems & Information Technology (9001200) PSAV (Y100200)
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Career Cluster Pathway: Information Support & Services	Industry Certification: Comptia A+, Comptia Network +
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	<b>16 CORE CURRICULUM CREDITS</b>					<b>8 ADDITIONAL CREDITS</b>	
	<b>ENGLISH</b> 4 credits	<b>MATH</b> 4 credits	<b>SCIENCE</b> 3 credits, 2 with lab	<b>SOCIAL STUDIES</b> 3 credits	<b>OTHER REQUIRED COURSES</b> FINE ARTS or Approved PRACTICAL ARTS (1 credit) PHYSICAL EDUCATION (1 credit)	<b>CAREER AND TECHNICAL EDUCATION COURSES</b>	<b>RECOMMENDED ELECTIVES</b> (Aligned with State University System Admissions)

Career Cluster of interest identified by students enrolled in required middle school career education course that includes interest assessment and career exploration through CHOICES and ePersonal Education Planner through FACTS.org.

<b>HIGH SCHOOL</b>	9	English I or H	Algebra 1 or H, or Geometry or H	Physical Science or Biology	Geography (elective)	Practical Arts or Fine Arts course (1 credit)	Foreign Language for SUS admission or other elective appropriate for student's career and education plan.
	10	English 2 or H	Geometry or H, or Algebra 2 or H	Chemistry or Physics	World History or H	HOPE (1 credit)	Foreign Language for SUS admission or other elective appropriate for student's career and education plan.
	11	English 3 or H	Liberal Arts or Algebra 2 or H	1 "equally rigorous" science	US History or H	Introduction to Information Technology, CSIT System Essentials	CSIT Cyber Security Essentials, CSIT Cyber Security - Physical Other elective course appropriate for student's career and education plan.
	12	English 4 or H	Algebra 2, Pre Calculus, Math for College Readiness or higher		Economics (.5) American Government (.5)	CSIT Network Systems Configuration, CSIT Network Systems Design & Administration	Information Technology Directed Study Other elective course appropriate for student's career and education plan.

Dual enrollment courses may be used to satisfy high school graduation or Bright Futures Gold Seal Vocational Scholars course requirements - see the Articulation Coordinating Committee's Dual Enrollment Equivalency List and the Bright Futures Comprehensive Course Table.

Secondary career and technical education programs may lead to industry recognized certificates, occupational opportunities or postsecondary education options. Based on the Career Cluster of interest and identified career and technical education program, the following postsecondary options are available.

<b>POSTSECONDARY</b>	<b>TECHNICAL CENTER PROGRAM(S)</b>	<b>COMMUNITY COLLEGE PROGRAM(S)</b>	<b>UNIVERSITY PROGRAM(S)</b>
		Information Technology, Computer Information Systems and Analysis	Business Administration, Information Systems

**SAMPLE CAREER SPECIALTIES**  
(The Targeted Occupations List may be used to identify appropriate careers.)

<b>CAREER</b>	Information Technology Assistant	Computer Programmer Aide, Computer Support Specialists	Computer Programmer, Help Desk Administrator
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**ARTICULATION AND CTE DUAL ENROLLMENT OPPORTUNITIES**


<b>CREDIT</b>	<b>Secondary to Technical Center (PSAV)</b> (minimum # of clock hours awarded)	<b>Secondary to College Credit Certificate or Degree</b> (minimum # of clock or credit hours awarded)	<b>PSAV/PSV to AAS or AS to BS or BAS</b> (statewide and other local agreements may be included here)
	None available at this time	Statewide Articulation Agreement based on Comptia A+ and Comptia Network + Certifications in the following AAS/AS Degree Programs Computer Engineering Technology, Computer Engineering Technology, Computer Information Technology, Networking Services Technology	Computer Engineering Technology AS articulates to the university program: Information Systems Technology

Career and Technical Student Organization

FBLA, BPA, Skills USA


Internship/Work Experience Recommendations



Career Cluster: Human Services					CTE Program: Cosmetology - D500100		
Career Cluster Pathway: Personal Care Services					Industry Certification: FL Licensed Cosmetologist		
	<b>16 CORE CURRICULUM CREDITS</b>					<b>8 ADDITIONAL CREDITS</b>	
	<b>ENGLISH</b> 4 credits	<b>MATH</b> 4 credits	<b>SCIENCE</b> 3 credits, 2 with lab	<b>SOCIAL STUDIES</b> 3 credits	<b>OTHER REQUIRED COURSES</b> FINE ARTS or Approved PRACTICAL ARTS (1 credit) PHYSICAL EDUCATION (1 credit)	<b>CAREER AND TECHNICAL EDUCATION COURSES</b>	<b>RECOMMENDED ELECTIVES</b> (Aligned with State University System Admissions)
<b>HIGH SCHOOL</b>	Career Cluster of interest identified by students enrolled in required middle school career education course that includes interest assessment and career exploration through CHOICES and ePersonal Education Planner through FACTS.org.						
	9	English I or H	Algebra 1 or H, or Geometry or H	Physical Science or Biology	Geography (elective)	Practical Arts or Fine Arts course (1 credit)	Foreign Language for SUS admission or other elective appropriate for student's career and education plan.
	10	English 2 or H	Geometry or H, or Algebra 2 or H	Chemistry or Physics	World History or H	HOPE (1 credit)	Foreign Language for SUS admission or other elective appropriate for student's career and education plan.
	11	English 3 or H	Liberal Arts or Algebra 2 or H	1 "equally rigorous" science	US History or H	Grooming & Salon Services Core 1 Cosmetology Nails 2	Cosmetology Facials 3 Cosmetology 4 Other elective course appropriate for student's career and education plan.
	12	English 4 or H	Algebra 2, Pre Calculus, Math for College Readiness or higher		Economics (.5) American Government (.5)	Cosmetology 5 Cosmetology 6	Cosmetology 7 Cosmetology 8 Other elective course appropriate for student's career and education plan.
Dual enrollment courses may be used to satisfy high school graduation or Bright Futures Gold Seal Vocational Scholars course requirements - see the Articulation Coordinating Committee's Dual Enrollment Equivalency List and the Bright Futures Comprehensive Course Table.							
<b>POSTSECONDARY</b>	Secondary career and technical education programs may lead to industry recognized certificates, occupational opportunities or postsecondary education options. Based on the Career Cluster of interest and identified career and technical education program, the following postsecondary options are available.						
	<b>TECHNICAL CENTER PROGRAM(S)</b>		<b>COMMUNITY COLLEGE PROGRAM(S)</b>			<b>UNIVERSITY PROGRAM(S)</b>	
	Cosmetology D500100		N/A			N/A	
<b>Nail Technician, Hairdresser, Esthetician</b>	<b>SAMPLE CAREER SPECIALTIES</b> (The Targeted Occupations List may be used to identify appropriate careers.)						
	Cosmetologist, Nail technician, facials technician, hairdresser, esthetician			Salon Owner, Entrepreneur			N/A
<b>CREDIT</b>	<b>ARTICULATION AND CTE DUAL ENROLLMENT OPPORTUNITIES</b>						
	<b>Secondary to Technical Center (PSAV)</b> (minimum # of clock hours awarded)			<b>Secondary to College Credit Certificate or Degree</b> (minimum # of clock or credit hours awarded)			<b>PSAV/PSV to AAS or AS to BS or BAS</b> (statewide and other local agreements may be included here)
	900 clock hours			N/A			N/A
<b>Career and Technical Student Organization</b>							
<b>Skills USA</b>							
<b>Internship/Work Experience Recommendations</b>							
Florida Statue Title XXXII > Chapter 477 requires specific numbers of services performed on persons including, but not limited to, styles, colors, shampoos, cuts, perms, facials, manicures, and pedicures.							

Career Cluster: Law, Public Safety, and Service CTE Program: Criminal Justice (8918000)

Career Cluster Pathway: Law Enforcement Services Industry Certification: None at this time

	16 CORE CURRICULUM CREDITS					8 ADDITIONAL CREDITS	
	<b>ENGLISH</b> 4 credits	<b>MATH</b> 4 credits	<b>SCIENCE</b> 3 credits, 2 with lab	<b>SOCIAL STUDIES</b> 3 credits	<b>OTHER REQUIRED COURSES</b> FINE ARTS or Approved PRACTICAL ARTS (1 credit) PHYSICAL EDUCATION (1 credit)	<b>CAREER AND TECHNICAL EDUCATION COURSES</b>	<b>RECOMMENDED ELECTIVES</b> (Aligned with State University System Admissions)

Career Cluster of interest identified by students enrolled in required middle school career education course that includes interest assessment and career exploration through CHOICES and ePersonal Education Planner through FACTS.org.

<b>HIGH SCHOOL</b>	9	English I or H	Algebra 1 or H, or Geometry or H	Physical Science or Biology	Geography (elective)	Practical Arts or Fine Arts course (1 credit)	Criminal Justice 1	Foreign Language for SUS admission or other elective appropriate for student's career and education plan.
	10	English 2 or H	Geometry or H, or Algebra 2 or H	Chemistry or Physics	World History or H	HOPE (1 credit)	Criminal Justice 2	Foreign Language for SUS admission or other elective appropriate for student's career and education plan.
	11	English 3 or H	Liberal Arts or Algebra 2 or H	1 "equally rigorous" science	US History or H		Criminal Justice 3	Other elective course appropriate for student's career and education plan.
	12	English 4 or H	Algebra 2, Pre Calculus, Math for College Readiness or higher		Economics (.5) American Government (.5)		Criminal Justice 4	Other elective course appropriate for student's career and education plan.

Dual enrollment courses may be used to satisfy high school graduation or Bright Futures Gold Seal Vocational Scholars course requirements - see the Articulation Coordinating Committee's Dual Enrollment Equivalency List and the Bright Futures Comprehensive Course Table.

Secondary career and technical education programs may lead to industry recognized certificates, occupational opportunities or postsecondary education options. Based on the Career Cluster of interest and identified career and technical education program, the following postsecondary options are available.

<b>POSTSECONDARY</b>	TECHNICAL CENTER PROGRAM(S)	COMMUNITY COLLEGE PROGRAM(S)	UNIVERSITY PROGRAM(S)
	Correctional Officer, Firefighter, Private Security Officer, Law Enforcement Officer, Introduction to Fire Fighting	Criminal Justice Technology, AS	Criminal Justice, BS Criminal Forensics Studies Criminology/Criminal Justice Public

Sample Career Specialties (The Targeted Occupations List may be used to identify appropriate careers.)

<b>CAREER</b>	Law Enforcement Officer, Police and Sheriff's Officer, Police, Fire and Ambulance Dispatchers, Private Detectives & Investigator, Correctional Probation Officer, Correctional Officers & Jailers, Community Service Officer, Police Service Aide, Parking Enforcement Officer, Criminal Investigator, Highway Patrol, Dispatcher, Bailiff, Forensic Material Specialist, Forensic Photography Assistant	Game Enforcement Officer, Border Patrol Agent, Fingerprint Identification Technician, Forensic Science Technician, Claims Adjusters, Examiners, & Investigators, Private Detectives & Investigators, Paralegals & Legal Assistant, Immigration & Customs Inspector, Private Security Officer, Probation Officer, Police Officer	Federal Marshal, Park Ranger, Police Detective, Forensic Chemist, FBI Agent, DEA Agent, Customs Agent, Secret Service Agent, Law Librarian, Rehabilitation Counselor
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**ARTICULATION AND CTE DUAL ENROLLMENT OPPORTUNITIES**


<b>CREDIT</b>	Secondary to Technical Center (PSAV) (minimum # of clock hours awarded)	Secondary to College Credit Certificate or Degree (minimum # of clock or credit hours awarded)	PSAV/PSV to AAS or AS to BS or BAS (statewide and other local agreements may be included here)
	None available at this time	None available at this time	None available at this time


Career and Technical Student Organization


Florida Public Service Association (FPSA)


Internship/Work Experience Recommendations

Job shadowing and internship for local law enforcement agencies

Career Cluster: Hospitality and Tourism					CTE Program: Culinary Arts			
Career Cluster Pathway: Restaurants and Food/Beverage					Industry Certification: ServSafe			
	<b>16 CORE CURRICULUM CREDITS</b>					<b>8 ADDITIONAL CREDITS</b>		
	<b>ENGLISH</b> 4 credits	<b>MATH</b> 4 credits	<b>SCIENCE</b> 3 credits, 2 with lab	<b>SOCIAL STUDIES</b> 3 credits	<b>OTHER REQUIRED COURSES</b> FINE ARTS or Approved PRACTICAL ARTS (1 credit) PHYSICAL EDUCATION (1 credit)	<b>CAREER AND TECHNICAL EDUCATION COURSES</b>	<b>RECOMMENDED ELECTIVES</b> (Aligned with State University System Admissions)	
Career Cluster of interest identified by students enrolled in required middle school career education course that includes interest assessment and career exploration through CHOICES and ePersonal Education Planner through FACTS.org.								
<b>HIGH SCHOOL</b>	9	English I or H	Algebra 1 or H, or Geometry or H	Physical Science or Biology	Geography (elective)	Practical Arts or Fine Arts course (1 credit)	Culinary Arts 1	Foreign Language for SUS admission or other elective appropriate for student's career and Foreign Language for SUS admission or other elective appropriate for Other elective course appropriate for student's career and education plan.
	10	English 2 or H	Geometry or H, or Algebra 2 or H	Chemistry or Physics	World History or H	HOPE (1 credit)	Culinary Arts 2	
	11	English 3 or H	Liberal Arts or Algebra 2 or H	1 "equally rigorous" science	US History or H		Culinary Arts 3	
	12	English 4 or H	Algebra 2, Pre Calculus, Math for College Readiness or higher		Economics (.5) American Government (.5)		Hospitality & Tourism Directed Study	
Dual enrollment courses may be used to satisfy high school graduation or Bright Futures Gold Seal Vocational Scholars course requirements - see the Articulation Coordinating Committee's Dual Enrollment Equivalency List and the Bright Futures Comprehensive Course Table.								
<b>POSTSECONDARY</b>	Secondary career and technical education programs may lead to industry recognized certificates, occupational opportunities or postsecondary education options. Based on the Career Cluster of interest and identified career and technical education program, the following postsecondary options are available.							
	<b>TECHNICAL CENTER PROGRAM(S)</b>			<b>STATE COLLEGE PROGRAM(S)</b>			<b>UNIVERSITY PROGRAM(S)</b>	
Commercial Foods and Culinary Arts			Culinary Management and Pastry Management Management			Baking Restaurant Hospitality & Tourism Management Travel Industry Management		
<b>CAREER</b>	<b>SAMPLE CAREER SPECIALTIES</b> (The Targeted Occupations List may be used to identify appropriate careers.)							
	Restaurant Cook Order Cook	Short Utility Cook	Chef Restaurant Manager Baker				Lodging Manager Dietitian	
<b>CREDIT</b>	<b>ARTICULATION AND CTE DUAL ENROLLMENT OPPORTUNITIES</b>							
	<b>Secondary to Technical Center (PSAV)</b> (minimum # of clock hours awarded)			<b>Secondary to College Credit Certificate or Degree</b> (minimum # of clock or credit hours awarded)			<b>PSAV/PSV to AAS or AS to BS or BAS</b> (statewide and other local agreements may be included here)	
<b>Career and Technical Student Organization</b>								
<b>SkillsUSA; Family, Career and Community Leaders of America (FCCLA)</b>								
<b>Internship/Work Experience Recommendations</b>								


