

HIGH SCHOOL CAREER EDUCATION


PROGRAMS OF STUDY



Career Academies of St. Johns

Experience. The Difference.

Eligible Recipient: Grade 9-12


		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	CAREER AND TECHNICAL EDUCATION COURSES	RECOMMENDED ELECTIVES (Aligned with State University System Admissions)
						Fine or Practical Arts (1 cdt) Physical Education (1 cdt)		
		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 1 or English 1 Honors	Math	Physical Science or Biology Honors	World Geography or AP Human Geography	Hope	Finance & Business Technology	Dual Enrollment Classes offered before school thru St. Johns River State College
	10	English 2 or English 2 Honors	Math	Science	World History or World History Honors or AP World History	FINE or PRACTICAL ARTS (1 cdt)	Accounting Applications 1	
	11	English 3 or English 3 Honors or AP Language	Math	Science	American History or AP American History	Elective	Financial Operations or AP Macro/Micro Economics	1) Business Law 1 2) Personal Finance
	12	English 4 or English 4 Honors or AP Literature	Math	Science or Economics	AP American Government or AP Economics	AP Economics	Personal & Financial Planning	3)Micro Appl Software 4)Intro to Business
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) Business; Marketing; Accounting; Finance			UNIVERSITY PROGRAM(S) Business Administration; Finance; International Business; Economics; Management, Marketing	
CAREER	SAMPLE CAREER SPECIALTIES (The Targeted Occupations List may be used to identify appropriate careers.)							
	Bank Teller, Auditing or Billing Clerks Accounting Paraprofessionals, Bookkeepers			Accountant, Auditor, Business Operations Specialist Public Relations Specialist, Database technician			Database Administrators, Financial Analysts, Sales Managers, Financial Advisors, Purchasing Agents, Marketing Managers, Operations Managers, Financial Officers	
CREDIT	ARTICULATION AND CTE DUAL ENROLLMENT OPPORTUNITIES							
	Secondary to Technical Center (PSAV)			Secondary to College Credit Certificate or Degree St. Johns River State College; Florida State College of Jacksonville			PSAV/PSV to AAS or AS to BS or BAS UNF, JU, UF, FSU, UCF	
Possible Industry Certifications (Students):								
Secondary:		Microsoft Office Specialist (MOS) in Word, PowerPoint, Excel, and Access						
Postsecondary:		Series 7 license as Financial Planner						

Career Academy: Academy of Design and Building Construction

Secondary CTE Program: Architectural Drafting Program #: 8725000

Career Cluster Pathway: Architecture & Construction

Eligible Recipient: Grade 9-12

		16 CORE CURRICULUM CREDITS					8 ADDITIONAL CREDITS	
		ENGLISH	MATH	SCIENCE	SOCIAL STUDIES	OTHER REQUIRED COURSES	CAREER AND TECHNICAL EDUCATION COURSES	RECOMMENDED ELECTIVES (Aligned with State University System Admissions)
						FINE or PRACTICAL ARTS (1 cdt)		
						PHYSICAL EDUCATION (1 cdt)		
		4 credits	4 credits	4 credits, 2 with lab	3 credits		Major Area of Interest:	
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 1 or English 1 Honors	Math	Physical Science or Biology Honors	World Geography or AP Human History	Hope	Drafting 1	Dual Enrollment Classes offered before school thru St. Johns River State College
	10	English 2 or English 2 Honors	Math	Science	World History or World History Honors or AP World History	FINE or PRACTICAL ARTS (1 cdt)	Drafting 2	
	11	English 3 or English 3 Honors or AP Language	Math	Science	American History or AP American History	Elective	Drafting 3	Intro to Building Const MicroApplication Software Constr Materials & Methods
	12	English 4 or English 4 Honors or AP Literature	Math	Science or Economics	AP American Government or Economics	Elective	Drafting 4	
	Building & Zoning Codes (On-line)							
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)	
	Northeast Florida Builders Association - Apprenticeship Program			Industrial Management; Building Construction Management; Architectural Design & Construction Technology; Geographic Information System			Construction Management, Engineering	
CAREER	SAMPLE CAREER SPECIALTIES (The Targeted Occupations List may be used to identify appropriate careers.)							
	CAD Design, Building, Construction			Industrial Manager, AutoCAD or GIS technician Building Construction Manager			Civil Engineer, Construction Management, Urban Planner, Architect, Project Manager	
CREDIT	ARTICULATION AND CTE DUAL ENROLLMENT OPPORTUNITIES							
	Secondary to Technical Center (PSAV)			Secondary to College Credit Certificate or Degree			PSAV/PSV to AAS or AS to BS or BAS	
	First Coast Technical Center			St. Johns River State College; Florida State College of Jacksonville			Florida State University, University of Florida, International Academy of Design & Technology, University of North Florida	

Possible Industry Certifications (Students):


Secondary: AutoDesk Certified User (AutoCAD), Chief Architect
Postsecondary: AutoDesk Certified Associate or Professional (AutoCAD)

Career Academy: VyStar Academy of Business and Finance

Secondary CTE Program: Entrepreneurship Program... 8812100

Career Cluster: Marketing

Eligible Recipient: Grade 9-12

		16 CORE CURRICULUM CREDITS					8 ADDITIONAL CREDITS	
		ENGLISH	MATH	SCIENCE	SOCIAL STUDIES	OTHER REQUIRED COURSES	CAREER AND TECHNICAL EDUCATION COURSES	RECOMMENDED ELECTIVES (Aligned with State University System Admissions)
						FINE or PRACTICAL ARTS (1 cdt)	Major Area of Interest:	
						PHYSICAL EDUCATION (1 cdt)		
		4 credits	4 credits	3 credits, 2 with lab	3 credits			
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 1 or English 1 Honors	Math	Physical Science or Biology Honors	World Geography or AP Human History	Hope	Finance & Business Technology	Dual Enrollment Classes offered before school thru St. Johns River State College
	10	English 2 or English 2 Honors	Math	Science	World History or World History Honors or AP World History	FINE or PRACTICAL ARTS (1 cdt)	Principles of Entrepreneurship	
	11	English 3 or English 3 Honors or AP Language	Math	Science	American History or AP American History	Elective	Business Management & Law	1) Business Law 1 2) Personal Finance
	12	English 4 or English 4 Honors or AP Literature	Math	Science or Economics	AP American Government or AP Economics	Elective or Economics	Business Ownership	3)Micro Appl Software 4)Intro to Business
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)	
				Business; Marketing; Accounting; Finance			Business Administration; Finance; International Business; Economics; Management, Marketing	
CAREER	SAMPLE CAREER SPECIALTIES (The Targeted Occupations List may be used to identify appropriate careers.)							
				Accountant, Auditor, Business Operations Specialist, Public Relations Specialist, Database technician; Bank Teller, Auditing or Billing Clerks, Accounting Paraprofessionals, Bookkeepers			Business Owners; Financial Managers; Sales Managers; Marketing or Public Relations Managers; Business Officers	
CREDIT	ARTICULATION AND CTE DUAL ENROLLMENT OPPORTUNITIES							
	Secondary to Technical Center (PSAV)			Secondary to College Credit Certificate or Degree			PSAV/PSV to AAS or AS to BS or BAS	
				St. Johns River State College; Florida State College of Jacksonville			UNF, JU, UF, FSU, UCF	

