Career (	Cluster: <b>Arch</b>	nitecture & Construction				Technology Post Secondary Progra	~ Air Conditioning Refrige m:0615050100 Air Condi	_	
Career (	Cluster Path	way: Architecture & Cons	struction			Heating Systems Technology Secondary Industry Cet 1. National Center for Cot 2. North American Technology 3. EPA Certification Post Secondary Industr 1. HVAC Employment Re	rtification(s): Instruction Education & Relician Excellence (NATE) Instruction Excellence (NATE) Instruction Excellence (NATE)	esearch (NCCER)	
	47.40 REQUIE			1/2 REQUIRED CORE CRED			8 1/2 ADDITIONAL CREDITS		
Bre	and Public Schools			SOCIAL		Additional	8.5 Electives, Including CTE sequential Program of Study and		
C	le	ENGLISH	MATH	SCIENCE	STUDIES	Required Credits	recommended electives * Signifies CTE course meets Perfo		
Career & T	Technical Education g students for SUCCESS	4 credits		3 or 4 credits, 2 w/ lab	3 or 4 credits	HOPE, Performing Arts, and CRDM	requirement		
ı	<ul> <li>Students are al</li> </ul>	ncouraged to begin planning for careers lso encouraged to participate in dual en hin the 26 credit program must be an o	rollment courses which may be used to	satisfy high school graduation or Brig	ht Futures Gold Seal Vocational Schol	ars course requirements.			
4	9	English Honors 1	Geometry 1 Honors	Biology 1 Honors or Integrated Science 1 Honors	World History Honors	Career Research & Decision Making (.5cdt)/Elective (Keyboarding & Business Skills .5cdt)	A/C Refrigeration and Heating Technology 1	Elective (Foreign Language)	
нісн ѕсноог	10	English Honors 2	Algebra 2 Honors	Chemistry 1 Honors or Integrated Science 2 Honors	AP United States History or American History Honors	HOPE	A/C Refrigeration and Heating Technology 2	Elective (Foreign Language)	
HIGH	11	AP English Language & Comp or English Honors 3	PreCalc or Advance Math Topics	Physics 1 Honors or Integrated Science 3 Honors	American Government Honors/ AP Economics	Performing Fine Arts (Speech or DE Speech SPC2608/ DE Art History ARH1051)	A/C Refrigeration and Heating Technology 3	Elective (Digital Information Technology)	
	12	AP English Lit & Comp or DE English Comp 1 ENC1101/DE Technical Writing ENC2210	AP Calculus, AP Statistics or DE College Algebra MAC 1105/DE Statistics STA 2023	AP Bio OR AP Chem OR DE General Biology BSCC 1010 OR Physics Honors	AP Psychology or DE Psychology PSY2012/ DE Sociology SYG2000 or Sociology/ Psychology 1 Honors or Sports Psychology	Anatomy & Physiology Honors / DE Human Anatomy & Physiology 1 BSCC 2093	A/C Refrigeration and Heating Technology 4	Elective (Foreign Language)	
ARY	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 CTE program, the following postsecondary options are available. The official college or university catalog must be used to determine course requirements in the major.								