Career Cluster: Art, A/V Technology & Communication					CTE Program: Digital Media/Multimedia Design (8201200)			
Career Cluster Pathway:					Industry Certification: ADOBE012			
	<b>16 CORE CURRICULUM CREDITS</b>					<b>8 ADDITIONAL CREDITS</b>		
	<b>ENGLISH</b> 4 credits	<b>MATH</b> 4 credits	<b>SCIENCE</b> 3 credits, 2 with lab	<b>SOCIAL STUDIES</b> 3 credits	<b>OTHER REQUIRED COURSES</b> FINE ARTS or Approved PRACTICAL ARTS (1 credit) PHYSICAL EDUCATION (1 credit)	<b>CAREER AND TECHNICAL EDUCATION COURSES</b>	<b>RECOMMENDED ELECTIVES</b> (Aligned with State University System Admissions)	
<b>Career Cluster of interest identified by students enrolled in required middle school career education course that includes interest assessment and career exploration through CHOICES and ePersonal Education Planner through FACTS.org.</b>								
<b>HIGH SCHOOL</b>	<b>9</b>	English I or H	Algebra 1 or H, or Geometry or H	Physical Science or Biology	Geography (elective)	Practical Arts or Fine Arts course (1 credit)	Introduction to Information Technology	Foreign Language for SUS admission or other elective appropriate for student's career and education plan.
	<b>10</b>	English 2 or H	Geometry or H, or Algebra 2 or H	Chemistry or Physics	World History or H	HOPE (1 credit)	Digital Media/Multimedia Foundations 1	Foreign Language for SUS admission or other elective appropriate for student's career and education plan.
	<b>11</b>	English 3 or H	Liberal Arts or Algebra 2 or H	1 "equally rigorous" science	US History or H		Digital Media/Multimedia Foundations 2	Other elective course appropriate for student's career and education plan.
	<b>12</b>	English 4 or H	Algebra 2, Pre Calculus, Math for College Readiness or higher		Economics (.5) American Government (.5)	Arts, A/V Technology & Communication Directed Study	Digital Media/Multimedia Foundations 3	Other elective course appropriate for student's career and education plan.
<b>Dual enrollment courses may be used to satisfy high school graduation or Bright Futures Gold Seal Vocational Scholars course requirements - see the Articulation Coordinating Committee's Dual Enrollment Equivalency List and the Bright Futures Comprehensive Course Table.</b>								
<b>POSTSECONDARY</b>	<b>Secondary career and technical education programs may lead to industry recognized certificates, occupational opportunities or postsecondary education options. Based on the Career Cluster of interest and identified career and technical education program, the following postsecondary options are available.</b>							
	<b>TECHNICAL CENTER PROGRAM(S)</b> Digital Design, Digital Video Production			<b>COMMUNITY COLLEGE PROGRAM(S)</b> Graphic Design Technology			<b>UNIVERSITY PROGRAM(S)</b>	
<b>CAREER</b>	<b>SAMPLE CAREER SPECIALTIES</b>							
	<b>(The Targeted Occupations List may be used to identify appropriate careers.)</b>							
	Multimedia Artist and Animator			Multimedia Artist and Animator				
<b>CREDIT</b>	<b>ARTICULATION AND CTE DUAL ENROLLMENT OPPORTUNITIES</b>							
	<b>Secondary to Technical Center (PSAV)</b> (minimum # of clock hours awarded)  <b>None at this time</b>			<b>Secondary to College Credit Certificate or Degree</b> (minimum # of clock or credit hours awarded)  <b>None at this time</b>			<b>PSAV/PSV to AAS or AS to BS or BAS</b> (statewide and other local agreements may be included here)  <b>None at this time</b>	
<b>Career and Technical Student Organization</b>								
Future Business Leaders of America, Business Professionals, Phi Beta Lambda (Postsecondary)								
<b>Internship/Work Experience Recommendations</b>								
Work, intern, volunteer or shadow workers at local advertisement agencies, school or district TV productions, daily school announcements, community or school publications in paper or digital format.								

Career Cluster: Arts, A/V Technology & Communication					CTE Program: Digital Design (8209600)			
Career Cluster Pathway: Visual Arts & Technology					Industry Certification: MICRO069, ADOBE012			
	<b>16 CORE CURRICULUM CREDITS</b>					<b>8 ADDITIONAL CREDITS</b>		
	<b>ENGLISH</b> 4 credits	<b>MATH</b> 4 credits	<b>SCIENCE</b> 3 credits, 2 with lab	<b>SOCIAL STUDIES</b> 3 credits	<b>OTHER REQUIRED COURSES</b> FINE ARTS (1 credit) PHYSICAL EDUCATION (1 credit)	<b>CAREER AND TECHNICAL EDUCATION COURSES</b>	<b>RECOMMENDED ELECTIVES</b> (Aligned with State University System Admissions)	
<b>HIGH SCHOOL</b>	Career Cluster of interest identified by students enrolled in required middle school career education course that includes interest assessment and career exploration through CHOICES and ePersonal Education Planner through FACTS.org.							
	9	English I or H	Algebra 1 or H, or Geometry or H	Physical Science or Biology	Geography (elective)	Practical Arts or Fine Arts course (1 credit)	Introduction to Information Technology	Foreign Language for SUS admission or other elective appropriate for student's career and education plan.
	10	English 2 or H	Geometry or H, or Algebra 2 or H	Chemistry or Physics	World History or H	HOPE (1 credit)	Digital Design 1	Foreign Language for SUS admission or other elective appropriate for student's career and education plan.
	11	English 3 or H	Liberal Arts or Algebra 2 or H	1 "equally rigorous" science	US History or H		Digital Design 2	Other elective course appropriate for student's career and education plan.
	12	English 4 or H	Algebra 2, Pre Calculus, Math for College Readiness or higher		Economics (.5) American Government (.5)	Arts, A/V Technology & Communication Directed Study	Digital Design 3	Other elective course appropriate for student's career and education plan.
Dual enrollment courses may be used to satisfy high school graduation or Bright Futures Gold Seal Vocational Scholars course requirements - see the Articulation Coordinating Committee's Dual Enrollment Equivalency List and the Bright Futures Comprehensive Course Table.								
<b>POSTSECONDARY</b>	Secondary career and technical education programs may lead to industry recognized certificates, occupational opportunities or postsecondary education options. Based on the Career Cluster of interest and identified career and technical education program, the following postsecondary options are available.							
	<b>TECHNICAL CENTER PROGRAM(S)</b>  Digital Design (B070600) PSAV Certificate - 1200 hrs		<b>COMMUNITY COLLEGE PROGRAM(S)</b>  Graphic Arts Technology, Graphics Technology, Digital Media/Multimedia Technology, Office Administration			<b>UNIVERSITY PROGRAM(S)</b>		
<b>CAREER</b>	<b>SAMPLE CAREER SPECIALTIES</b> (The Targeted Occupations List may be used to identify appropriate careers.)							
	Desktop Publishers, Computer User Support Specialists, Information Technology Assistant			Graphic Designers				
<b>CREDIT</b>	Dual enrollment courses may be used to satisfy high school graduation or Bright Futures Gold Seal Vocational Scholars course requirements - see the Articulation Coordinating Committee's Dual Enrollment Equivalency List and the Bright Futures Comprehensive							
	<b>Secondary to Technical Center (PSAV)</b> (minimum # of clock hours awarded) Digital Design (B070600) - 1200 hours Multimedia Design Technology (B070200) - 1350 hours		<b>Secondary to College Credit Certificate or Degree</b> (minimum # of clock or credit hours awarded) Local Articulation State College of Florida ADOBE012 to Computer Image Making (3 credits) MICRO069 to Computer Information Systems (3 credits)			<b>PSAV/PSV to AAS or AS to BS or BAS</b> (statewide and other local agreements may be included here) Digital Design (1200 hours) to 9 credits in Graphics Technology AAS/AS		
<b>Career and Technical Student Organization</b>								
Future Business Leaders of America, Business Professionals, Phi Beta Lambda (Postsecondary)								
<b>Internship/Work Experience Recommendations</b>								
Work, intern, volunteer or shadow workers at local advertisement agencies, school or district TV productions, daily school announcements, community or school publications in paper or digital format.								

Career Cluster: Information Technology					CTE Program: Digital Media Technology			
Career Cluster Pathway: Interactive Media					Industry Certification: Microsoft Office Specialist Certification, Adobe Certified Associate-Premier Pro			
	<b>16 CORE CURRICULUM CREDITS</b>					<b>8 ADDITIONAL CREDITS</b>		
	<b>ENGLISH</b> 4 credits	<b>MATH</b> 4 credits	<b>SCIENCE</b> 3 credits, 2 with lab	<b>SOCIAL STUDIES</b> 3 credits	<b>OTHER REQUIRED COURSES</b> FINE ARTS or Approved PRACTICAL ARTS (1 credit) PHYSICAL EDUCATION (1 credit)	<b>CAREER AND TECHNICAL EDUCATION COURSES</b>	<b>RECOMMENDED ELECTIVES</b> (Aligned with State University System Admissions)	
<b>HIGH SCHOOL</b>	Career Cluster of interest identified by students enrolled in required middle school career education course that includes interest assessment and career exploration through CHOICES and ePersonal Education Planner through FACTS.org.							
	9	English I or H	Algebra 1 or H, or Geometry or H	Physical Science or Biology	Geography (elective)	Practical Arts or Fine Arts course (1 credit)	Introduction to Information Technology	Foreign Language for SUS admission or other elective appropriate for student's career and education plan.
	10	English 2 or H	Geometry or H, or Algebra 2 or H	Chemistry or Physics	World History or H	HOPE (1 credit)	Digital Media Fundamentals	Foreign Language for SUS admission or other elective appropriate for student's career and education plan.
	11	English 3 or H	Liberal Arts or Algebra 2 or H	1 "equally rigorous" science	US History or H		Digital Media Production Systems	Other elective course appropriate for student's career and education plan.
	12	English 4 or H	Algebra 2, Pre Calculus, Math for College Readiness or higher		Economics (.5) American Government (.5)	Information Technology Directed Study	Digital Media Delivery Systems	Other elective course appropriate for student's career and education plan.
Dual enrollment courses may be used to satisfy high school graduation or Bright Futures Gold Seal Vocational Scholars course requirements - see the Articulation Coordinating Committee's Dual Enrollment Equivalency List and the Bright Futures Comprehensive Course Table.								
<b>POSTSECONDARY</b>	Secondary career and technical education programs may lead to industry recognized certificates, occupational opportunities or postsecondary education options. Based on the Career Cluster of interest and identified career and technical education program, the following postsecondary options are available.							
	<b>TECHNICAL CENTER PROGRAM(S)</b> Digital Design, Web Design		<b>STATE COLLEGE PROGRAM(S)</b> Graphic Design Technology, Business Administration			<b>UNIVERSITY PROGRAM(S)</b> Game Art and Design – Bachelor of Fine Arts Business Administration – Bachelor degree Business Administration – Business		
<b>CAREER</b>	<b>SAMPLE CAREER SPECIALTIES</b> (The Targeted Occupations List may be used to identify appropriate careers.)							
	Information Technology Assistant Multimedia Production Assistant		Supervisor/Manager Trainee Multimedia Junior Designer			Multimedia Producer Multimedia Designer Multimedia Specialist		
<b>CREDIT</b>	<b>ARTICULATION AND CTE DUAL ENROLLMENT OPPORTUNITIES</b>							
	<b>Secondary to Technical Center (PSAV)</b> (minimum # of clock hours awarded)		<b>Secondary to College Credit Certificate or Degree</b> (minimum # of clock or credit hours awarded)			<b>PSAV/PSV to AAS or AS to BS or BAS</b> (statewide and other local agreements may be included here)		
<b>Career and Technical Student Organization</b>								
<b>FBLA, BPA</b>								
<b>Internship/Work Experience Recommendations</b>								

Career Cluster: Arts, AV Technology & Communications CTE Program: Digital Video Production - I100240

Career Cluster Pathway: A/V Technology & Film Industry Certification: Adobe Premiere Pro

	16 CORE CURRICULUM CREDITS					8 ADDITIONAL CREDITS	
	<b>ENGLISH</b> 4 credits	<b>MATH</b> 4 credits	<b>SCIENCE</b> 3 credits, 2 with lab	<b>SOCIAL STUDIES</b> 3 credits	<b>OTHER REQUIRED COURSES</b> FINE ARTS or Approved PRACTICAL ARTS (1 credit) PHYSICAL EDUCATION (1 credit)	<b>CAREER AND TECHNICAL EDUCATION COURSES</b>	<b>RECOMMENDED ELECTIVES</b> (Aligned with State University System Admissions)

Career Cluster of interest identified by students enrolled in required middle school career education course that includes interest assessment and career exploration through CHOICES and ePersonal Education Planner through FACTS.org.