*Possible Industry Certifications (Students):

Secondary: Microsoft Office Specialist (MOS) in Word, PowerPoint, Excel, and Access


Postsecondary:

Career Academy: Academy of Design and Building Construction

Secondary CTE Program: Interior Design (6306000) / Fashion Design (6306400)

Career Cluster: Arts, AV Technology and Communications

Eligible Recipient: Grade 9-12

		16 CORE CURRICULUM CREDITS					8 ADDITIONAL CREDITS	
		ENGLISH	MATH	SCIENCE	SOCIAL STUDIES	OTHER REQUIRED COURSES	CAREER AND TECHNICAL EDUCATION COURSES	RECOMMENDED ELECTIVES (Aligned with State University System Admissions)
						FINE or PRACTICAL ARTS (1 cdt)	Major Area of Interest:	
		4 credits	4 credits	3 credits, 2 with lab	3 credits	PHYSICAL EDUCATION (1 cdt)		
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 1 or English 1 Honors	Math	Physical Science or Biology Honors	World Geography or AP Human History	Hope	Design Services Core	Elective or Foreign Language
	10	English 2 or English 2 Honors	Math	Science	World History or World History Honors or AP World History	FINE or PRACTICAL ARTS (1 cdt)	Principles of Interior Design Principles of Fashion Design	Drafting 1
	11	English 3 or English 3 Honors or AP Language	Math	Science	American History or AP American History	Elective	Interior Design Techniques Pattern Design Techniques	Dual Enrollment offered on-line thru FSCJ
	12	English 4 or English 4 Honors or AP Literature	Math	Science or Economics	AP American Government or AP Economics	Elective or Economics	Interior Design Specialist Pattern Design Specialist	Principles of Interior Design History of Interiors I
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)	
			Interior Design Technology; Costume Design; Stage Management			Fine Arts, Graphic Design, Advertising Design, Global Fashion Management, Interior Design, Fashion Merchandising		
CAREER	SAMPLE CAREER SPECIALTIES (The Targeted Occupations List may be used to identify appropriate careers.)							
				Buyer, Fashion Merchandiser, Graphic Designer			Interior Designer	
CREDIT	ARTICULATION AND CTE DUAL ENROLLMENT OPPORTUNITIES							
	Secondary to Technical Center (PSAV)			Secondary to College Credit Certificate or Degree			PSAV/PSV to AAS or AS to BS or BAS	
			St. Johns River State College; Florida State College of Jax			University of Florida, Florida State University, Keiser University		

*Possible Industry Certifications (Students):

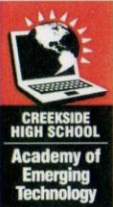
Secondary: Chief Architect
Postsecondary: Interior Design

Career Academy Academy of Emerging Technology

Secondary CTE Program: New Media Technology (8207400)
Network Support (8208000)

Career Cluster Information Technology

Eligible Recipient: 9-12

	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	CAREER AND TECHNICAL EDUCATION COURSES	RECOMMENDED ELECTIVES (Aligned with State University System Admissions)	
					Fine or Practical Arts (1 cdt) Physical Education (1 cdt)			Major Area of Interest:
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 1 or English Honors 1	Math	Physical Science or Biology Honors	World Geography	HOPE	Comp for Colleges and Careers	Elective/TV Production or Foreign Language
	10	English 2 or English Honors 2	Math	Biology or Chemistry Honors	World History or World History Honors	FINE ARTS	New Media & Imaging or Networking 1	Elective/TV Production or Foreign Language
	11	English 3/honors or AP English	Math	Science	American History or AP American History	Elective/Dual Enrollment	Digital Video & Sound or Networking 2	Elective/TV Production or Foreign Language
	12	English 4/honors or AP English	Math	Science	Govt. / Economics or AP Govt. / Economics	Elective/Dual Enrollment	Web Design I or Networking 3	Elective/TV Production or Foreign Language
	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) Help desk support		COMMUNITY COLLEGE PROGRAM(S) Digital Media/ Multitmedia Technology (Digital/Multimedia Video or Graphic Design Production), Theatre and Entertainment Technology; Communications			UNIVERSITY PROGRAM(S) Computer Engineering, Graphic Design, New Media and Computer Graphics		
CAREER	SAMPLE CAREER SPECIALTIES (The Targeted)							
	Occupations List may be used to identify appropriate careers.)							
	Help desk specialist, computer repair specialist		Digital Media Specialist; Multitmedia Technician; Graphic Designer			Computer Engineer, Information Technology Manager; Communications Manager; Design Specialist		
CREDIT	ARTICULATION AND CTE DUAL ENROLLMENT OPPORTUNITIES							
	Secondary to Technical Center (PSAV) FCCJ; St. Johns River Community College		Secondary to College Credit Certificate or Degree FCCJ, St. Johns River Community College			PSAV/PSV to AAS or AS to BS or BAS UNF, UF, FSU		

Possible Industry Certifications (Students):

Secondary:

Apple Professional's Final Cut Pro, CISCO

Postsecondary:


Career Academy: Environmental and Urban Planning

Secondary CTE Program: Land Resources Technology/Civil Engineering Aide

Career Cluster: Agriscience, Food & Natural Resources/Architecture & Construction

Eligible Recipient: Grades 9-12

8913000/8915000

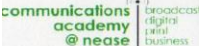
	16 CORE CURRICULUM CREDITS					8 ADDITIONAL CREDITS		
	ENGLISH	MATH	SCIENCE	SOCIAL STUDIES	OTHER REQUIRED COURSES	CAREER AND TECHNICAL EDUCATION COURSES	RECOMMENDED ELECTIVES (Aligned with State University System Admissions)	
					PHYSICAL EDUCATION (1 cdt)			
	4 credits	4 credits	4 credits, 2 with lab	3 credits	FINE ARTS (1 cdt)	Major Area of Interest:		
	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 1 or English Honors 1	Math	Physical Science or Biology Honors	World Geography	HOPE	Intro to Env. Tech Civil Engineer 1	Elective or Foreign Language
	10	English 2 or English Honors 2	Math	Biology or Chemistry Honors	World History or World History Honors	FINE ARTS	Enviro Tech 2 Civil Engineer 2	Elective or Foreign Language
	11	English 3/Honors or AP English	Math	Ecology/Enviro. Or other Science	American History or AP American History	Elective/Dual Enrollment	Land Resources 3 Civil Engineer 3	Elective or Foreign Language
	12	English 4/Honors or AP English	Math	Science	Govt. / Economics/ Honors or AP Govt. / Economics	Elective/Dual Enrollment	Land Resources 4 Civil Engineer 4	Elective or Foreign Language
	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)		
			Environmental Sciences; National Resource Conservation; Soil and Water Science; Building Construction Management			Civil Engineering; (Construction Engineering, Geotechnical, Structural, Transportation) Industrial Management; Environmental Management; Urban Planning		
CAREER	SAMPLE CAREER SPECIALTIES							
	Targeted Occupations List may be used to identify appropriate careers.)							
			GPS Data technician; Environmental technician; GIS Analyst; LEED certified technician; water quality technician			Hydrogeologist; Enviromental Engineer; Civil, Electrical, Mechanical or Coastal Engineer		
CREDIT	ARTICULATION AND CTE DUAL ENROLLMENT OPPORTUNITIES							
	Secondary to Technical Center (PSAV)		Secondary to College Credit Certificate or Degree			PSAV/PSV to AAS or AS to BS or BAS		
			St. Johns River Community College FCCJ			University of North Florida; University of Florida; Florida State University; University of Central Florida		