POSTSECONDARY		<u>n</u>	ttp://www.easternflorida.edu/aca	ademics/career-technical-programs/our-programs/		UNIVERSITY PROGRAM(S) Bachelors Degree (four-year)			
Ä							University of Central Florida		
Ë	Air Conditioning Refrigeration and Heating Technology PSAV						Management BS		
ö				Associate in Arts (AA) degrees are offered at all Florida Community Colleges and allow students to move or		Mechanical Engineering BS Industrial Engineering BS			
				Associate III Arts (AA) degrees	to complete a four-year degree.	oneges and allow students to move on	muustilai Erigirieeririg 55		
œ				Sam	ple Career Specialties				
CAREER	Test and Balar Cooling Tower HVAC Equipm Refrigeration N	ent Installer		HVAC Service Tech Solar-Energy-System Installer Chilled Water Operator Appliance Technician		Construction Management BS			
	Articulation and CTE Dual Enrollment Opportunities								
ΤŒ	Secondary to Technical Center (PSAV) (Minimum # of clock hours awarded per institution)			Secondary to College Credit Certificate or Degree (Minimum # of clock or credit hours awarded)  Articulated credit to which courses and number of credits		Industry Certification to PSAV, AAS or AS (Statewide and other local agreements may be included here)			
CREDIT	Advance Standing Credit ACR 0122 (150 clock hrs), ACR 0106 (150 clock hrs), ACR 0608 (120 clock hrs) A total of 420 clock hours from EFSC			https://www.easternflorida.edu/admissions/registrars-office/credit- evaluation/leap/documents/hs/hvac-mou-2019.pdf		Eastern Florida State College: Florida Gold Standard Statewide Articulation Agreement for HVACE002, HVAC Excellence Employment Ready – Air Conditioning shall articulate 4 credit hours in the AAS in Air Conditioning, Refrigeration, Heating Systems Technology.			
Career a	nd Technical S	tudent Association:							
Skills US/	4								
		ence Recommendations:		1.0	f 5 pages			9:30 AM, 6/11/20	
нистиви	PLANOI IN ENHAGE	ence necommendations.		10	. o pagoo			5.50 / tivi, 6/11/20	

Architecture and Construction Cooperative Education-OJT (8700400) Internship

Student Progression Plan, on Brevard Public Schools web site, containing graduation requirements:

Option 2									
Career Cluster: Architecture & Construction  Post Secondary Program: 0615050100 Air Conditioning Refrigeration and Heating Systems Technology  Heating Systems Technology AAS							-		
Career (	Cluster Path	way: <b>Architecture &amp; Con</b>	struction			Secondary Industry Cer	rtification(s): nstruction Education & Re ician Excellence (NATE) ry Certifications:	esearch (NCCER)	
Breva	hrough Politi Shouls 17 1/2 REQUIRED CORE CREDITS						8 1/2 ADDITIONAL CREDITS		
C	echnical Education	ENGLISH MATH		SCIENCE	SOCIAL STUDIES	Additional Required Credits	8.5 Electives, Including CTE seque recommended electives * Signifies CTE course meets Perfo		
preparing	students for SUCCESS	4 credits	4 credits	3 or 4 credits, 2 w/ lab	3 or 4 credits	HOPE, Performing Arts, and CRDM	requirement		
	<ul> <li>Students are encouraged to begin planning for careers and postsecondary options by exploring resources at mycareershines.org.</li> <li>Students are also encouraged to participate in dual enrollment courses which may be used to satisfy high school graduation or Bright Futures Gold Seal Vocational Scholars course requirements.</li> <li>One course within the 26 credit program must be an online course. Cumulative GPA of 2.0 on a 4.0 scale for 26 credit program.</li> </ul>								
7	9	English Honors 1	Algebra 1	Biology 1 Honors or Integrated Science 1 Honors	World History Honors	Career Research & Decision Making (.5cdt)/Elective (Keyboarding & Business Skills .5cdt)	A/C Refrigeration and Heating Technology 1	Elective (Foreign Language)	
SCHOOL	10	English Honors 2	Geometry	Chemistry 1 Honors or Integrated Science 2 Honors	AP United States History or American History Honors	HOPE	A/C Refrigeration and Heating Technology 2	Elective (Foreign Language)	
HGH	11	AP English Language & Comp or English Honors 3	Algebra 2	Physics 1 Honors or Integrated Science 3 Honors	American Government Honors/ AP Economics	Performing Fine Arts (Speech or DE Speech SPC2608/ DE Art History ARH1051)	A/C Refrigeration and Heating Technology 3	Elective (Digital Information Technology)	
	12	AP English Lit & Comp or DE English Comm 1 ENC1101/DE Technical Writing ENC2210	Advanced Math Topics, Pre-Calc or AP Statistics	AP Bio OR AP Chem OR DE General Biology BSCC 1010 OR Physics Honors	AP Psychology or DE Psychology PSY2012/ DE Sociology SYG2000 or Sociology/ Psychology 1 Honors or Sports Psychology	Anatomy & Physiology Honors / DE Human Anatomy & Physiology 1 BSCC 2093	A/C Refrigeration and Heating Technology 4	Elective (Digital Information Technology)	
\$	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 CTE program, the following postsecondary options are available. The official college or university catalog must be used to determine course requirements in the major.								