<b>HIGH SCHOOL</b>	9	English I or H	Algebra 1 or H, or Geometry or H	Physical Science or Biology	Geography (elective)	Practical Arts or Fine Arts course (1 credit)	Digital Video Production 1 and 2	Foreign Language for SUS admission or other elective appropriate for student's career and education plan.
	10	English 2 or H	Geometry or H, or Algebra 2 or H	Chemistry or Physics	World History or H	HOPE (1 credit)	Digital Video Production 3 and 4	Foreign Language for SUS admission or other elective appropriate for student's career and education plan.
	11	English 3 or H	Liberal Arts or Algebra 2 or H	1 "equally rigorous" science	US History or H	Digital Video Production 5 and 6	Digital Video Production 7 and 8	Other elective course appropriate for student's career and education plan.
	12	English 4 or H	Algebra 2, Pre Calculus, Math for College Readiness or higher		Economics (.5) American Government (.5)	Digital Video Production 9 and 10	Arts, A/V Technology & Communication Directed Study	Other elective course appropriate for student's career and education plan.

Dual enrollment courses may be used to satisfy high school graduation or Bright Futures Gold Seal Vocational Scholars course requirements - see the Articulation Coordinating Committee's Dual Enrollment Equivalency List and the Bright Futures Comprehensive Course Table.

<b>POSTSECONDARY</b>	Secondary career and technical education programs may lead to industry recognized certificates, occupational opportunities or postsecondary education options. Based on the Career Cluster of interest and identified career and technical education program, the following postsecondary options are available.		
	<b>TECHNICAL CENTER PROGRAM(S)</b>	<b>COMMUNITY COLLEGE PROGRAM(S)</b>	<b>UNIVERSITY PROGRAM(S)</b>
	Digital Video Production I100400	Digital Cinema AS	Mass Communications BA, Theatre BA

<b>SAMPLE CAREER SPECIALTIES</b> (The Targeted Occupations List may be used to identify appropriate careers.)		
Videographer, editor, scriptwriter, entry level technician	Production assistant, lighting director	Performer, Broadcast Journalist, Television Anchor, Videographer, Editor


<b>CREDIT</b>	ARTICULATION AND CTE DUAL ENROLLMENT OPPORTUNITIES		
	<b>Secondary to Technical Center (PSAV)</b> (minimum # of clock hours awarded)	<b>Secondary to College Credit Certificate or Degree</b> (minimum # of clock or credit hours awarded)	<b>PSAV/PSV to AAS or AS to BS or BAS</b> (statewide and other local agreements may be included here)
	1500 clock hours	N/A	N/A

Career and Technical Student Organization


Future Business Leaders of America and/or Skills USA


Internship/Work Experience Recommendations


Work, intern, volunteer or shadow industry practitioners


Career Cluster: Architecture & Construction					CTE Program: Drafting - 8725000		
Career Cluster Pathway: Design/Pre-Construction					Industry Certification: Autodesk AutoCAD		
	<b>16 CORE CURRICULUM CREDITS</b>					<b>8 ADDITIONAL CREDITS</b>	
	<b>ENGLISH</b> 4 credits	<b>MATH</b> 4 credits	<b>SCIENCE</b> 3 credits, 2 with lab	<b>SOCIAL STUDIES</b> 3 credits	<b>OTHER REQUIRED COURSES</b> FINE ARTS or Approved PRACTICAL ARTS (1 credit) PHYSICAL EDUCATION (1 credit)	<b>CAREER AND TECHNICAL EDUCATION COURSES</b>	<b>RECOMMENDED ELECTIVES</b> (Aligned with State University System Admissions)
<b>HIGH SCHOOL</b>	Career Cluster of interest identified by students enrolled in required middle school career education course that includes interest assessment and career exploration through CHOICES and ePersonal Education Planner through FACTS.org.						
	9	English I or H	Algebra 1 or H, or Geometry or H	Physical Science or Biology	Geography (elective)	Practical Arts or Fine Arts course (1 credit)	Foreign Language for SUS admission or other elective appropriate for student's career and education plan.
	10	English 2 or H	Geometry or H, or Algebra 2 or H	Chemistry or Physics	World History or H	HOPE (1 credit)	Foreign Language for SUS admission or other elective appropriate for student's career and education plan.
	11	English 3 or H	Liberal Arts or Algebra 2 or H	1 "equally rigorous" science	US History or H	Drafting 1 - 4	Other elective course appropriate for student's career and education plan.
	12	English 4 or H	Algebra 2, Pre Calculus, Math for College Readiness or higher		Economics (.5) American Government (.5)	Industrial Education Directed Study	Other elective course appropriate for student's career and education plan.
Dual enrollment courses may be used to satisfy high school graduation or Bright Futures Gold Seal Vocational Scholars course requirements - see the Articulation Coordinating Committee's Dual Enrollment Equivalency List and the Bright Futures Comprehensive Course Table.							
<b>POSTSECONDARY</b>	Secondary career and technical education programs may lead to industry recognized certificates, occupational opportunities or postsecondary education options. Based on the Career Cluster of interest and identified career and technical education program, the following postsecondary options are available.						
	<b>TECHNICAL CENTER PROGRAM(S)</b>		<b>COMMUNITY COLLEGE PROGRAM(S)</b>		<b>UNIVERSITY PROGRAM(S)</b>		
	Drafting (C100200)		Engineering Technology		Industrial Engineering BS		
<b>CAREER</b>	<b>SAMPLE CAREER SPECIALTIES</b> (The Targeted Occupations List may be used to identify appropriate careers.)						
	Designer, Draftsman		Designer, Draftsman			Architect	
<b>CREDIT</b>	<b>ARTICULATION AND CTE DUAL ENROLLMENT OPPORTUNITIES</b>						
	<b>Secondary to Technical Center (PSAV)</b> (minimum # of clock hours awarded)		<b>Secondary to College Credit Certificate or Degree</b> (minimum # of clock or credit hours awarded)		<b>PSAV/PSV to AAS or AS to BS or BAS</b> (statewide and other local agreements may be included here)		
	1200 clock hours		3-13 credit hours		N/A		
<b>Career and Technical Student Organization</b>							
SkillsUSA							
Internship/Work Experience Recommendations							
Work, intern, volunteer or shadow industry practitioners							





Education and Training					CTE Program: Early Childing Education (8405100)			
Career Cluster Pathway: Teaching/Training					Industry Certification: FLDCF004 - Child Care Training Certificates			
	<b>16 CORE CURRICULUM CREDITS</b>					<b>8 ADDITIONAL CREDITS</b>		
	<b>ENGLISH</b> 4 credits	<b>MATH</b> 4 credits	<b>SCIENCE</b> 3 credits, 2 with lab	<b>SOCIAL STUDIES</b> 3 credits	<b>OTHER REQUIRED COURSES</b> FINE ARTS or Approved PRACTICAL ARTS (1 credit) PHYSICAL EDUCATION (1 credit)	<b>CAREER AND TECHNICAL EDUCATION COURSES</b>	<b>RECOMMENDED ELECTIVES</b> (Aligned with State University System Admissions)	
<b>HIGH SCHOOL</b>	Career Cluster of interest identified by students enrolled in required middle school career education course that includes interest assessment and career exploration through CHOICES and ePersonal Education Planner through FACTS.org.							
	9	English I or H	Algebra 1 or H, or Geometry or H	Physical Science or Biology	Geography (elective)	Practical Arts or Fine Arts course (1 credit)	Early Childhood Education 1	Foreign Language for SUS admission or other elective appropriate for student's career and education plan.
	10	English 2 or H	Geometry or H, or Algebra 2 or H	Chemistry or Physics	World History or H	HOPE (1 credit)	Early Childhood Education 2	Foreign Language for SUS admission or other elective appropriate for student's career and education plan.
	11	English 3 or H	Liberal Arts or Algebra 2 or H	1 "equally rigorous" science	US History or H		Early Childhood Education 3	Other elective course appropriate for student's career and education plan.
	12	English 4 or H	Algebra 2, Pre Calculus, Math for College Readiness or higher		Economics (.5) American Government (.5)	Education & Training Directed Study	Early Childhood Education 4	Other elective course appropriate for student's career and education plan.
Dual enrollment courses may be used to satisfy high school graduation or Bright Futures Gold Seal Vocational Scholars course requirements - see the Articulation Coordinating Committee's Dual Enrollment Equivalency List and the Bright Futures Comprehensive Course Table.								
<b>POSTSECONDARY</b>	Secondary career and technical education programs may lead to industry recognized certificates, occupational opportunities or postsecondary education options. Based on the Career Cluster of interest and identified career and technical education program, the following postsecondary options are available.							
	<b>TECHNICAL CENTER PROGRAM(S)</b>		<b>COMMUNITY COLLEGE PROGRAM(S)</b>			<b>UNIVERSITY PROGRAM(S)</b>		
	Child Care Center Operations, Child Development, Early Childhood Education		Child Care Center Management Specialization, Child Development Early Intervention, Early Childhood Education Associate's Degree, Early Childhood Management			Teacher Education		
<b>CAREER</b>	<b>SAMPLE CAREER SPECIALTIES</b> (The Targeted Occupations List may be used to identify appropriate careers.)							
	Preschool/Pre-Kindergarten Teacher, Childcare Center Director, School Age Care Coordinator, Preschool Teachers, Except Special Education, Childcare Workers		Preschool Teachers, Except Special Education, Preschool/Pre-Kindergarten Teacher, Childcare Center Director			Teacher, School Psychologist, Guidance Counselor		
<b>CREDIT</b>	<b>ARTICULATION AND CTE DUAL ENROLLMENT OPPORTUNITIES</b>							
	<b>Secondary to Technical Center (PSAV)</b> (minimum # of clock hours awarded)		<b>Secondary to College Credit Certificate or Degree</b> (minimum # of clock or credit hours awarded)			<b>PSAV/PSV to AAS or AS to BS or BAS</b> (statewide and other local agreements may be included here)		
	None available at this time		Statewide Articulation based on Industry Certification Child Development Associate to Early Childhood Education - 9 credits			Statewide Agreement PSAV to AAS/AS degree in Early Childhood Education - 9 college credits		
<b>Career and Technical Student Organization</b>								
<b>FCCLA</b>								
<b>Internship/Work Experience Recommendations</b>								
Observation and supervision work experience with young children in local day care centers or school classrooms.								


Career Cluster: Health Science				CTE Program: Emergency Medical Responder - 8417170				
Career Cluster Pathway: Support Services				Industry Certification: Emergency Medical Responder				
	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 or Approved PRACTICAL ARTS (1 credit) PHYSICAL EDUCATION (1 credit)	CAREER AND TECHNICAL EDUCATION COURSES	RECOMMENDED ELECTIVES (Aligned with State University System Admissions)	
HIGH SCHOOL	Career Cluster of interest identified by students enrolled in required middle school career education course that includes interest assessment and career exploration through CHOICES and ePersonal Education Planner through FACTS.org.							
	9	English I or H	Algebra 1 or H, or Geometry or H	Physical Science or Biology	Geography (elective)	Practical Arts or Fine Arts course (1 credit)	Foreign Language for SUS admission or other elective appropriate for student's career and education plan.	
	10	English 2 or H	Geometry or H, or Algebra 2 or H	Chemistry or Physics	World History or H	HOPE (1 credit)	Foreign Language for SUS admission or other elective appropriate for student's career and education plan.	
	11	English 3 or H	Liberal Arts or Algebra 2 or H	1 "equally rigorous" science	US History or H		Health Science 1 Health Science 2 Emergency Medical Responder 3  Other elective course appropriate for student's career and education plan.	
	12	English 4 or H	Algebra 2, Pre Calculus, Math for College Readiness or higher		Economics (.5) American Government (.5)	Health Science Education Directed Study	Other elective course appropriate for student's career and education plan.	
Dual enrollment courses may be used to satisfy high school graduation or Bright Futures Gold Seal Vocational Scholars course requirements - see the Articulation 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 options. 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)		
	Emergency Medical Technician W170205		Emergency Medical Services AAS (1351090402)			Emergency Medical Services BS		
CAREER	SAMPLE CAREER SPECIALTIES (The Targeted Occupations List may be used to identify appropriate careers.)							
	Emergency Medical Technicians		Emergency Medical Technicians			Emergency Medical Technicians to Ambulance Service Director		
CREDIT	ARTICULATION AND CTE DUAL ENROLLMENT OPPORTUNITIES							
	Secondary to Technical Center (PSAV) (minimum # of clock hours awarded)		Secondary to College Credit Certificate or Degree (minimum # of clock or credit hours awarded)			PSAV/PSV to AAS or AS to BS or BAS (statewide and other local agreements may be included here)		
	220		11 credit hours			N/A		
Career and Technical Student Organization								
HOSA: Future Health Professionals								
Internship/Work Experience Recommendations								
Field internship shall include a competency based program to assure appropriate pre-hospital assessment and management of medical and trauma patients, as well as associated manual skills. The field internship activity shall include a minimum of 5 emergency runs resulting in patient care and transport appropriate for the EMT. In addition, the patient care component should include minimum competencies in patient assessment, airway management and ventilation, trauma and medical emergencies.								