Possible Industry Certifications (Students):

Secondary: LEED, AutoCAD, water quality technician
 Postsecondary: LEED, AutoCAD, GPS

Career Academy: Communications Academy @ Nease
Career Cluster Pathway: Arts, AV Technology & Communications

Eligible Recipient: Grade 9-12 8209600/8772100

	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	CAREER AND TECHNICAL EDUCATION COURSES	RECOMMENDED ELECTIVES (Aligned with State University System Admissions)	
					Fine or Practical Arts (1 cdt)			
					Physical Education (1 cdt)	Major Area of Interest:		
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 English I Honors	Algebra I or Geometry	Physical Science/Biology	World History or World History Honors	HOPE	Digital Design or Television Production (4 courses in each strand.)	Elective or Foreign Language (I, II, III, IV)
	10	English II or English II Honors	Geometry or Algebra II	Biology	World History or World History Honors	Fine or Practical Arts		
	11	English III or AP English	Algebra II or PreCalculus	Chemistry	American History	Elective		
	12	English IV/Honors or AP English Lit	PreCalculus or AP Calc	Physics	Economics/American Government	Digital Design, TV Production or an Internship		
	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) Digital Design, Graphic Arts, Television Production		COMMUNITY COLLEGE PROGRAM(S) Marketing Operations (certificate); Marketing (AS), Digital Media/Multimedia Technology (A.S.), Graphic Design Production (technical certificate), Digital Media/Multimedia Production (technical certificate), Digital Media/Multimedia Video Production (technical certificate)			UNIVERSITY PROGRAM(S) Communications (BS) emphasis in Advertising, Electronic Media, TV Production, Graphic Design		
CAREER	SAMPLE CAREER SPECIALTIES				(The Targeted Occupations List may be used to identify appropriate careers.)			
	Graphic Artist, Commercial Artist , Camera Person, Video Editor		Marketing Operations (certificate); Marketing (AS), Digital Media/Multimedia Technology (A.S.), Graphic Design Production (technical certificate)			Advertising or Marketing Director, Digital Media or Multimedia Production		
CREDIT	ARTICULATION AND CTE DUAL ENROLLMENT OPPORTUNITIES							
	First Coast Technical College		Secondary to College Credit Certificate or Degree St. Johns River State College Florida State College-Jacksonville			PSAV/PSV to AAS or AS to BS or BAS University of North Florida, Jacksonville University, University of Florida		
*Possible Industry Certifications (Students):								
Secondary:		Apple Professional, Adobe Final Cut Pro, Photoshop						
Postsecondary:		Apple Professional, Adobe Suite						

* Students must remain in one area of concentration for at least three years to earn the Bright Futures Gold Seal Vocational Scholarship.

Shaded boxes are required academy cohorts classes.


Non-shaded boxes are general courses outside of the academy. Students may select various levels of academic courses which include advanced placement, honors, dual enrollment, and standards level classes. Students are encouraged to enroll in rigorous and challenging academic courses to prepare for college and a career. A dual enrollment course in English Composition through St. Johns River State College is offered at Nease. Other dual enrollment courses may be taken at the colleges themselves. See your guidance counselor for details.

Career Cluster: **Stellar Academy of Engineering**

Secondary CTE Program: Architectural Drafting (8725400)

Career Cluster Pathway: Science, Technology, Engineering and Math

Eligible Recipient: Grades 9-12

 STELLAR ACADEMY OF ENGINEERING <small>AT NEASE HIGH SCHOOL</small>		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	CAREER AND TECHNICAL EDUCATION COURSES	RECOMMENDED ELECTIVES (Aligned with State University System Admissions)
						Fine or Practical Arts (1 cdt) Physical Education (1 cdt)		
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 English I Honors	Algebra I or Geometry	Physical Science/Biology	World History or World History Honors	HOPE	Drafting 1*	Elective or Foreign Language (I, II, III, IV)
	10	English II or English II Honors	Geometry or Algebra II	Biology	World History	Fine or Practical Arts	Drafting 2*	Elective or Foreign Language (I, II, III, IV)
	11	English III or AP English	Algebra II or PreCalculus	Chemistry	American History	Elective or Foreign Language	Drafting 3*	Elective or Foreign Language (I, II, III, IV)
	12	English IV/Honors or AP English Lit	PreCalculus or AP Calc	Physics	Economics/American Government	Elective or Foreign Language	Drafting 4*	Elective or Foreign Language (I, II, III, IV)
	ARTICULATION AND CTE DUAL ENROLLMENT OPPORTUNITIES							
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) Drafting, Carpentry; Electrical; Heating and Air Conditioning; Masonry			COMMUNITY COLLEGE PROGRAM(S) Architectural Design and Construction Technology; Drafting; Industrial Management Technology			UNIVERSITY PROGRAM(S) Building Construction Management, Engineering, Urban Planning, Industrial Mgmt, Architectural Engineering, Aerospace, Civil, or Mechanical Engineering	
CAREER	SAMPLE CAREER SPECIALTIES (The Targeted Occupations List may be used to identify appropriate careers.)							
	Draftsman, Carpenter; Electrician; Heating and Air Conditioning, Mason			Architectural Engineering Assistant, AutoCAD Technician			Engineer	
CREDIT	ARTICULATION AND CTE DUAL ENROLLMENT OPPORTUNITIES							
	First Coast Technical College			Secondary to College Credit Certificate or Degree St. Johns River State College Florida State College-Jacksonville			PSAV/PSV to AAS or AS to BS or BAS University of North Florida, Jacksonville University, University of Florida	
*Possible Industry Certifications (Students):								
Secondary:		AutoDesk, AutoCAD						
Postsecondary:		AutoDesk, AutoCAD						

* Students must remain in one area of concentration for at least three years to earn the Bright Futures Gold Seal Vocational Scholarship.

Shaded boxes are required academy cohorts classes.

Non-shaded boxes are general courses outside of the academy. Students may select various levels of academic courses which included advanced placement, honors, dual enrollment, and standards level classes. Students are encouraged to enroll in rigorous and challenging academic course to prepare for college and a career. Dual enrollment courses in English Composition through St. Johns River State College and Engineering I through University of North Florida are offered at Nease. Student may also take other dual enrollment courses at the colleges themselves. Students must meet the dual enrollment criteria to take advantage of these courses. See your guidance counselor for details.