Career Cluster: Engineering & Technology Education				CTE Program: Engineering Pathways (9400300)									
Career Cluster Pathway: Engineering & Technology				Industry Certification: RECFN001, RECFN002, SOLID003, ADESK008, ADESK011, MSSCN001									
	<b>ENGLISH</b> 4 credits		<b>MATH</b> 4 credits		<b>SCIENCE</b> 3 credits, 2 with lab		<b>SOCIAL STUDIES</b> 3 credits		<b>OTHER REQUIRED COURSES</b> FINE ARTS or Approved PRACTICAL ARTS (1 credit) PHYSICAL EDUCATION (1 credit)		<b>8 ADDITIONAL CREDITS</b>		
	<b>CAREER AND TECHNICAL EDUCATION COURSES</b>		<b>RECOMMENDED ELECTIVES</b> (Aligned with State University System Admissions)										
	<p>Students are encouraged to begin planning for careers and postsecondary options by exploring resources at <a href="https://www.floridashines.org/find-a-career/plan-your-future-mycareershines/">https://www.floridashines.org/find-a-career/plan-your-future-mycareershines/</a></p>												
	HIGH SCHOOL	9	English I or H	Algebra 1 or H, or Geometry or H	Physical Science or Biology	Geography (elective)	Practical Arts or Fine Arts course (1 credit)	Introduction to Engineering Design	Foreign Language for SUS admission or other elective appropriate for student's career and education plan.				
		10	English 2 or H	Geometry or H, or Algebra 2 or H	Chemistry or Physics	World History or H	HOPE (1 credit)	Principles of Engineering	Foreign Language for SUS admission or other elective appropriate for student's career and education plan.				
11		English 3 or H	Liberal Arts or Algebra 2 or H	1 "equally rigorous" science	US History or H		Computer Integrated Manufacturing or Civil Engineering & Architecture	Other elective course appropriate for student's career and education plan.					
12		English 4 or H	Algebra 2, Pre Calculus, Math for College Readiness or higher		Economics (.5) American Government (.5)	Cooperative Diversified Education (OJT)	Engineering Design & Development	Other elective course appropriate for student's career and education plan.					
Dual enrollment courses may be used to satisfy high school graduation or Bright Futures Gold Seal Vocational Scholars course requirements - see the Articulation 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 options. 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)					
	Drafting, Precision Machining and CNC Automation <i>Suncoast Technical College</i>			Associate of Science - Engineering Technology, Technology Program Management Bachelor of Applied Science - Energy Technology Management, Technology Management <i>State College of Florida</i>				Civil Engineering, Industrial Engineering, Mechanical Engineering, Education <i>FGCU and USF</i>					
CAREER	SAMPLE CAREER SPECIALTIES (The Targeted Occupations List may be used to identify appropriate careers.)												
	Architectural or Mechanical Drafter, Milling, Machine Setter, Machinist			Industrial Machinery Mechanics, Vocational Education Teachers, Interior Designers, Engineering Managers, Engineering Sales Reps				Civil Engineer, Industrial Engineer, Mechanical Engineer, Engineering Managers, Vocational Education Teacher					
CREDIT	ARTICULATION AND CTE DUAL ENROLLMENT OPPORTUNITIES												
	Secondary to Technical Center (PSAV) (minimum # of clock hours awarded)			Secondary to College Credit Certificate or Degree (minimum # of clock or credit hours awarded)				PSAV/PSV to AAS or AS to BS or BAS (statewide and other local agreements may be included here)					
	150 hours TDR0070-Blueprint Reader and 150 hours TDR0370-Drafting Assistant for Industry Certifications; SOLID003 and ADESK008 and ADESK011 <i>Suncoast Technical College</i>			NA				Statewide Articulations include: ADESK011 (3) credits for Engineering Technology AAS/AS ADESK008 (3) credits for Engineering Technology AAS/AS MSSCN001 (15) credits for Engineering Technology AAS/AS					
Florida Technology Students Association													
Internship/Work Experience Recommendations													
Work, intern, volunteer or shadow for local engineering firms or participate in school-based enterprises.													

Career Cluster: Information Technology					CTE Program: Game,Simulation,Animation Programming			
Career Cluster Pathway: Interactive Media					Industry Certification: Adobe Certified Associate-Photoshop			
	<b>16 CORE CURRICULUM CREDITS</b>					<b>8 ADDITIONAL CREDITS</b>		
	<b>ENGLISH</b> 4 credits	<b>MATH</b> 4 credits	<b>SCIENCE</b> 3 credits, 2 with lab	<b>SOCIAL STUDIES</b> 3 credits	<b>OTHER REQUIRED COURSES</b> FINE ARTS or Approved PRACTICAL ARTS (1 credit) PHYSICAL EDUCATION (1 credit)	<b>CAREER AND TECHNICAL EDUCATION COURSES</b>	<b>RECOMMENDED ELECTIVES</b> (Aligned with State University System Admissions)	
<b>HIGH SCHOOL</b>	<b>Career Cluster of interest identified by students enrolled in required middle school career education course that includes interest assessment and career exploration through CHOICES and ePersonal Education Planner through FACTS.org.</b>							
	9	English I or H	Algebra 1 or H, or Geometry or H	Physical Science or Biology	Geography (elective)	Practical Arts or Fine Arts course (1 credit)	Game & Simulation Foundations	Foreign language for SUS admission of other elective appropriate for student's career and education plan.
	10	English 2 or H	Geometry or H, or Algebra 2 or H	Chemistry or Physics	World History or H	HOPE (1 credit)	Game & Simulation Design	Foreign language for SUS admission of other elective appropriate for student's career and education plan.
	11	English 3 or H	Liberal Arts or Algebra 2 or H	1 "equally rigorous" science	US History or H		Game & Simulation Programming	Foreign language for SUS admission of other elective appropriate for student's career and education plan.
	12	English 4 or H	Algebra 2, Pre Calculus, Math for College Readiness or higher		Economics (.5) American Government (.5)	Game, Simulation & Animation Advanced Applications Information Technology Directed Study	Multi-User Game & Simulation Programming	Foreign language for SUS admission of other elective appropriate for student's career and education plan.
<b>Dual enrollment courses may be used to satisfy high school graduation or Bright Futures Gold Seal Vocational Scholars course requirements - see the Articulation Coordinating Committee's Dual Enrollment Equivalency List and the Bright Futures Comprehensive Course Table.</b>								
<b>POSTSECONDARY</b>	<b>Secondary career and technical education programs may lead to industry recognized certificates, occupational opportunities or postsecondary education options. Based on the Career Cluster of interest and identified career and technical education program, the following postsecondary options are available.</b>							
	<b>TECHNICAL CENTER PROGRAM(S)</b> Printing & Graphic Communications			<b>STATE COLLEGE PROGRAM(S)</b> Graphic Arts Technology, Advertising, Graphic Design			<b>UNIVERSITY PROGRAM(S)</b>	
<b>CAREER</b>	<b>SAMPLE CAREER SPECIALTIES</b> <b>(The Targeted Occupations List may be used to identify appropriate careers.)</b>							
	Web Designer, MultiMedia Specialist, Digital Media Designer			Graphic Design Technology				
<b>CREDIT</b>	<b>ARTICULATION AND CTE DUAL ENROLLMENT OPPORTUNITIES</b>							
	<b>Secondary to Technical Center (PSAV)</b> (minimum # of clock hours awarded)			<b>Secondary to College Credit Certificate or Degree</b> (minimum # of clock or credit hours awarded)			<b>PSAV/PSV to AAS or AS to BS or BAS</b> (statewide and other local agreements may be included here)	
<b>Career and Technical Student Organization</b>								
<b>FBLA, BPA</b>								
<b>Internship/Work Experience Recommendations</b>								


Career Cluster: Information Technology					CTE Program: Game,Simulation,Animation and Visual Design			
Career Cluster Pathway: Interactive Media					Industry Certification: Adobe Certified Associate-Photoshop			
	<b>16 CORE CURRICULUM CREDITS</b>					<b>8 ADDITIONAL CREDITS</b>		
	<b>ENGLISH</b> 4 credits	<b>MATH</b> 4 credits	<b>SCIENCE</b> 3 credits, 2 with lab	<b>SOCIAL STUDIES</b> 3 credits	<b>OTHER REQUIRED COURSES</b> FINE ARTS or Approved PRACTICAL ARTS (1 credit) PHYSICAL EDUCATION (1 credit)	<b>CAREER AND TECHNICAL EDUCATION COURSES</b>	<b>RECOMMENDED ELECTIVES</b> (Aligned with State University System Admissions)	
<b>HIGH SCHOOL</b>	<b>Career Cluster of interest identified by students enrolled in required middle school career education course that includes interest assessment and career exploration through CHOICES and ePersonal Education Planner through FACTS.org.</b>							
	9	English I or H	Algebra 1 or H, or Geometry or H	Physical Science or Biology	Geography (elective)	Practical Arts or Fine Arts course (1 credit)	Game & Simulation Foundations	Foreign language for SUS admission of other elective appropriate for student's career and education plan.
	10	English 2 or H	Geometry or H, or Algebra 2 or H	Chemistry or Physics	World History or H	HOPE (1 credit)	Game & Simulation Design	Foreign language for SUS admission of other elective appropriate for student's career and education plan.
	11	English 3 or H	Liberal Arts or Algebra 2 or H	1 "equally rigorous" science	US History or H		Game & Simulation 2D Graphic	Foreign language for SUS admission of other elective appropriate for student's career and education plan.
	12	English 4 or H	Algebra 2, Pre Calculus, Math for College Readiness or higher		Economics (.5) American Government (.5)	Game, Simulation & Animation Advanced Applications Information Technology Directed Study	Game & Simulation 3D Graphic	Foreign language for SUS admission of other elective appropriate for student's career and education plan.
<b>Dual enrollment courses may be used to satisfy high school graduation or Bright Futures Gold Seal Vocational Scholars course requirements - see the Articulation Coordinating Committee's Dual Enrollment Equivalency List and the Bright Futures Comprehensive Course Table.</b>								
<b>POSTSECONDARY</b>	<b>Secondary career and technical education programs may lead to industry recognized certificates, occupational opportunities or postsecondary education options. Based on the Career Cluster of interest and identified career and technical education program, the following postsecondary options are available.</b>							
	<b>TECHNICAL CENTER PROGRAM(S)</b> Printing & Graphic Communications			<b>STATE COLLEGE PROGRAM(S)</b> Graphic Arts Technology, Advertising, Graphic Design			<b>UNIVERSITY PROGRAM(S)</b>	
<b>CAREER</b>	<b>SAMPLE CAREER SPECIALTIES</b> <b>(The Targeted Occupations List may be used to identify appropriate careers.)</b>							
	Web Designer, MultiMedia Specialist, Digital Media Designer			Graphic Design Technology				
<b>CREDIT</b>	<b>ARTICULATION AND CTE DUAL ENROLLMENT OPPORTUNITIES</b>							
	<b>Secondary to Technical Center (PSAV)</b> (minimum # of clock hours awarded)			<b>Secondary to College Credit Certificate or Degree</b> (minimum # of clock or credit hours awarded)			<b>PSAV/PSV to AAS or AS to BS or BAS</b> (statewide and other local agreements may be included here)	
<b>Career and Technical Student Organization</b>								
<b>FBLA, BPA</b>								
<b>Internship/Work Experience Recommendations</b>								


Career Cluster: Health Science					CTE Program: Health & Wellness			
Career Cluster Pathway: Therapeutic Services					Industry Certification: Certified Medical Administration Assistant			
	<b>16 CORE CURRICULUM CREDITS</b>					<b>8 ADDITIONAL CREDITS</b>		
	<b>ENGLISH</b> 4 credits	<b>MATH</b> 4 credits	<b>SCIENCE</b> 3 credits, 2 with lab	<b>SOCIAL STUDIES</b> 3 credits	<b>OTHER REQUIRED COURSES</b> FINE ARTS or Approved PRACTICAL ARTS (1 credit) PHYSICAL EDUCATION (1 credit)	<b>CAREER AND TECHNICAL EDUCATION COURSES</b>	<b>RECOMMENDED ELECTIVES</b> (Aligned with State University System Admissions)	
<b>Career Cluster of interest identified by students enrolled in required middle school career education course that includes interest assessment and career exploration through CHOICES and ePersonal Education Planner through FACTS.org.</b>								
<b>HIGH SCHOOL</b>	9	English I or H	Algebra 1 or H, or Geometry or H	Physical Science or Biology	Geography (elective)	Practical Arts or Fine Arts course (1 credit)	Health Science 1	Foreign Language for SUS admission or other elective appropriate for student's career and education plan.
	10	English 2 or H	Geometry or H, or Algebra 2 or H	Chemistry or Physics	World History or H	HOPE (1 credit)	Health Science 2	Foreign Language for SUS admission or other elective appropriate for student's career and education plan.
	11	English 3 or H	Liberal Arts or Algebra 2 or H	1 "equally rigorous" science	US History or H		Health & Wellness	Other elective course appropriate for student's career and education plan.
	12	English 4 or H	Algebra 2, Pre Calculus, Math for College Readiness or higher		Economics (.5) American Government (.5)		Health Science Directed Study	Other elective course appropriate for student's career and education plan.
<b>Dual enrollment courses may be used to satisfy high school graduation or Bright Futures Gold Seal Vocational Scholars course requirements - see the Articulation Coordinating Committee's Dual Enrollment Equivalency List and the Bright Futures Comprehensive Course Table.</b>								
<b>POSTSECONDARY</b>	<b>Secondary career and technical education programs may lead to industry recognized certificates, occupational opportunities or postsecondary education options. Based on the Career Cluster of interest and identified career and technical education program, the following postsecondary options are available.</b>							
	<b>TECHNICAL CENTER PROGRAM(S)</b>			<b>STATE COLLEGE PROGRAM(S)</b>			<b>UNIVERSITY PROGRAM(S)</b>	
<b>CAREER</b>	Massage Therapy Medical Assisting Nursing			Practical	Health Services Administration Massage Therapy Radiological Technology		Health Services Administration Athletic Trainer	
	<b>SAMPLE CAREER SPECIALTIES</b> <b>(The Targeted Occupations List may be used to identify appropriate careers.)</b>							
<b>CREDIT</b>	Emergency Medical Technician Paramedic			Licensed Practical Nurse Therapist Assistant			Physical	Registered Nurse Physical Therapist
	<b>ARTICULATION AND CTE DUAL ENROLLMENT OPPORTUNITIES</b>							
<b>Secondary to Technical Center (PSAV)</b> (minimum # of clock hours awarded)			<b>Secondary to College Credit Certificate or Degree</b> (minimum # of clock or credit hours awarded)			<b>PSAV/PSV to AAS or AS to BS or BAS</b> (statewide and other local agreements may be included here)		
<b>Career and Technical Student Organization</b>								
<b>HOSA: Future Health Professionals</b>								
<b>Internship/Work Experience Recommendations</b>								