Accounting Operations (8303400), Administrative Assistant (8215200), Business Supervision & Management (8215200), or Digital Design (8209600)

Career Academy: VyStar Academy of Business and Finance

Secondary CTE Program:

Career Cluster Pathway: Business, Management & Administration/Arts, A/V Technology & Communication

Eligible Recipient: Grade 9-12

	16 CORE CURRICULUM CREDITS					8 ADDITIONAL CREDITS	
	ENGLISH	MATH	SCIENCE	SOCIAL STUDIES	OTHER REQUIRED COURSES	CAREER AND TECHNICAL EDUCATION COURSES	& RECOMMENDED ELECTIVES (Aligned with State University System Admissions)
	4 credits	4 credits	3 credits, 2 with lab	3 credits	FINE or PRACTICAL ARTS (1 cdt) PHYSICAL EDUCATION (1 cdt)	Major Area of Interest:	

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	Business & Finance Track						Design Track	
	9	English 1	Math	Physical Science	World Geography or AP Human Geography	Hope	Computing for College & Careers	Computing for College & Careers
	10	English 2	Math	Biology	World History Honors	World Language 1 Accounting 1	Business Software Applications	Administrative Office Technology
	11	English 3	Math	Earth Science	American History	World Language 2 Accounting 1 or 2 Psych/Sociology DE / AP Elective	Business & Entrepreneurial Principles	Legal Aspects of Business
	12	English 4	Math	Science or Economics	American Government .5 + Economics .5 DE Macro/Micro Econ & DE US Fed Gov't	Elective or Economics	Business Supervision, Accounting 1 or 2	Teller Operations Business Internship

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.

POSTSECONDARY	TECHNICAL CENTER PROGRAM(S)	COMMUNITY COLLEGE PROGRAM(S)	UNIVERSITY PROGRAM(S)
		Business; Marketing; Accounting; Finance; Computer Science; Web Development	Business Administration; Finance; International Business; Economics; Management; Marketing; Graphic Design
CAREER	SAMPLE CAREER SPECIALTIES (The Targeted Occupations List may be used to identify appropriate careers.)		
	Bank Teller, Auditing or Billing Clerks, Accounting Paraprofessionals, Bookkeepers, Information Technology Assistant, Production Assistant	Accountant, Auditor, Business Operations Specialist, Public Relations Specialist, Database technician; Para legal Assistant, Digital Assistant Designer	Database Administrators, Financial Analysts, Sales Managers, Financial Advisors, Purchasing Agents, Marketing Managers, Operations Managers, Graphic Designer

CREDIT	ARTICULATION AND CTE DUAL ENROLLMENT OPPORTUNITIES		
	Secondary to Technical Center (PSAV) (minimum # of clock hours awarded)	Secondary to College Credit Certificate or Degree St. Johns River State College; Florida State College Jacksonville	PSAV/PSV to AAS or AS to BS or BAS UNF, JU, UF, FSU, UCF, FAMU, FAU, USF, UWF

*Possible Industry Certifications (Students):

Secondary: Certified Banking Associate; Microsoft Office Specialist (MOS), Adobe Certified Associate

Postsecondary: Series 7 license as Financial Planner, Adobe Certified Expert


Dual Enrollment: Morning classes begin in GEB 1011 Intro to Business: MAN 2021 Intro to Management

Career Cluster: Academy of Architectural and Building Sciences

Secondary CTE Program: Concrete Masonry #8722600

Career Cluster Pathway: Architecture and Construction

Eligible Recipient: Grade 9-12

		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	CAREER AND TECHNICAL EDUCATION COURSES Major Area of Interest:	RECOMMENDED ELECTIVES (Aligned with State University System Admissions)
						FINE or PRACTICAL ARTS (1 cdt) PHYSICAL EDUCATION (1 cdt)		
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 1	Math	Physical Science	World Geography & Teen Leadership AP Human Geography	Hope	Masonry 1	Elective or World Language
	10	English 2	Math	Biology	World History Honors	Elective	Masonry 2	Elective or World Language
	11	English 3	Math DE/AP Math	Earth Science	American History	Building & Construction Management I	Masonry 3	Legal Aspects of Business
	12	English 4	Math DE/AP Math	Science or Elective	American Government .5 + Economics .5	Building & Construction Management I, Internship DE / AP Elective	Internship DE/AP Elective	Internship DE/AP Elective
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) Drafting, Apprenticeship with Northeast Florida Building Association and Masonry			COMMUNITY COLLEGE PROGRAM(S) Industrial Management; Architectural Design & Construction Technology			UNIVERSITY PROGRAM(S) Building Construction Management, Architecture, Engineering	
CAREER	SAMPLE CAREER SPECIALTIES (The Targeted Occupations List may be used to identify appropriate careers.)							
	Carpenter, Drafter, Mason, Building assistant, Cement Masons and Concrete Finishers			Electrician, Heating & Air Conditioning, Carpenter, Brickmasons, Civil/ Electrical /Electronic Engineering Technicians			Architect, Engineer	
CREDIT	ARTICULATION AND CTE DUAL ENROLLMENT OPPORTUNITIES							
	Secondary to Technical Center (PSAV) St. Johns River Community College; Northeast Florida Builders Apprenticeship Program			Secondary to College Credit Certificate or Degree St. Johns River State College; Florida State College Jacksonville			PSAV/PSV to AAS or AS to BS or BAS UNF, JU, UF, FSU, UCF, FAMU, FAU, USF UWF	
Possible Industry Certifications (Students):								
Secondary:		AutoDesk/AutoCAD; NCCER: Building Construction Carpentry or Masonry; OSHA						
Postsecondary:								


Career Academy: Power and Energy Technology

Secondary CTE Program: Power and Energy Technology

Career Cluster Pathway: Science, Technology, Engineering and Math (STEM)