Career Cluster: Hospitality and Tourism					CTE Program: Hospitality & Tourism			
Career Cluster Pathway: Travel & tourism					Industry Certification: Certified Professional Food Manager (ServSafe)			
	<b>16 CORE CURRICULUM CREDITS</b>					<b>8 ADDITIONAL CREDITS</b>		
	<b>ENGLISH</b> 4 credits	<b>MATH</b> 4 credits	<b>SCIENCE</b> 3 credits, 2 with lab	<b>SOCIAL STUDIES</b> 3 credits	<b>OTHER REQUIRED COURSES</b> FINE ARTS or Approved PRACTICAL ARTS (1 credit) PHYSICAL EDUCATION (1 credit)	<b>CAREER AND TECHNICAL EDUCATION COURSES</b>	<b>RECOMMENDED ELECTIVES</b> (Aligned with State University System Admissions)	
<b>HIGH SCHOOL</b>	Career Cluster of interest identified by students enrolled in required middle school career education course that includes interest assessment and career exploration through CHOICES and ePersonal Education Planner through FACTS.org.							
	9	English I or H	Algebra 1 or H, or Geometry or H	Physical Science or Biology	Geography (elective)	Practical Arts or Fine Arts course (1 credit)	Introduction to Hospitality and Tourism	Foreign Language for SUS admission or other elective appropriate for student's career and Foreign Language for SUS admission or other elective appropriate for
	10	English 2 or H	Geometry or H, or Algebra 2 or H	Chemistry or Physics	World History or H	HOPE (1 credit)	Computer Technology for Travel & Tourism	Other elective appropriate for
	11	English 3 or H	Liberal Arts or Algebra 2 or H	1 "equally rigorous" science	US History or H		Hospitality & Tourism Internship OR Marketing Cooperative Education	Other elective course appropriate for student's career and education plan.
	12	English 4 or H	Algebra 2, Pre Calculus, Math for College Readiness or higher		Economics (.5) American Government (.5)		Travel & Tourism Marketing Management	Other elective course appropriate for student's career and education plan.
Dual enrollment courses may be used to satisfy high school graduation or Bright Futures Gold Seal Vocational Scholars course requirements - see the Articulation Coordinating Committee's Dual Enrollment Equivalency List and the Bright Futures Comprehensive Course Table.								
<b>POSTSECONDARY</b>	Secondary career and technical education programs may lead to industry recognized certificates, occupational opportunities or postsecondary education options. Based on the Career Cluster of interest and identified career and technical education program, the following postsecondary options are available.							
	<b>TECHNICAL CENTER PROGRAM(S)</b>			<b>STATE COLLEGE PROGRAM(S)</b>		<b>UNIVERSITY PROGRAM(S)</b>		
Hospitality			Hospitality Management		Hospitality Administration/Management Travel and Tourism Management			
<b>CAREER</b>	<b>SAMPLE CAREER SPECIALTIES</b> (The Targeted Occupations List may be used to identify appropriate careers.)							
	Convention Services Manager Director of Tourism Development Travel Agent			Director of Communications Events Planner/Manager /Sales Manager		Group Director of Conention & Visitors Bureau Transportation Specialist Tourism Marketing Specialist		
<b>CREDIT</b>	<b>ARTICULATION AND CTE DUAL ENROLLMENT OPPORTUNITIES</b>							
	<b>Secondary to Technical Center (PSAV)</b> (minimum # of clock hours awarded)			<b>Secondary to College Credit Certificate or Degree</b> (minimum # of clock or credit hours awarded)		<b>PSAV/PSV to AAS or AS to BS or BAS</b> (statewide and other local agreements may be included here)		
<b>Career and Technical Student Organization</b>								
<b>DECA</b>								
<b>Internship/Work Experience Recommendations</b>								






Career Cluster: Business Management & Administration				CTE Program: International Business (8216100)				
Career Cluster Pathway: Business Analysis				Industry Certification: MOS Bundle (MICRO069)				
	<b>ENGLISH</b> 4 credits		<b>MATH</b> 4 credits		<b>SCIENCE</b> 3 credits, 2 with lab		<b>SOCIAL STUDIES</b> 3 credits	
	<b>OTHER REQUIRED COURSES</b> FINE ARTS or Approved PRACTICAL ARTS (1 credit) PHYSICAL EDUCATION (1 credit)		<b>CAREER AND TECHNICAL EDUCATION COURSES</b>		<b>8 ADDITIONAL CREDITS</b> <b>RECOMMENDED ELECTIVES</b> (Aligned with State University System Admissions)			
<b>HIGH SCHOOL</b>	Students are encouraged to begin planning for careers and postsecondary options by exploring resources at <a href="https://www.floridashines.org/find-a-career/plan-your-future-mycareershines/">https://www.floridashines.org/find-a-career/plan-your-future-mycareershines/</a>							
	9	English I or H	Algebra 1 or H, or Geometry or H	Physical Science or Biology	Geography (elective)		Digital Information Technology <i>Approved Practical Arts</i>	Foreign Language for SUS admission or other elective appropriate for student's career and education plan.
	10	English 2 or H	Geometry or H, or Algebra 2 or H	Chemistry or Physics	World History or H	HOPE (1 credit)	Accounting Applications 1	Foreign Language for SUS admission or other elective appropriate for student's career and education plan.
	11	English 3 or H	Liberal Arts or Algebra 2 or H	1 "equally rigorous" science	US History or H		International Business Systems	Other elective course appropriate for student's career and education plan.
	12	English 4 or H	Algebra 2, Pre Calculus, Math for College Readiness or higher		Economics (.5) American Government (.5)	Business Internship	International Finance and Law	Other elective course appropriate for student's career and education plan.
Dual enrollment courses may be used to satisfy high school graduation or Bright Futures Gold Seal Vocational Scholars course requirements - see the Articulation Coordinating Committee's Dual Enrollment Equivalency List and the Bright Futures Comprehensive Course Table.								
<b>POSTSECONDARY</b>	Secondary career and technical education programs may lead to industry recognized certificates, occupational opportunities or postsecondary education options. Based on the Career Cluster of interest and identified career and technical education program, the following postsecondary options are available.							
	<b>TECHNICAL CENTER PROGRAM(S)</b>		<b>COMMUNITY COLLEGE PROGRAM(S)</b>			<b>UNIVERSITY PROGRAM(S)</b>		
PSAV Courses Accounting Operations B070110 Business Management & Analysis B060200 <i>Suncoast Technical College</i>		Business Administration/Management <i>State College of Florida</i>			International Business (BA/BS) <i>USF</i>			
<b>CAREER</b>	<b>SAMPLE CAREER SPECIALTIES</b> (The Targeted Occupations List may be used to identify appropriate careers.)							
	Bookkeeping, Accounting & Audit Clerk Operations Manager	General &	Supervisor/Manager Trainee Operations Specialist	Business General and Operations Manager	Supervisor Sales Manager International Account Manager			
<b>CREDIT</b>	<b>ARTICULATION AND CTE DUAL ENROLLMENT OPPORTUNITIES</b>							
	<b>Secondary to Technical Center (PSAV)</b> (minimum # of clock hours awarded)		<b>Secondary to College Credit Certificate or Degree</b> (minimum # of clock or credit hours awarded)				PSAV/PSV to AAS or AS to BS or BAS (statewide and other local agreements may be included here)	
	None available at this time		<b>Gold Standard Statewide Articulation</b> MOS Office Bundle = 3 credits Administration 0507060300 <b>State College of Florida Articulation</b> 3-9 credits in Business Administration/Management Digital Information Technology leads to CGS1000 3 credits Accounting Applications 1 + International Business Systems + International Finance & Law leads to 3 credits GEB2350 Introduction to International Business Business Internship leads to 1-3 credits GEB2949 Internship in Business				None available at this time	
<b>Career and Technical Student Organization</b>								
<b>FBLA Future Business Leaders of America</b>								
<b>Internship/Work Experience Recommendations</b>								
Work, intern, volunteer or shadow for local businesses or participate in school-based enterprises.								

Career Cluster: Business Management & Administration				CTE Program: International Business (8216100)				
Career Cluster Pathway: Business Analysis				Industry Certification: MOS Bundle (MICRO069)				
	<b>ENGLISH</b> 4 credits		<b>MATH</b> 4 credits		<b>SCIENCE</b> 3 credits, 2 with lab		<b>SOCIAL STUDIES</b> 3 credits	
	<b>OTHER REQUIRED COURSES</b> FINE ARTS or Approved PRACTICAL ARTS (1 credit) PHYSICAL EDUCATION (1 credit)		<b>CAREER AND TECHNICAL EDUCATION COURSES</b>		<b>8 ADDITIONAL CREDITS</b> <b>RECOMMENDED ELECTIVES</b> (Aligned with State University System Admissions)			
<b>HIGH SCHOOL</b>	Students are encouraged to begin planning for careers and postsecondary options by exploring resources at <a href="https://www.floridashines.org/find-a-career/plan-your-future-mycareershines/">https://www.floridashines.org/find-a-career/plan-your-future-mycareershines/</a>							
	9	English I or H	Algebra 1 or H, or Geometry or H	Physical Science or Biology	Geography (elective)		Digital Information Technology <i>Approved Practical Arts</i>	Foreign Language for SUS admission or other elective appropriate for student's career and education plan.
	10	English 2 or H	Geometry or H, or Algebra 2 or H	Chemistry or Physics	World History or H	HOPE (1 credit)	Accounting Applications 1	Foreign Language for SUS admission or other elective appropriate for student's career and education plan.
	11	English 3 or H	Liberal Arts or Algebra 2 or H	1 "equally rigorous" science	US History or H		International Business Systems	Other elective course appropriate for student's career and education plan.
	12	English 4 or H	Algebra 2, Pre Calculus, Math for College Readiness or higher		Economics (.5) American Government (.5)	Business Internship	International Finance and Law	Other elective course appropriate for student's career and education plan.
Dual enrollment courses may be used to satisfy high school graduation or Bright Futures Gold Seal Vocational Scholars course requirements - see the Articulation Coordinating Committee's Dual Enrollment Equivalency List and the Bright Futures Comprehensive Course Table.								
<b>POSTSECONDARY</b>	Secondary career and technical education programs may lead to industry recognized certificates, occupational opportunities or postsecondary education options. Based on the Career Cluster of interest and identified career and technical education program, the following postsecondary options are available.							
	<b>TECHNICAL CENTER PROGRAM(S)</b>		<b>COMMUNITY COLLEGE PROGRAM(S)</b>			<b>UNIVERSITY PROGRAM(S)</b>		
PSAV Courses Accounting Operations B070110 Business Management & Analysis B060200 <i>Suncoast Technical College</i>		Business Administration/Management <i>State College of Florida</i>			International Business (BA/BS) <i>USF</i>			
<b>CAREER</b>	<b>SAMPLE CAREER SPECIALTIES</b> (The Targeted Occupations List may be used to identify appropriate careers.)							
	Bookkeeping, Accounting & Audit Clerk Operations Manager	General &	Supervisor/Manager Trainee Operations Specialist	Business General and Operations Manager	Supervisor Sales Manager International Account Manager			
<b>CREDIT</b>	<b>ARTICULATION AND CTE DUAL ENROLLMENT OPPORTUNITIES</b>							
	<b>Secondary to Technical Center (PSAV)</b> (minimum # of clock hours awarded)		<b>Secondary to College Credit Certificate or Degree</b> (minimum # of clock or credit hours awarded)				PSAV/PSV to AAS or AS to BS or BAS (statewide and other local agreements may be included here)	
	None available at this time		<b>Gold Standard Statewide Articulation</b> MOS Office Bundle = 3 credits Administration 0507060300 <b>State College of Florida Articulation</b> 3-9 credits in Business Administration/Management Digital Information Technology leads to CGS1000 3 credits Accounting Applications 1 + International Business Systems + International Finance & Law leads to 3 credits GEB2350 Introduction to International Business Business Internship leads to 1-3 credits GEB2949 Internship in Business				None available at this time	
<b>Career and Technical Student Organization</b>								
<b>FBLA Future Business Leaders of America</b>								
<b>Internship/Work Experience Recommendations</b>								
Work, intern, volunteer or shadow for local businesses or participate in school-based enterprises.								