Eligible Recipient: Grade 9-12

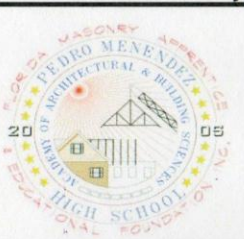
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		16 CORE CURRICULUM CREDITS					8 ADDITIONAL CREDITS	
		ENGLISH	MATH	SCIENCE	SOCIAL STUDIES	OTHER REQUIRED COURSES	CAREER AND TECHNICAL EDUCATION COURSES	RECOMMENDED ELECTIVES (Aligned with State University System Admissions)
						FINE or PRACTICAL ARTS (1 cdt)		
		4 credits	4 credits	4 credits, 2 with lab	3 credits	PHYSICAL EDUCATION (1 cdt)	Major Area of Interest:	
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 1	Math	Physical Science	World Geography & Teen Leadership AP Human Geography	Hope	Energy Foundations (8006110)	Elective or World Language
	10	English 2	Math	Biology	World History Honors	Elective	Power and Energy Technology 1 (8601310)	Elective or World Language
	11	English 3	Math DE/AP Math	Earth Science	American History	Elective	Power and Energy Technology 2 (8601320)	Legal Aspects of Business
	12	English 4	Math DE/AP Math	Science or Elective	American Government .5 + Economics .5	Elective: Advanced Applications in Technology (8601900) Preq: P&E 1-3	Power and Energy Technology 3 (8601330)	Internship DE/AF Elective
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) Sustainable Design, Architectural, Mechanical, Structural Drafting, Electronic Technnology, Electrical line Supervisor, Electrical and Instrumentation, Industrial Electricity			COMMUNITY COLLEGE PROGRAM(S) Sustainable Design, Drafting and Design Technology, Alternative Energy Systems Technology, Electronics Technician, Electrical Distribution Technology			UNIVERSITY PROGRAM(S) Drafting and Design Technology, Engineering Technology, Electrical Distribution Technology, Telecommunications Engineering Technology	
CAREER	SAMPLE CAREER SPECIALTIES (The Targeted Occupations List may be used to identify appropriate careers.)							
	Line Maintainers, Welders, Plumbers, Energy Technician			Architectural Drafting, Engineering, Instrumentation and Control Technicians, Power Plant Operator, Powerhouse, Substation, Electrical and Electronic Repairer			Engineering, Nuclear Power Reactor Operator	
CREDIT	ARTICULATION AND CTE DUAL ENROLLMENT OPPORTUNITIES							
	Secondary to Technical Center (PSAV)			Secondary to College Credit Certificate or Degree			PSAV/PSV to AAS or AS to BS or BAS	

***Possible Industry Certifications (Students):**

Secondary: AutoDesk Inventor

Postsecondary:

Career Academy: Academy of Architectural and Building Sciences					Secondary CTE Program: Building Construction Technology			
Career Cluster Pathway: Architecture and Construction					Eligible Recipient: Grade 9-12 Program #872300			
	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	CAREER AND TECHNICAL EDUCATION COURSES Major Area of Interest:	RECOMMENDED ELECTIVES (Aligned with State University System Admissions)	
					FINE or PRACTICAL ARTS (1 cdt)			
					PHYSICAL EDUCATION (1 cdt)			
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 Personal Education Planner through FACTS.org.							
	9	English 1	Math	Physical Science	World Geography & Teen Leadership AP Human Geography	Hope	Building Constr Tech 1	Elective or World Language
	10	English 2	Math	Biology	World History Honors	Elective	Building Constr Tech 2	Elective or World Language
	11	English 3	Math DE/AP Math	Earth Science	American History	Building & Construction Management I	Building Constr Tech 3	Legal Aspects of Business
	12	English 4	Math DE/AP Math	Science or Elective	American Government .5 + Economics .5	Building & Construction Management I, Internship DE / AP Elective	Internship DE/AP Elective	Internship DE/AP Elective
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) Drafting, Apprenticeship with Northeast Florida Building association and Masonry			COMMUNITY COLLEGE PROGRAM(S) Industrial Management; Architectural Design & Construction Technology;			UNIVERSITY PROGRAM(S) Building Construction Management, Architecture, Engineering	
CAREER	SAMPLE CAREER SPECIALTIES (The Targeted Occupations List may be used to identify appropriate careers.)							
	Carpenter, Drafter, Mason, Building assistant, Cement Masons and Concrete Finishers			Electrician, Heating & Air Conditioning, Carpenter, Brickmasons, Civil/ Electrical /Electronic Engineering Technicians			Architect, Engineer	
CREDIT	ARTICULATION AND CTE DUAL ENROLLMENT OPPORTUNITIES							
	Secondary to Technical Center (PSAV) St. Johns River Community College; Northeast Florida Builders Apprenticeship Program			Secondary to College Credit Certificate or Degree St. Johns River Community College; FCCJ			PSAV/PSV to AAS or AS to BS or BAS UNF, JU, UF, FSU, UCF, FAMU, FAU, USF, UWF	
	Possible Industry Certifications (Students):							
Secondary: AutoDesk/AutoCAD; NCCER: Building Construction Carpentry or Masonry; OSHA								
Postsecondary:								

Secondary CTE Program: Carpentry

Eligible Recipient: Grade 9-12 Program #8722100



16 CORE CURRICULUM CREDITS					8 ADDITIONAL CREDITS	
ENGLISH	MATH	SCIENCE	SOCIAL STUDIES	OTHER REQUIRED COURSES	CAREER AND TECHNICAL EDUCATION COURSES	RECOMMENDED ELECTIVES (Aligned with State University System Admissions)
				FINE or PRACTICAL ARTS (1 cdt)	Major Area of Interest:	
				PHYSICAL EDUCATION (1 cdt)		
4 credits	4 credits	3 credits, 2 with lab	3 credits			

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 1	Math	Physical Science	World Geography & Teen Leadership AP Human Geography	Hope	Carpentry 1	Elective or World Language
10	English 2	Math	Biology	World History Honors	Elective	Carpentry 2	Elective or World Language
11	English 3	Math DE/AP Math	Earth Science	American History	Building & Construction Management I	Carpentry 3	Legal/Aspects of Business
12	English 4	Math DE/AP Math	Science or Elective	American Government .5 + Economics .5	Building & Construction Management I, Internship DE / AP Elective	Internship DE/AP Elective	Internship DE/AP Elective

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.

<p>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.</p>		
<p>TECHNICAL CENTER PROGRAM(S)</p> <p>Drafting, Apprenticeship with Northeast Florida Building association and Masonry</p>	<p>COMMUNITY COLLEGE PROGRAM(S)</p> <p>Industrial Management; Architectural Design & Construction Technology;</p>	<p>UNIVERSITY PROGRAM(S)</p> <p>Building Construction Management, Architecture, Engineering</p>

SAMPLE CAREER SPECIALTIES (The Targeted Occupations List may be used to identify appropriate careers.)		
Carpenter, Drafter, Mason, Building assistant, Cement Masons and Concrete Finishers	Electrician, Heating & Air Conditioning, Carpenter, Brickmasons, Civil/ Electrical /Electronic Engineering Technicians	Architect, Engineer

ARTICULATION AND CTE DUAL ENROLLMENT OPPORTUNITIES		
<u>Secondary to Technical Center (PSAV)</u>	<u>Secondary to College Credit Certificate or Degree</u>	<u>PSAV/PSV to AAS or AS to BS or BAS</u>
St. Johns River Community College; Northeast Florida Builders Apprenticeship Program	St. Johns River State College	UNF, JU, UF, FSU, UCF, FAMU, FAU, USF, UWF

Possible Industry Certifications (Students):

Secondary:	AutoDesk/AutoCAD; NCCER: Building Construction Carpentry or Masonry; OSHA
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Career Academy : Academy of Architectural and Building Sciences

Secondary CTE Program: Drafting 8725400

Career Cluster Pathway: Architecture and Construction


Eligible Recipient: Grade 9-12

		16 CORE CURRICULUM CREDITS					8 ADDITIONAL CREDITS	
		ENGLISH	MATH	SCIENCE	SOCIAL STUDIES	OTHER REQUIRED COURSES	CAREER AND TECHNICAL EDUCATION COURSES	RECOMMENDED ELECTIVES (Aligned with State University System Admissions)
						FINE or PRACTICAL ARTS (1 cdt)		
	4 credits	4 credits	3 credits, 2 with lab	3 credits	PHYSICAL EDUCATION (1 cdt)	Major Area of Interest:		
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 1	Math	Physical Science	World Geography/AP Human Geography	Hope	Drafting 1	Elective or World Language
	10	English 2	Math	Biology	World History/DE World Civ	Elective	Drafting 2	Elective or World Language
	11	English 3	Math DE/AP Math	Earth Science	American History/DE US History	Elective	Drafting 3	Legal/Aspects of Business
	12	English 4	Math DE/AP Math	Science or Elective	American Government .5 + Economics .5	Building & Construction Management I, Internship DE / AP Elective	Internship DE/AP Elective	Internship DE/AP Elective
	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) Drafting, Apprenticeship with Northeast Florida Building association and Masonry		COMMUNITY COLLEGE PROGRAM(S) Industrial Management; Architectural Design & Construction Technology;		UNIVERSITY PROGRAM(S) Building Construction Management, Architecture, Engineering			
CAREER	SAMPLE CAREER SPECIALTIES (The Targeted Occupations List may be used to identify appropriate careers.)							
	Carpenter, Drafter, Mason, Building assistant, Cement Masons and Concrete Finishers		Electrician, Heating & Air Conditioning, Carpenter, Brickmasons, Civil/ Electrical /Electronic Engineering Technicians			Architect, Engineer		
CREDIT	ARTICULATION AND CTE DUAL ENROLLMENT OPPORTUNITIES							
	Secondary to Technical Center (PSAV) St. Johns River Community College; Northeast Florida Builders Apprenticeship Program		Secondary to College Credit Certificate or Degree St. Johns River Community College; FCCJ			PSAV/PSV to AAS or AS to BS or BAS UNF, JU, UF, FSU, UCF, FAMU, FAU, USF, UWF		

***Possible Industry Certifications (Students):**

Secondary: AutoDesk/AutoCAD; NCCER: Building Construction Carpentry or Masonry; OSHA


Postsecondary:

Career Academy: Flagler Hospital Academy of Medical & Health Careers				Secondary CTE Program: Allied Health/Electrocardiograph Aide				
Career Cluster Pathway: Health Science Education				Eligible Recipient: Grades 9-12		847130/8417160		
	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	CAREER AND TECHNICAL EDUCATION COURSES	RECOMMENDED ELECTIVES (Aligned with State University System Admissions)	
					Fine or Practical Arts (1 cdt) Physical Education (1 cdt)			
					Major Area of Interest:			
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 1 or English 1 Honors	Math	Physical Science or Biology Honors	World Geography	Hope	Health Careers 1	Computing for College and Careers
	10	English 2 or English 2 Honors	Math	Biology or Biology Honors	World History Honors	Elective	Health Careers 2	Medical Terminology
	11	English 3	Math	Chemistry	American History	Elective	Allied Health 3	Intro to Health Career Delivery Systems
	12	English 4	Math, College Algebra, Elem. Statistics	Anatomy & Physiology; Lab or AP Honors	American Govt & Economics, DE Marco Economics, DE US Fed. Gov't.	Human Nutrition .5 then Humanities .5 or Internship	Electrocardiograph Aide 3	Concepts of Diseases .5 then Health Care Law .5 or Internship
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) Technical Certifications offered in Medical Information Coder/Billing; Medical Assisting; First Responder; Phlebotomy			COMMUNITY COLLEGE PROGRAM(S) Health Information Management; Health Services Management; Nursing (RN), Radiologic Technology; Respiratory Care.		UNIVERSITY PROGRAM(S) Undergraduates usually pursue a science degree before taking the MCAT		
CAREER	SAMPLE CAREER SPECIALTIES							(The Targeted
	Technical Certifications offered in Medical Information Coder/Billing; Medical Assisting; First Responder; Phlebotomy			Occupations List may be used to identify appropriate careers.) Nurse, Radiological Specialist, Respiratory Care Nurse.			Medical Doctor	
CREDIT	ARTICULATION AND CTE DUAL ENROLLMENT OPPORTUNITIES							
	Secondary to Technical Center (PSAV) First Coast Technical College			Secondary to College Credit Certificate or Degree St. Johns River State College Florida State College at Jacksonville			PSAV/PSV to AAS or AS to BS or BAS University of North Florida, Florida State University, University of Florida	
Possible Industry Certifications (Students):								
Secondary:		Certified Nursing Assistant, EK Certified EKG technician						
Postsecondary:		Emergency Medical Technical, Paramedic, Nursing Assistant, Registered Nurse, X-Ray Technician						

Secondary CTE Program: International Marketin

Eligible Recipient: Grades 9-12

Program #: 8839110

 PONTE VEDRA HIGH SCHOOL Academy of International Business & Marketing		16 CORE CURRICULUM CREDITS					8 ADDITIONAL CREDITS	
		ENGLISH 4 credits	MATH 4 credits	SCIENCE 3 credits	SOCIAL STUDIES 3 credits	OTHER REQUIRED COURSES 2 credits	CAREER AND TECHNICAL EDUCATION COURSES	RECOMMENDED ELECTIVES
							Major Area of Interest 4 credits	
HIGH SCHOOL	Career Cluster of interest identified by students enrolled in required middle school career education course that includes interest assessment and career exploration through CHOICES and ePersonal Education Planner through FACTS.org.							
	9	English	Math	Science	World Geography or World Honors	HOPE	Marketing Essentials	Foreign Language (Chinese recommended)
	10	English	Math	Science	World History or Int'l Relations Honors	Fine or Practical Art	Int'l Marketing I	Foreign Language (Chinese recommended)
	11	English	Math	Science	U S History	Elective	Int'l Marketing II	Foreign Language (Chinese recommended)
	12	English	Math	Science	Government and Economics	Business Law	Int'l Marketing III	Foreign Language (Chinese recommended)
	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) Industrial Equipment Mechanics; Electrical/Electronic Technicians; Avionics Technicians; Distribution Associate; Inventory Specialist			COMMUNITY COLLEGE PROGRAM(S) Business Administration; International Business (AS); Marketing (AS)			UNIVERSITY PROGRAM(S) Logistics; Business; International Business; Marketing; Finance	
CAREER	SAMPLE CAREER SPECIALTIES (The Targeted Occupations List may be used to identify appropriate careers.)							
	Truck Drivers; Customer Service Representatives; Shipping & Receiving Clerk; Sales Manager			Accountants & Auditors; Business Operations Specialists; Freight Rate Specialist; Database Administrators; Financial Analysts; Personal Financial Advisors			Logistics Manager, Transportation Manager; Inventory Planning and Control Manager; Financial Managers; Marketing Managers; Purchasing Agents	
CREDIT	ARTICULATION AND CTE DUAL ENROLLMENT OPPORTUNITIES							
	Secondary to Technical Center (PSAV)			Secondary to College Credit Certificate or Degree			PSAV/PSV to AAS or AS to BS or BAS	
				SJRSC: Microcomputer Applications Systems FSC at Jax.: Intro to Business, Intl. Mktg, Cultural Div. in Intl Bus.			UNF, JU, UF, FSU, UCF Intro. To Global Bus./Bus. Law/ Ethics	
*Possible Industry Certifications (Students): Secondary: Microsoft Certification (MOS) Postsecondary:								