Cell	Notes
A-5	<p>The high school courses listed here are considered complimentary academic courses for this career path. The secondary academic courses are locally determined depending on the needs of the student, their individual education and career plans and the individual school's instructional schedule. ( six period day, seven period, day, block schedule).</p> <p>Some students may take high school courses in middle school and earn high school credit. See your local school counselor for more information.</p>
C-3	Visit <a href="http://www.facts.org">www.facts.org</a> to see detailed information regarding Florida's High School Graduation Requirements
C-4	Four (4) credits in English, with major concentration in composition, reading for information, and literature.
D-4	<p>Four (4) credits in mathematics, one of which must be Algebra I, a series equivalent to Algebra I, or a high-level mathematics course.</p> <p>For students entering grade 9 in the 2010-2011 school year, one of the four credits in mathematics must be geometry or a series of courses equivalent to geometry.</p> <p>For students entering grade 9 in the 2012-2013 school year, in addition to the Algebra I and geometry credit requirements, one of the four credits in mathematics must be Algebra II or a series of courses equivalent to Algebra II.</p>
E-4	<p>Three (3) credits in science, two of which must have a laboratory component.</p> <p>For students entering grade 9 in the 2011-2012 school year, one of the three credits in science must be Biology I or a series of courses equivalent to Biology I.</p> <p>For students entering grade 9 in the 2013-2014 school year, in addition to the Biology I requirement, one credit must be chemistry or physics or a series of courses equivalent to chemistry or physics, and one credit must be an equally rigorous course.</p>
F-4	Three (3) credits in social studies as follows: one (1) credit in United States history; one (1) credit in world history; one-half credit in economics; and one-half credit in United States government.
G-4	<p>One (1) credit in fine or performing arts, speech and debate, or a practical arts course.</p> <p>One (1) credit in physical education to include integration of health.</p>
H-3	Eight (8) credits in electives
I-4	Four (4) credits in elective courses selected by the student as part of the education plan. These credits may be elective courses, intensive reading or mathematics intervention courses, or credit recovery courses.

Career Cluster: Law, Public Safety, Correction & Security CTE Program: Introduction to Fire Fighting -- 8918200

Career Cluster Pathway: Emergency & Fire Management Services Industry Certification:

	16 CORE CURRICULUM CREDITS					8 ADDITIONAL CREDITS	
	<b>ENGLISH</b> 4 credits	<b>MATH</b> 4 credits	<b>SCIENCE</b> 3 credits, 2 with lab	<b>SOCIAL STUDIES</b> 3 credits	<b>OTHER REQUIRED COURSES</b> FINE ARTS or Approved PRACTICAL ARTS (1 credit) PHYSICAL EDUCATION (1 credit)	<b>CAREER AND TECHNICAL EDUCATION COURSES</b>	<b>RECOMMENDED ELECTIVES</b> (Aligned with State University System Admissions)

Career Cluster of interest identified by students enrolled in required middle school career education course that includes interest assessment and career exploration through CHOICES and ePersonal Education Planner through FACTS.org.

<b>HIGH SCHOOL</b>	9	English I or H	Algebra 1 or H, or Geometry or H	Physical Science or Biology	Geography (elective)	Practical Arts or Fine Arts course (1 credit)	Foreign Language for SUS admission or other elective appropriate for student's career and education plan.
	10	English 2 or H	Geometry or H, or Algebra 2 or H	Chemistry or Physics	World History or H	HOPE (1 credit)	Foreign Language for SUS admission or other elective appropriate for student's career and education plan.
	11	English 3 or H	Liberal Arts or Algebra 2 or H	1 "equally rigorous" science	US History or H		Other elective course appropriate for student's career and education plan.
	12	English 4 or H	Algebra 2, Pre Calculus, Math for College Readiness or higher		Economics (.5) American Government (.5)	Law, Public Safety & Security Directed Study	Firefighting 1 - 3  Other elective course appropriate for student's career and education plan.

Dual enrollment courses may be used to satisfy high school graduation or Bright Futures Gold Seal Vocational Scholars course requirements - see the Articulation Coordinating Committee's Dual Enrollment Equivalency List and the Bright Futures Comprehensive Course Table.

Secondary career and technical education programs may lead to industry recognized certificates, occupational opportunities or postsecondary education options. Based on the Career Cluster of interest and identified career and technical education program, the following postsecondary options are available.

<b>POSTSECONDARY</b>	TECHNICAL CENTER PROGRAM(S)	COMMUNITY COLLEGE PROGRAM(S)	UNIVERSITY PROGRAM(S)
	Fire Fighter P430205	A.S. Fire Science Technology (*FESHE Model) [2016]	Bachelor of Science in Fire and Emergency Services

**SAMPLE CAREER SPECIALTIES**  
(The Targeted Occupations List may be used to identify appropriate careers.)

<b>CAREER</b>	Fire Fighters	Fire Fighters Officer	Fire Fighters Officer
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**ARTICULATION AND CTE DUAL ENROLLMENT OPPORTUNITIES**


<b>CREDIT</b>	Secondary to Technical Center (PSAV) (minimum # of clock hours awarded)	Secondary to College Credit Certificate or Degree (minimum # of clock or credit hours awarded)	PSAV/PSV to AAS or AS to BS or BAS (statewide and other local agreements may be included here)
	150	N/A	N/A

Career and Technical Student Organization

HOSA


Internship/Work Experience Recommendations

Laboratory activities are an integral part of this program. These activities include instruction in the use of safety procedures, tools, equipment, materials, and processes related to these occupations. Equipment and supplies should be provided to enhance hands-on experiences for students.

Career Cluster: Information Technology					CTE Program: Java Development & Programming			
Career Cluster Pathway: Interactive Media					Industry Certification: Microsoft Office Specialist Certification, Oracle Certified Associate-Java Programming			
	<b>16 CORE CURRICULUM CREDITS</b>					<b>8 ADDITIONAL CREDITS</b>		
	<b>ENGLISH</b> 4 credits	<b>MATH</b> 4 credits	<b>SCIENCE</b> 3 credits, 2 with lab	<b>SOCIAL STUDIES</b> 3 credits	<b>OTHER REQUIRED COURSES</b> FINE ARTS or Approved PRACTICAL ARTS (1 credit) PHYSICAL EDUCATION (1 credit)	<b>CAREER AND TECHNICAL EDUCATION COURSES</b>	<b>RECOMMENDED ELECTIVES</b> (Aligned with State University System Admissions)	
<b>HIGH SCHOOL</b>	<b>Career Cluster of interest identified by students enrolled in required middle school career education course that includes interest assessment and career exploration through CHOICES and ePersonal Education Planner through FACTS.org.</b>							
	9	English I or H	Algebra 1 or H, or Geometry or H	Physical Science or Biology	Geography (elective)	Practical Arts or Fine Arts course (1 credit)	Introduction to Information Technology	Foreign language for SUS admission of other elective appropriate for student's career and education plan.
	10	English 2 or H	Geometry or H, or Algebra 2 or H	Chemistry or Physics	World History or H	HOPE (1 credit)	Foundations of Programming	Foreign language for SUS admission of other elective appropriate for student's career and education plan.
	11	English 3 or H	Liberal Arts or Algebra 2 or H	1 "equally rigorous" science	US History or H		Procedural Programming	Foreign language for SUS admission of other elective appropriate for student's career and education plan.
	12	English 4 or H	Algebra 2, Pre Calculus, Math for College Readiness or higher		Economics (.5) American Government (.5)		Object-Oriented Programming	Foreign language for SUS admission of other elective appropriate for student's career and education plan.
<b>Dual enrollment courses may be used to satisfy high school graduation or Bright Futures Gold Seal Vocational Scholars course requirements - see the Articulation Coordinating Committee's Dual Enrollment Equivalency List and the Bright Futures Comprehensive Course Table.</b>								
<b>POSTSECONDARY</b>	<b>Secondary career and technical education programs may lead to industry recognized certificates, occupational opportunities or postsecondary education options. Based on the Career Cluster of interest and identified career and technical education program, the following postsecondary options are available.</b>							
	<b>TECHNICAL CENTER PROGRAM(S)</b> Business Computer Programming			<b>STATE COLLEGE PROGRAM(S)</b> Computer Programming and Analysis		<b>UNIVERSITY PROGRAM(S)</b>		
<b>CAREER</b>	<b>SAMPLE CAREER SPECIALTIES</b> <b>(The Targeted Occupations List may be used to identify appropriate careers.)</b>							
	Computer User Support Specialist, Computer Programmer, Information Tech Assistant, Java Developer			Computer Game Designer, Programmer Specialists, Senior Programmers, Programmer Analysts, Chief Business Programmers, Information systems Programmers				
<b>CREDIT</b>	<b>ARTICULATION AND CTE DUAL ENROLLMENT OPPORTUNITIES</b>							
	Secondary to Technical Center (PSAV) (minimum # of clock hours awarded)			Secondary to College Credit Certificate or Degree (minimum # of clock or credit hours awarded) CGS1000 Computer Information Systems - 3 credits COP 2510 Programming Concepts - 3 credits 2250C Java Programming 1-4 credits		PSAV/PSV to AAS or AS to BS or BAS (statewide and other local agreements may be included here) Oracle Certified Associate articulates to 6 credits to the AAS/AS Degree in Database Technology		
<b>Career and Technical Student Organization</b>								
<b>FBLA, BPA, SkillsUSA</b>								
<b>Internship/Work Experience Recommendations</b>								

Career Cluster: Transportation, Distribution & Logistics CTE Program: Marine Service Technology - 8751000

Career Cluster Pathway: Facility & Mobile Equipment Maintenance Industry Certification: None available at this time

	16 CORE CURRICULUM CREDITS					8 ADDITIONAL CREDITS	
	<b>ENGLISH</b> 4 credits	<b>MATH</b> 4 credits	<b>SCIENCE</b> 3 credits, 2 with lab	<b>SOCIAL STUDIES</b> 3 credits	<b>OTHER REQUIRED COURSES</b> FINE ARTS or Approved PRACTICAL ARTS (1 credit) PHYSICAL EDUCATION (1 credit)	<b>CAREER AND TECHNICAL EDUCATION COURSES</b>	<b>RECOMMENDED ELECTIVES</b> (Aligned with State University System Admissions)

Career Cluster of interest identified by students enrolled in required middle school career education course that includes interest assessment and career exploration through CHOICES and ePersonal Education Planner through FACTS.org.

<b>HIGH SCHOOL</b>	9	English I or H	Algebra 1 or H, or Geometry or H	Physical Science or Biology	Geography (elective)	Practical Arts or Fine Arts course (1 credit)		Foreign Language for SUS admission or other elective appropriate for student's career and education plan.
	10	English 2 or H	Geometry or H, or Algebra 2 or H	Chemistry or Physics	World History or H	HOPE (1 credit)		Foreign Language for SUS admission or other elective appropriate for student's career and education plan.
	11	English 3 or H	Liberal Arts or Algebra 2 or H	1 "equally rigorous" science	US History or H	Marine Service 1 and 2	Marine Service 3 and 4	Other elective course appropriate for student's career and education plan.
	12	English 4 or H	Algebra 2, Pre Calculus, Math for College Readiness or higher		Economics (.5) American Government (.5)	Marine Service 5 and 6	Marine Service 7 and 8	Other elective course appropriate for student's career and education plan.

Dual enrollment courses may be used to satisfy high school graduation or Bright Futures Gold Seal Vocational Scholars course requirements - see the Articulation Coordinating Committee's Dual Enrollment Equivalency List and the Bright Futures Comprehensive Course Table.

Secondary career and technical education programs may lead to industry recognized certificates, occupational opportunities or postsecondary education options. Based on the Career Cluster of interest and identified career and technical education program, the following postsecondary options are available.

<b>POSTSECONDARY</b>	TECHNICAL CENTER PROGRAM(S)	COMMUNITY COLLEGE PROGRAM(S)	UNIVERSITY PROGRAM(S)
	Marine Service Technology 1 (T500100), Marine Service Technology 2 (T500200)	N/A	N/A

**SAMPLE CAREER SPECIALTIES**  
(The Targeted Occupations List may be used to identify appropriate careers.)

<b>CAREER</b>	Marine Mechanic, Marine Technician	N/A	N/A
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**ARTICULATION AND CTE DUAL ENROLLMENT OPPORTUNITIES**

<b>CREDIT</b>	Secondary to Technical Center (PSAV) (minimum # of clock hours awarded)	Secondary to College Credit Certificate or Degree (minimum # of clock or credit hours awarded)	PSAV/PSV to AAS or AS to BS or BAS (statewide and other local agreements may be included here)
	1200 clock hours	N/A	N/A

Career and Technical Student Organization


SkillsUSA

Internship/Work Experience Recommendations

Work, shadow, or intern at marinas or body shops that do work on boats.

Career Cluster: Health Science CTE Program: Medical Laboratory Assisting - 8417200

Career Cluster Pathway: Diagnostic Services Industry Certification:

	16 CORE CURRICULUM CREDITS					8 ADDITIONAL CREDITS	
	<b>ENGLISH</b> 4 credits	<b>MATH</b> 4 credits	<b>SCIENCE</b> 3 credits, 2 with lab	<b>SOCIAL STUDIES</b> 3 credits	<b>OTHER REQUIRED COURSES</b> FINE ARTS or Approved PRACTICAL ARTS (1 credit) PHYSICAL EDUCATION (1 credit)	<b>CAREER AND TECHNICAL EDUCATION COURSES</b>	<b>RECOMMENDED ELECTIVES</b> (Aligned with State University System Admissions)

Career Cluster of interest identified by students enrolled in required middle school career education course that includes interest assessment and career exploration through CHOICES and ePersonal Education Planner through FACTS.org.

<b>HIGH SCHOOL</b>	9	English I or H	Algebra 1 or H, or Geometry or H	Physical Science or Biology	Geography (elective)	Practical Arts or Fine Arts course (1 credit)	Foreign Language for SUS admission or other elective appropriate for student's career and education plan.
	10	English 2 or H	Geometry or H, or Algebra 2 or H	Chemistry or Physics	World History or H	HOPE (1 credit)	Foreign Language for SUS admission or other elective appropriate for student's career and education plan.
	11	English 3 or H	Liberal Arts or Algebra 2 or H	1 "equally rigorous" science	US History or H	Health Science 1 Health Science 2 Medical Laboratory Assisting 3 Medical Laboratory Assisting 4	Other elective course appropriate for student's career and education plan.
	12	English 4 or H	Algebra 2, Pre Calculus, Math for College Readiness or higher		Economics (.5) American Government (.5)	Health Science Education Directed Study	Other elective course appropriate for student's career and education plan.

Dual enrollment courses may be used to satisfy high school graduation or Bright Futures Gold Seal Vocational Scholars course requirements - see the Articulation Coordinating Committee's Dual Enrollment Equivalency List and the Bright Futures Comprehensive Course Table.

<b>POSTSECONDARY</b>	Secondary career and technical education programs may lead to industry recognized certificates, occupational opportunities or postsecondary education options. Based on the Career Cluster of interest and identified career and technical education program, the following postsecondary options are available.		
	<b>TECHNICAL CENTER PROGRAM(S)</b>	<b>COMMUNITY COLLEGE PROGRAM(S)</b>	<b>UNIVERSITY PROGRAM(S)</b>
	Medical Laboratory Assisting H170306	Medical and Clinical Laboratory Technicians	Bachelor of Arts in Biology

<b>CAREER</b>	SAMPLE CAREER SPECIALTIES (The Targeted Occupations List may be used to identify appropriate careers.)		
	Medical Laboratory Assistant	Medical and Clinical Laboratory Technicians	Environmental or biotechnology law, science journalism, bioscience management


<b>CREDIT</b>	ARTICULATION AND CTE DUAL ENROLLMENT OPPORTUNITIES		
	<b>Secondary to Technical Center (PSAV)</b> (minimum # of clock hours awarded)  600 clock hours	<b>Secondary to College Credit Certificate or Degree</b> (minimum # of clock or credit hours awarded)  N/A	<b>PSAV/PSV to AAS or AS to BS or BAS</b> (statewide and other local agreements may be included here)  N/A

Career and Technical Student Organization


HOSA: Future Health Professionals


Internship/Work Experience Recommendations

On-the-job training is appropriate but not required for this program

Career Cluster: Information Technology					CTE Program: .Net Application Development & Programming - Y700400		
Career Cluster Pathway: Programming & Software Development					Industry Certification: MTA Windows Fundamentals		
	<b>16 CORE CURRICULUM CREDITS</b>					<b>8 ADDITIONAL CREDITS</b>	
	<b>ENGLISH</b> 4 credits	<b>MATH</b> 4 credits	<b>SCIENCE</b> 3 credits, 2 with lab	<b>SOCIAL STUDIES</b> 3 credits	<b>OTHER REQUIRED COURSES</b> FINE ARTS or Approved PRACTICAL ARTS (1 credit) PHYSICAL EDUCATION (1 credit)	<b>CAREER AND TECHNICAL EDUCATION COURSES</b>	<b>RECOMMENDED ELECTIVES</b> (Aligned with State University System Admissions)
<b>HIGH SCHOOL</b>	Career Cluster of interest identified by students enrolled in required middle school career education course that includes interest assessment and career exploration through CHOICES and ePersonal Education Planner through FACTS.org.						
	9	English I or H	Algebra 1 or H, or Geometry or H	Physical Science or Biology	Geography (elective)	Practical Arts or Fine Arts course (1 credit)	Foreign Language for SUS admission or other elective appropriate for student's career and education plan.
	10	English 2 or H	Geometry or H, or Algebra 2 or H	Chemistry or Physics	World History or H	HOPE (1 credit)	Foreign Language for SUS admission or other elective appropriate for student's career and education plan.
	11	English 3 or H	Liberal Arts or Algebra 2 or H	1 "equally rigorous" science	US History or H	Introduction to IT Foundations of Programming	Procedural Programming Object-Oriented Programming Fundamentals Other elective course appropriate for student's career and education plan.
	12	English 4 or H	Algebra 2, Pre Calculus, Math for College Readiness or higher		Economics (.5) American Government (.5)	.NET Application Development Foundations .NET Application Development Applied	.NET Applications Development Capstone Information Technology Directed Study Other elective course appropriate for student's career and education plan.
Dual enrollment courses may be used to satisfy high school graduation or Bright Futures Gold Seal Vocational Scholars course requirements - see the Articulation Coordinating Committee's Dual Enrollment Equivalency List and the Bright Futures Comprehensive Course Table.							
<b>POSTSECONDARY</b>	Secondary career and technical education programs may lead to industry recognized certificates, occupational opportunities or postsecondary education options. Based on the Career Cluster of interest and identified career and technical education program, the following postsecondary options are available.						
	<b>TECHNICAL CENTER PROGRAM(S)</b>		<b>COMMUNITY COLLEGE PROGRAM(S)</b>			<b>UNIVERSITY PROGRAM(S)</b>	
	.Net Application Development and Programming Y700400		Computer Programming & Analysis			Computer Engineering BS, Computer Science BS	
<b>CAREER</b>	<b>SAMPLE CAREER SPECIALTIES</b> (The Targeted Occupations List may be used to identify appropriate careers.)						
	Technology assistant, computer programming aide		Junior programmer, Computer programming specialist			Computer Programmer, Network Specialist, Mobile Device Application Developer	
<b>CREDIT</b>	<b>ARTICULATION AND CTE DUAL ENROLLMENT OPPORTUNITIES</b>						
	<b>Secondary to Technical Center (PSAV)</b> (minimum # of clock hours awarded)		<b>Secondary to College Credit Certificate or Degree</b> (minimum # of clock or credit hours awarded)			<b>PSAV/PSV to AAS or AS to BS or BAS</b> (statewide and other local agreements may be included here)	
	1050 clock hours		3-13 credit hours			N/A	
<b>Career and Technical Student Organization</b>							
<b>Future Business Leaders of American and/or Skills USA</b>							
<b>Internship/Work Experience Recommendations</b>							
<b>Work, intern, volunteer or shadow industry practitioners</b>							




Career Cluster: Health Sciences					CTE Program: Nursing Assistant - Acute & Long Term Care 8417210			
Career Cluster Pathway: Therapeutic Services					Industry Certification: Certified Nursing Assistant - CAN			
	<b>16 CORE CURRICULUM CREDITS</b>					<b>8 ADDITIONAL CREDITS</b>		
	<b>ENGLISH</b> 4 credits	<b>MATH</b> 4 credits	<b>SCIENCE</b> 3 credits, 2 with lab	<b>SOCIAL STUDIES</b> 3 credits	<b>OTHER REQUIRED COURSES</b> FINE ARTS or Approved PRACTICAL ARTS (1 credit) PHYSICAL EDUCATION (1 credit)	<b>CAREER AND TECHNICAL EDUCATION COURSES</b>	<b>RECOMMENDED ELECTIVES</b> (Aligned with State University System Admissions)	
<b>HIGH SCHOOL</b>	Career Cluster of interest identified by students enrolled in required middle school career education course that includes interest assessment and career exploration through CHOICES and ePersonal Education Planner through FACTS.org.							
	9	English I or H	Algebra 1 or H, or Geometry or H	Physical Science or Biology	Geography (elective)	Practical Arts or Fine Arts course (1 credit)	Foreign Language for SUS admission or other elective appropriate for student's career and education plan.	
	10	English 2 or H	Geometry or H, or Algebra 2 or H	Chemistry or Physics	World History or H	HOPE (1 credit)	Foreign Language for SUS admission or other elective appropriate for student's career and education plan.	
	11	English 3 or H	Liberal Arts or Algebra 2 or H	1 "equally rigorous" science	US History or H	Health Science 1 Health Science 2 Nursing Assistant 3	Other elective course appropriate for student's career and education plan.	
	12	English 4 or H	Algebra 2, Pre Calculus, Math for College Readiness or higher		Economics (.5) American Government (.5)	Health Education Directed Study	Other elective course appropriate for student's career and education plan.	
Dual enrollment courses may be used to satisfy high school graduation or Bright Futures Gold Seal Vocational Scholars course requirements - see the Articulation Coordinating Committee's Dual Enrollment Equivalency List and the Bright Futures Comprehensive Course Table.								
<b>POSTSECONDARY</b>	Secondary career and technical education programs may lead to industry recognized certificates, occupational opportunities or postsecondary education options. Based on the Career Cluster of interest and identified career and technical education program, the following postsecondary options are available.							
	<b>TECHNICAL CENTER PROGRAM(S)</b>			<b>COMMUNITY COLLEGE PROGRAM(S)</b>		<b>UNIVERSITY PROGRAM(S)</b>		
	Nursing Assistant (Long-Term Care) H170602 Practical Nursing H170605			Associate in Science Degree (AS Nursing)		Bachelor of Science Nursing		
<b>CAREER</b>	<b>SAMPLE CAREER SPECIALTIES</b> (The Targeted Occupations List may be used to identify appropriate careers.)							
	Licensed Practical Nurse			Registered Nurse		Registered Nurse		
<b>CREDIT</b>	<b>ARTICULATION AND CTE DUAL ENROLLMENT OPPORTUNITIES</b>							
	<b>Secondary to Technical Center (PSAV)</b> (minimum # of clock hours awarded)			<b>Secondary to College Credit Certificate or Degree</b> (minimum # of clock or credit hours awarded)		<b>PSAV/PSV to AAS or AS to BS or BAS</b> (statewide and other local agreements may be included here)		
	165			165 clock hours toward LPN program		N/A		
<b>Career and Technical Student Organization</b>								
<b>HOSA: Future Health Professionals</b>								
<b>Internship/Work Experience Recommendations</b>								
Clinical instruction of nursing students will meet the requirements of Florida Statute 464.019. Clinical experience must make up or least 50% of the total program.								

Career Cluster: Health Sciences					CTE Program: Practical Nursing - 8418300			
Career Cluster Pathway: Therapeutic Services					Industry Certification: Licensed Practical Nurse - LPN			
	<b>16 CORE CURRICULUM CREDITS</b>					<b>8 ADDITIONAL CREDITS</b>		
	<b>ENGLISH</b> 4 credits	<b>MATH</b> 4 credits	<b>SCIENCE</b> 3 credits, 2 with lab	<b>SOCIAL STUDIES</b> 3 credits	<b>OTHER REQUIRED COURSES</b> FINE ARTS or Approved PRACTICAL ARTS (1 credit) PHYSICAL EDUCATION (1 credit)	<b>CAREER AND TECHNICAL EDUCATION COURSES</b>	<b>RECOMMENDED ELECTIVES</b> (Aligned with State University System Admissions)	
Career Cluster of interest identified by students enrolled in required middle school career education course that includes interest assessment and career exploration through CHOICES and ePersonal Education Planner through FACTS.org.								
<b>HIGH SCHOOL</b>	9	English I or H	Algebra 1 or H, or Geometry or H	Physical Science or Biology	Geography (elective)	Practical Arts or Fine Arts course (1 credit)	Foreign Language for SUS admission or other elective appropriate for student's career and education plan.	
	10	English 2 or H	Geometry or H, or Algebra 2 or H	Chemistry or Physics	World History or H	HOPE (1 credit)	Foreign Language for SUS admission or other elective appropriate for student's career and education plan.	
	11	English 3 or H	Liberal Arts or Algebra 2 or H	1 "equally rigorous" science	US History or H		Practical Nursing 1-4 Other elective course appropriate for student's career and education plan.	
	12	English 4 or H	Algebra 2, Pre Calculus, Math for College Readiness or higher		Economics (.5) American Government (.5)	Practical Nursing 9	Practical Nursing 5-8 Other elective course appropriate for student's career and education plan.	
Dual enrollment courses may be used to satisfy high school graduation or Bright Futures Gold Seal Vocational Scholars course requirements - see the Articulation Coordinating Committee's Dual Enrollment Equivalency List and the Bright Futures Comprehensive Course Table.								
<b>POSTSECONDARY</b>	Secondary career and technical education programs may lead to industry recognized certificates, occupational opportunities or postsecondary education options. Based on the Career Cluster of interest and identified career and technical education program, the following postsecondary options are available.							
	<b>TECHNICAL CENTER PROGRAM(S)</b>		<b>COMMUNITY COLLEGE PROGRAM(S)</b>			<b>UNIVERSITY PROGRAM(S)</b>		
	Practical Nursing H170605		Associate in Science Degree (AS Nursing)			Bachelor of Science Nursing		
<b>CAREER</b>	<b>SAMPLE CAREER SPECIALTIES</b> (The Targeted Occupations List may be used to identify appropriate careers.)							
	Licensed Practical Nurse			Registered Nurse			Registered Nurse	
<b>CREDIT</b>	<b>ARTICULATION AND CTE DUAL ENROLLMENT OPPORTUNITIES</b>							
	<b>Secondary to Technical Center (PSAV)</b> (minimum # of clock hours awarded)		<b>Secondary to College Credit Certificate or Degree</b> (minimum # of clock or credit hours awarded)			<b>PSAV/PSV to AAS or AS to BS or BAS</b> (statewide and other local agreements may be included here)		
	450 hours		10 credit hours			N/A		
<b>Career and Technical Student Organization</b>								
<b>HOSA: Future Health Professionals</b>								
<b>Internship/Work Experience Recommendations</b>								
Clinical instruction of nursing students will meet the requirements of Florida Statute 464.019. Clinical experience must make up or least 50% of the total program.								

Career Cluster: Engineering & Technology Education CTE Program: Technical Design (8401000)

Career Cluster Pathway: Design/Pre-Construction Industry Certification: Autodesk AutoCAD

	16 CORE CURRICULUM CREDITS					8 ADDITIONAL CREDITS	
	<b>ENGLISH</b> 4 credits	<b>MATH</b> 4 credits	<b>SCIENCE</b> 3 credits, 2 with lab	<b>SOCIAL STUDIES</b> 3 credits	<b>OTHER REQUIRED COURSES</b> FINE ARTS or Approved PRACTICAL ARTS (1 credit) PHYSICAL EDUCATION (1 credit)	<b>CAREER AND TECHNICAL EDUCATION COURSES</b>	<b>RECOMMENDED ELECTIVES</b> (Aligned with State University System Admissions)

Career Cluster of interest identified by students enrolled in required middle school career education course that includes interest assessment and career exploration through CHOICES and ePersonal Education Planner through FACTS.org.