Career Academy: Academy of International Business & Marketing

Secondary CTE Program: International Business

Career Cluster Pathway: Business Management and Administration

Eligible Recipient: Grades 9-12

Program 8216100

<div></div> <div>PONTE VEDRA HIGH SCHOOL</div> <div>Academy of International Business & Marketing</div>		16 CORE CURRICULUM CREDITS					8 ADDITIONAL CREDITS	
		ENGLISH	MATH	SCIENCE	SOCIAL STUDIES	OTHER REQUIRED COURSES	CAREER AND TECHNICAL EDUCATION COURSES	RECOMMENDED ELECTIVES
		4 credits	4 credits	3 credits	3 credits	2 credits	Major Area of Interest: 4 credits	
HIGH SCHOOL	Career Cluster of interest identified by students enrolled in required middle school career education course that includes interest assessment and career exploration through CHOICES and ePersonal Education Planner through FACTS.org.							
	9	English	Math	Science	World Geography or World Honors	HOPE	Computing for College & Careers	Foreign Language (Chinese recommended)
	10	English	Math	Science	World History or Int'l Relations Honors	Fine or Practical Art	Accounting Applications I	Foreign Language (Chinese recommended)
	11	English	Math	Science	U S History	Elective	Int'l Business Systems	Foreign Language (Chinese recommended)
	12	English	Math	Science	Government and Economics	Business Law	Int'l Finance & Law	Foreign Language (Chinese recommended)
	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) Industrial Equipment Mechanics; Electrical/Electronic Technicians; Avionics Technicians; Distribution Associate; Inventory Specialist			COMMUNITY COLLEGE PROGRAM(S) Business Administration; International Business (AS); Marketing (AS)			UNIVERSITY PROGRAM(S) Logistics; Business; International Business; Marketing; Finance	
CAREER	SAMPLE CAREER SPECIALTIES (The Targeted Occupations List may be used to identify appropriate careers.)							
	Customer Service Representatives; Shipping & Receiving Clerk			Accountants & Auditors; Business Operations Specialists; Freight Rate Specialist; Database Administrators; Financial Analysts; Personal Financial Advisors; Sales Managers			Logistics Manager, Transportation Manager; Inventory Planning and Control Manager; Financial Managers; Marketing Managers; Purchasing Agents	
CREDIT	ARTICULATION AND CTE DUAL ENROLLMENT OPPORTUNITIES							
	Secondary to Technical Center (PSAV)			Secondary to College Credit Certificate or Degree SJRS: Microcomputer Applications Systems FSC at Jax.: Intro to Business, Intl. Mrktg, Cultural Div. in Intl Bus.			PSAV/PSV to AAS or AS to BS or BAS UNF, JU, UF, FSU, UCF Intro. To Global Bus./ Bus. Law /Ethics	

Possible Industry Certifications (Students):

Secondary: Microsoft certification (MOS)


Postsecondary:

Career Academy: Biotechnology

Secondary CTE Program: Biotechnology Program: 8736000

Career Cluster Pathway: Science, Technology, Engineering, Math

Eligible Recipient: Grades 9-12

 PONTE VEDRA HIGH SCHOOL Academy of Biotechnology & Medical Research		16 CORE CURRICULUM CREDITS					8 ADDITIONAL CREDITS	
		ENGLISH	MATH	SCIENCE	SOCIAL STUDIES	OTHER REQUIRED COURSES	CAREER AND TECHNICAL EDUCATION COURSES	RECOMMENDED ELECTIVES
							Major Area of Interest 4 credits	
		4 credits	4 credits	3 credits	3 credits	2 credits		
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	Geometry or Algebra Honors	Physical Science or Biology 1 Honors	Social Studies	HOPE	Biotechnology I	Foreign Language (Latin recommended)
	10	English	Algebra 2 or Algebra 2 Honors	Chemistry or Chemistry Honors	Social Studies	Fine or Practical Art	Biotechnology II	Foreign Language (Latin recommended)
	11	English	Pre-Calculus	Physics or AP Science	Social Studies	Elective	Biotechnology III	Foreign Language (Latin recommended)
	12	English	AP Calculus	AP Science	Social Studies	Elective	Experimental Science	Foreign Language (Latin recommended)
	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) Biomedical Equipment Maintenance and Repair Technology (workforce certificate); Bioinformatics (Advanced Certificate)			COMMUNITY COLLEGE PROGRAM(S) Biomedical Engineering Technology; Biotechnology Laboratory Technology; Chemical Laboratory Specialist;		UNIVERSITY PROGRAM(S) Biomedical Science; Nanotechnology; Agricultural & biological engineering; Chemical technology; Biomedical Engineering Technology; Biology		
CAREER	SAMPLE CAREER SPECIALTIES							
	The Targeted Occupations List may be used to identify appropriate careers.)							
	Biomedical Equipment Maintenance and Repair Technician; Bioinformatics technician			Biological Illustration; biomedical technician; laboratory assistant		Molecular Biologist; Analytical Chemist; Biomedical Engineer; Ecologist; Geologist; Microbiology and Cell Scientist; Plant Pathologist		
CREDIT	ARTICULATION AND CTE DUAL ENROLLMENT OPPORTUNITIES							
	Secondary to Technical Center (PSAV) Florida State College at Jacksonville			Secondary to College Credit Certificate or Degree FSC at Jax.: Bio I, II, III at PVHS transfers as 4 crdts. Intro to Biotech Methods, Intro to Biotech, Princ. of Biology, and Human Biology			PSAV/PSV to AAS or AS to BS or BAS University of Florida; University of Central Florida; UNF- Ethics Course	

*Possible Industry Certifications (Students):