<b>HIGH SCHOOL</b>	9	English I or H	Algebra 1 or H, or Geometry or H	Physical Science or Biology	Geography (elective)	Practical Arts or Fine Arts course (1 credit)	Technical Design 1	Foreign Language for SUS admission or other elective appropriate for student's career and education plan.
	10	English 2 or H	Geometry or H, or Algebra 2 or H	Chemistry or Physics	World History or H	HOPE (1 credit)	Technical Design 2	Foreign Language for SUS admission or other elective appropriate for student's career and education plan.
	11	English 3 or H	Liberal Arts or Algebra 2 or H	1 "equally rigorous" science	US History or H		Technical Design 3	Other elective course appropriate for student's career and education plan.
	12	English 4 or H	Algebra 2, Pre Calculus, Math for College Readiness or higher		Economics (.5) American Government (.5)	Work-Based Experience	Advanced Technology Applications	Other elective course appropriate for student's career and education plan.

Dual enrollment courses may be used to satisfy high school graduation or Bright Futures Gold Seal Vocational Scholars course requirements - see the Articulation Coordinating Committee's Dual Enrollment Equivalency List and the Bright Futures Comprehensive Course Table.

<b>POSTSECONDARY</b>	Secondary career and technical education programs may lead to industry recognized certificates, occupational opportunities or postsecondary education options. Based on the Career Cluster of interest and identified career and technical education program, the following postsecondary options are available.		
	<b>TECHNICAL CENTER PROGRAM(S)</b>	<b>COMMUNITY COLLEGE PROGRAM(S)</b>	<b>UNIVERSITY PROGRAM(S)</b>
	Drafting PSAV (C100200) 1500 hours	Construction Management Technology Engineering Technology,	

<b>CAREER</b>	SAMPLE CAREER SPECIALTIES (The Targeted Occupations List may be used to identify appropriate careers.)		
	Blueprint Reader, Drafting Assistant, Drafting Detailer, Mechanical Drafter, Electronics Drafter	Architectural Drafter, Civil Drafter, Mechanical Drafter, Structural Drafter, Project Manager, Chief Design Drafter	Architect, Engineer, Construction Manager, Cost Estimator, Interior Designer


<b>CREDIT</b>	ARTICULATION AND CTE DUAL ENROLLMENT OPPORTUNITIES		
	<b>Secondary to Technical Center (PSAV)</b> (minimum # of clock hours awarded)	<b>Secondary to College Credit Certificate or Degree</b> (minimum # of clock or credit hours awarded)	<b>PSAV/PSV to AAS or AS to BS or BAS</b> (statewide and other local agreements may be included here)
	None available at this time	State College of Florida Articulation Agreement EIT 1701 Industrial Safety - 3 credits 1320 Introduction to AutoCAD	Statewide Articulation Agreement Autodesk Certified Associate - AutoCAD articulates to 3 hours of credit to AAS/AS degree in Drafting and Design Technology

**A**

Florida Technology Student Association


Internship/Work Experience Recommendations

Work, intern, volunteer or shadow in local construction or architecture firms

Information Technology					Technology Support Services				
Career Cluster Pathway: Network Systems					Industry Certification: Microsoft Office Specialist, MTA Windows OS Fundamentals, CompTIA A+				
	<b>16 CORE CURRICULUM CREDITS</b>					<b>8 ADDITIONAL CREDITS</b>			
	<b>ENGLISH</b> 4 credits	<b>MATH</b> 4 credits	<b>SCIENCE</b> 3 credits, 2 with lab	<b>SOCIAL STUDIES</b> 3 credits	<b>OTHER REQUIRED COURSES</b> FINE ARTS or Approved PRACTICAL ARTS (1 credit) PHYSICAL EDUCATION (1 credit)	<b>CAREER AND TECHNICAL EDUCATION COURSES</b>	<b>RECOMMENDED ELECTIVES</b> (Aligned with State University System Admissions)		
Career Cluster of interest identified by students enrolled in required middle school career education course that includes interest assessment and career exploration through CHOICES and ePersonal Education Planner through FACTS.org.									
<b>HIGH SCHOOL</b>	9	English I or H	Algebra 1 or H, or Geometry or H	Physical Science or Biology	Geography (elective)	Practical Arts or Fine Arts course (1 credit)	Introduction to Information Technology	Foreign language for SUS admission of other elective appropriate for student's career and education plan.	
	10	English 2 or H	Geometry or H, or Algebra 2 or H	Chemistry or Physics	World History or H	HOPE (1 credit)	Technology Support Services-Client Systems	Foreign language for SUS admission of other elective appropriate for student's career and education plan.	
	11	English 3 or H	Liberal Arts or Algebra 2 or H	1 "equally rigorous" science	US History or H		Technology Support Services-Network Systems	Foreign language for SUS admission of other elective appropriate for student's career and education plan.	
	12	English 4 or H	Algebra 2, Pre Calculus, Math for College Readiness or higher		Economics (.5) American Government (.5)	Information Technology Directed Study	Technology Support Services-Specialized Technologies	Foreign language for SUS admission of other elective appropriate for student's career and education plan.	
Dual enrollment courses may be used to satisfy high school graduation or Bright Futures Gold Seal Vocational Scholars course requirements - see the Articulation Coordinating Committee's Dual Enrollment Equivalency List and the Bright Futures Comprehensive Course Table.									
<b>POSTSECONDARY</b>	Secondary career and technical education programs may lead to industry recognized certificates, occupational opportunities or postsecondary education options. Based on the Career Cluster of interest and identified career and technical education program, the following postsecondary options are available.								
	<b>TECHNICAL CENTER PROGRAM(S)</b>		<b>STATE COLLEGE PROGRAM(S)</b>			<b>UNIVERSITY PROGRAM(S)</b>			
	Computer Support Services Assistance		Computer	Computer Programming Technology Computer Engineering Technology Networking Services Technology Computer Information Technology			Business Administration		
<b>CAREER</b>	<b>SAMPLE CAREER SPECIALTIES</b> (The Targeted Occupations List may be used to identify appropriate careers.)								
	Information Technology Assistant Desk Support Assistant		Help	Supervisor/Manager Trainee desk Specialist			Help	Help Desk Analyst Help Desk Manager	
<b>CREDIT</b>	<b>ARTICULATION AND CTE DUAL ENROLLMENT OPPORTUNITIES</b>								
	<b>Secondary to Technical Center (PSAV)</b> (minimum # of clock hours awarded)			<b>Secondary to College Credit Certificate or Degree</b> (minimum # of clock or credit hours awarded) CGS 1000 Computer Informatin Systems - 3 credits CTS1150 Microcomputer Hardware & Maintenance - 3 credits			<b>PSAV/PSV to AAS or AS to BS or BAS</b> (statewide and other local agreements may be included here) Comptia A+ Articulates to 3 hours of Credit toward Computer Informatin Technology AAS/AS Degree or 6 credits toward Computer Engineering Technology		
<b>Career and Technical Student Organization</b>									
<b>FBLA, BPA</b>									
<b>Internship/Work Experience Recommendations</b>									

Career Cluster: Agribusiness, Food and Natural Resources CTE Program: Veterinary Assisting - 8115110

Career Cluster Pathway: Animal Systems Industry Certification: Certified Veterinary Assistant

	16 CORE CURRICULUM CREDITS					8 ADDITIONAL CREDITS	
	<b>ENGLISH</b> 4 credits	<b>MATH</b> 4 credits	<b>SCIENCE</b> 3 credits, 2 with lab	<b>SOCIAL STUDIES</b> 3 credits	<b>OTHER REQUIRED COURSES</b> FINE ARTS or Approved PRACTICAL ARTS (1 credit) PHYSICAL EDUCATION (1 credit)	<b>CAREER AND TECHNICAL EDUCATION COURSES</b>	<b>RECOMMENDED ELECTIVES</b> (Aligned with State University System Admissions)

Career Cluster of interest identified by students enrolled in required middle school career education course that includes interest assessment and career exploration through CHOICES and ePersonal Education Planner through FACTS.org.

<b>HIGH SCHOOL</b>	9	English I or H	Algebra 1 or H, or Geometry or H	Physical Science or Biology	Geography (elective)	Practical Arts or Fine Arts course (1 credit)	Foreign Language for SUS admission or other elective appropriate for student's career and education plan.
	10	English 2 or H	Geometry or H, or Algebra 2 or H	Chemistry or Physics	World History or H	HOPE (1 credit)	Foreign Language for SUS admission or other elective appropriate for student's career and education plan.
	11	English 3 or H	Liberal Arts or Algebra 2 or H	1 "equally rigorous" science	US History or H		Veterinary Assisting 1 Veterinary Assisting 2 Veterinary Assisting 3 Veterinary Assisting 4 Other elective course appropriate for student's career and education plan.
	12	English 4 or H	Algebra 2, Pre Calculus, Math for College Readiness or higher		Economics (.5) American Government (.5)		Veterinary Assisting 5 Agriculture, Food & Natural Resources Education Directed Study Other elective course appropriate for student's career and education plan.

Dual enrollment courses may be used to satisfy high school graduation or Bright Futures Gold Seal Vocational Scholars course requirements - see the Articulation Coordinating Committee's Dual Enrollment Equivalency List and the Bright Futures Comprehensive Course Table.

Secondary career and technical education programs may lead to industry recognized certificates, occupational opportunities or postsecondary education options. Based on the Career Cluster of interest and identified career and technical education program, the following postsecondary options are available.

<b>POSTSECONDARY</b>	TECHNICAL CENTER PROGRAM(S)	COMMUNITY COLLEGE PROGRAM(S)	UNIVERSITY PROGRAM(S)
	None available at this time	Veterinary Technician, Veterinary Technology	Animal Science, Veterinary Medicine Sciences, Veterinary Medicine Doctorate, Animal Biotechnologist, Livestock Geneticists, Animal Nutritionist


<b>CAREER</b>	SAMPLE CAREER SPECIALTIES (The Targeted Occupations List may be used to identify appropriate careers.)		
	Veterinary Assistant, Livestock, Buyers, Livestock Producer	Veterinary Technician, Livestock buyer, Livestock producer, Pet shop operator, Aquaculturalist, Dairy producer	Agriculture Education, Veterinary Medicine Doctorate, Animal scientist, Animal nutritionist, Livestock geneticists, wildlife biologists, Zoologist

<b>CREDIT</b>	ARTICULATION AND CTE DUAL ENROLLMENT OPPORTUNITIES		
	Secondary to Technical Center (PSAV) (minimum # of clock hours awarded)	Secondary to College Credit Certificate or Degree (minimum # of clock or credit hours awarded)	PSAV/PSV to AAS or AS to BS or BAS (statewide and other local agreements may be included here)
	None available at this time	Tampa Bay Career Pathways Consortium St. Petersburg College - Veterinary Technology 2 credits	None available at this time

Career and Technical Student Organization

Future Farmers of America

Internship/Work Experience Recommendations

Career Cluster: Information Technology				Secondary CTE Program: Web Development				
Career Cluster Pathway: Information Support Services				Industry Certification: Microsoft Office Specialist, Adobe Certified Associate (Dreamweaver and Flash)				
	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 or Approved PRACTICAL ARTS (1 credit) PHYSICAL EDUCATION (1 credit)	CAREER AND TECHNICAL EDUCATION COURSES	RECOMMENDED ELECTIVES (Aligned with State University System Admissions)	
Career Cluster of interest identified by students enrolled in required middle school career education course that includes interest assessment and career exploration through CHOICES and ePersonal Education Planner through FACTS.org.								
HIGH SCHOOL	9	English I or H	Algebra 1 or H, or Geometry or H	Physical Science or		Practical Arts or Fine Arts course (1 credit)	Introduction to Information Technology	Foreign Language for SUS admission or other elective appropriate for student's career and education plan.
	10	English 2 or H	Geometry or H, or Algebra 2 or H	Biology	World History	HOPE (1 credit)	Foundations of Web Design	Foreign Language for SUS admission or other elective appropriate for student's career and education plan.
	11	English 3 or H or AP Language	Algebra 2 or H	Chemistry	American History		User Interface Designs	Other elective course appropriate for student's career and education plan.
	12	English 4 or H, or AP Literature	Trig/Analytical Geometry or Calculus, H or AP	Physics	Economics American Government	Business Education Directed Study	Web Scripting Fundamentals	Other elective course appropriate for student's career and education plan.
Dual enrollment courses may be used to satisfy high school graduation or Bright Futures Gold Seal Vocational Scholars course requirements - see the Articulation 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 options. Based on the Career Cluster of interest and identified career and technical education program, the following postsecondary options are available.							
	TECHNICAL CENTER PROGRAM(S)  Web Design B070500		STATE COLLEGE PROGRAM(S)  Computer Information Administrator Computer Information Technology option Digital Multimedia, Internet Services Technoogy			University Programs		
CAREER	SAMPLE CAREER SPECIALTIES (The Targeted Occupations List may be used to identify appropriate careers.)							
	Information Technology Assistant		Web Designer , Web Layout Artist			Senior Web Designer Webmaster		
CREDIT	ARTICULATION AND CTE DUAL ENROLLMENT OPPORTUNITIES							
	Secondary to Technical Center (PSAV) (minimum # of clock hours awarded)		Secondary to College Credit Certificate or Degree (minimum # of clock or credit hours awarded) Computer Information Technology at State College of Florida - 6 credits			PSAV/PSV to AAS or AS to BS or BAS (statewide and other local agreements may be included here)		
Career and Technical Student Organization								
Future Business Leaders of America								
Internship/Work Experience Recommendations								