Secondary: Biotechnician

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


Career Academy: St. Johns County Aerospace Academy

Secondary CTE Program: Aerospace & Engineering Technology

Career Cluster Pathway: Science, Technology, Engineering & Mathematics

Eligible Recipient: Grade 9-12

Program 8600080

		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	CAREER AND TECHNICAL EDUCATION COURSES	RECOMMENDED ELECTIVES (Aligned with State University System Admissions)	
						Fine or Practical Arts (1 cdt) Physical Education (1 cdt)			
		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.					Major Area of Interest:		
HIGH SCHOOL	9	English 1	Algebra 1/Pre-AICE Math 2	Physical Science/Pre-AICE Biology	Elective	HOPE	Aerospace Technology I	Elective or Foreign Language	
	10	English 2	Geometry/Pre AICE Math 3	Biology/Pre-AICE Chemistry	World History	Fine OR Practical ARTS (1 cdt)	Aerospace Technology II	Elective or Foreign Language	
	11	English 3	Algebra 2/DE College Alg & DE Pre-Cal/Pre Calculus/AP Calculus/AICE Math	Earth Space Science/AICE Physics	American History	AS 121 Ground School	Aerospace Technology III/SP 110 Space Flight and Adv. Space Technology	Elective or Foreign Language	
	12	English 4/English 4 Honors/AICE English Lit/AP English	Algebra 2/AP Calculus	Chemistry/Physics Honors	Economics / Government	AS 121 Ground School	Adv. Technology Application/EGR 101 Intro to Engineering & EGR 115 Computing for Engineers	Elective or Foreign Language	
	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)			
	Workforce certificates in Aircraft Airframe Mechanics; Aircraft Powerplant Mechanics; Avionics		Aviation Maintenance Management (A.S.); Air Traffic Control (A.S.); Aviation Operations (A.S.); Professional Pilot Technology (A.S.)			Aeronautical Science; Aeronautics; Aerospace Engineering; Air Traffic Management; Applied Meteorology; Aviation Maintenance Science; Civil Engineering; Computer Engineering			
CAREER	SAMPLE CAREER SPECIALTIES								(The Targeted
	Airframe mechanic; Aircraft & powerplant mechanic; Avionics Specialist; Sheet metal fabricator		Pilot; Air Traffic Controller; Accident Investigator; Radar / Navigation Specialist; Safety Inspector			Engineers; Airport Architects; Information Systems Specialist; Aviation Medical Examiner; Astronaut			
CREDIT	ARTICULATION AND CTE DUAL ENROLLMENT OPPORTUNITIES								
	Secondary to Technical Center (PSAV) Florida Community College at Jacksonville		Secondary to College Credit Certificate or Degree Florida Community College at Jacksonville			PSAV/PSV to AAS or AS to BS or BAS Embry-Riddle Aeronautical University			

Possible Industry Certifications (Students):

Secondary: FAA Pilot's License


Postsecondary: FAA Airframe & Powerplant license;

Career Cluster: St. Johns County Academy of Future Teachers

Secondary CTE Program: Teacher Assisting Program 09000

Career Cluster Pathway: Public Service Education

Eligible Recipient: 9-12

	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	CAREER AND TECHNICAL EDUCATION COURSES Major Area of Interest:	RECOMMENDED ELECTIVES (Aligns with State University System Admissions)	
					FINE or PRACTICAL ARTS (1 cdt)			
					PHYSICAL EDUCATION (1 cdt)			
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 1 ✓	Algebra 1 ✓	SCIENCE ✓	Teen Leadership & PE ✓	HOPE(1 cdt) ✓	Teacher Assisting 1 ✓	WORLD LANGUAGE ✓
	10	English 2 ✓	MATH ✓	SCIENCE ✓	World History ✓	Fine Arts ✓	Teacher Assisting 2 ✓	WORLD LANGUAGE ✓
	11	English 3	MATH	SCIENCE	American History or 2 dual enrollment world history courses	2 dual enrollment social science courses	Teacher Assisting 3	DEP 2004 Human Growth
	12	English 4	2 Dual Enrollment Maths	2 Dual Enrollment Lab Sciences or SCIENCE	Economics and Government	2 HUMANITIES courses	Teaching Assisting 4	SLS 1301 Career Develop and EME 2040 Ed Technology
	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.							
	<u>TECHNICAL CENTER PROGRAM(S)</u>		<u>COMMUNITY COLLEGE PROGRAM(S)</u>			<u>UNIVERSITY PROGRAM(S)</u>		
	Early Childhood Education		Early Childhood (AS degree);			Education degrees: Ph.D./Ed.D., Ed.S., MAE, M.Ed., BAE		
CAREER	SAMPLE CAREER SPECIALTIES (The Targeted Occupations List may be used to identify appropriate careers.)							
	Childcare		Paraprofessional / teacher aide			Teacher, Professor		
CREDIT	ARTICULATION AND CTE DUAL ENROLLMENT OPPORTUNITIES							
	Secondary to Technical Center (PSAV)		Secondary to College Credit Certificate or Degree			PSAV/PSV to AAS or AS to BS or BAS		
	First Coast Technical College		60 credit hours (full AA degree) from St. Johns River Community College			UNF, UF, FSU		

*Possible Industry Certifications (Students):

Secondary: Para Pro Test
Postsecondary: Teacher Certification in Subject or Specialty Areas

Career Cluster: AGRICULTURE, FOOD, AND NATURAL RESOURCES

Secondary CTE Program: WATER RESOURCES TECHNOLOGY

Career Cluster Pathway: WATER RESOURCES TECHNOLOGY

Eligible Recipient: Grade 9-12

Academy of Environmental Services



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 or PRACTICAL ARTS (1 cdt)

PHYSICAL EDUCATION (1 cdt)

CAREER AND TECHNICAL EDUCATION COURSES

Major Area of Interest:

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 1	Science/Math Prep Algebra I	Earth Science	World Geography & Teen Leadership AP Human Geography	Hope	Introduction to Environmental Water Technology (8007110)	Elective or World Language
10	English 2	Geometry	Environment Science	World History Honors	Elective	Intermediate Environmental Water Technology (8007120)	Elective or World Language
11	English 3	Liberal Arts Math	Biology	American History	Intern I	Advanced Environmental Water Technology (8007130)	Intern II
12	English 4	Algebra II	Chemistry	American Government .5 + Economics .5	Elective	Water Quality Resources 4 (8916020)	Internship DE/AP Elective

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)
Electrician, Horticulture, Building Engineering, Engineering Technology, Pipefitter, Welding, ater Treatment Plant Operator	Land Management, Forestry, Water Resource Management, Laboratory Science	BA - Environmental Studies, BS - Environmental Management, Environmental Natural Resources, Fisheries and Wildlife, Ocean Engineering, Civil Engineering, and Chemical Engineering

CAREER

SAMPLE CAREER SPECIALTIES (The Targeted Occupations List may be used to identify appropriate careers.)
Reservoir Manager, Electrician, Pump Station Operator, Water Treatment Plant Operator, Lab Technician, Welder
Lab Technician, Surveyor, Construction Manager, Engineering Technician, Water Treatment Plant Operator, Wastewater Treatment Plant Operator, Water Distribution Plant Operator
Environmental Water / Wastewater Engineer, Environmental Project Manager, Ecologist, Oceanographer, Marine Scientist, Environmental Engineer

CREDIT

ARTICULATION AND CTE DUAL ENROLLMENT OPPORTUNITIES

Secondary to Technical Center (PSAV)

Secondary to College Credit Certificate or Degree

PSAV/PSV to AAS or AS to BS or BAS

Possible Industry Certifications (Students):

Secondary: CPR Certification, Class C Water Treatment Plant Operator or Class C Wastewater Treatment Plant Operator

Postsecondary: Water, Wastewater and/or Water Distribution

DOE is exploring program offerings specific to water treatment and wastewater treatment