POSTSECONDARY		<u>h</u>	ttp://www.easternflorida.edu/ac	ademics/career-technical-programs/our-programs/		UNIVERSITY PROGRAM(S) Bachelors Degree (four-year)			
SEC	Air Conditioning, Refrigeration and Heating Technology PSAV						University of Central Florida  Management BS		
ST	7 III GGTTGIIIGTIII	ig, reingeration and ribating room	noiogy i crit				Mechanical Engineering BS		
2				Associate in Arts (AA) degrees are offered at all Florida Community Colleges and allow students to move on			Industrial Engineering BS		
to complete a four-year degree.  Sample Career Specialties									
CAREER	Test and Bala Cooling Towe HVAC Equipm Refrigeration I	nent Installer		HVAC Service Tech Solar-Energy-System Installer Chilled Water Operator Appliance Technician			Construction Management BS		
	Articulation and CTE Dual Enrollment Opportunities								
EDIT	Secondary to Technical Center (PSAV) (Minimum # of clock hours awarded per institution)			Secondary to College Credit Certificate or Degree (Minimum # of clock or credit hours awarded) Articulated credit to which courses and number of credits			Industry Certification to PSAV, AAS or AS (Statewide and other local agreements may be included here)		
CRE	Advance Standing Credit ACR 0122 (150 clock hrs), ACR 0106 (150 clock hrs), ACR 0608 (120 clock hrs) A total of 420 clock hours from EFSC			https://www.easternflorida.edu/admissions/registrars-office/credit- evaluation/leap/documents/hs/hvac-mou-2019.pdf			Eastern Florida State College: Florida Gold Standard Statewide Articulation Agreement for HVACE002, HVAC Excellence Employment Ready – Air Conditioning shall articulate 4 credit hours in the AAS in Air Conditioning, Refrigeration, Heating Systems Technology.		
Career an	d Technical S	Student Association							
Skills USA	\								
Internship/Work Experience Recommendations									
Architecture and Construction Cooperative Education-OJT (8700400) internship									
Student Progression Plan, on Brevard Public Schools web site, containing graduation requirements:									
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		Біе	vara i abilo collocis ci	areer & recrimical Educa	ition (CTE) Program of 3	•		Option	
Career Cluster: Architecture & Construction						~ Air Conditioning Refrigeration and Heating			
Post Secondary Progr						Heating Systems Technology	am:0615050100 Air Conditioning Refrigeration and		
Secondary Industry C  1. National Center for C									
Post Secondary Industry Certifications:									
1. HVAC Employment Ready Air Conditioning									
Brevard	Public Schools	17 1/2 REQUIRED CORE CREDITS  SOCIAL					8 1/2 ADDITIONAL CREDITS 8.5 Electives, Including CTE sequential Program of Study and		
C	e	ENGLISH 4 credits	MATH 4 credits	3 or 4 credits, 2 w/ lab	STUDIES  3 or 4 credits	Additional Required Credits Hope, Performing Arts, and CRDM	recommended electives  Signifies CTE course meets Performing Arts graduation credit requirement		
Career & Tecl	nnical Education idents for SUCCESS								
	<ul> <li>Students are a</li> </ul>	Students are encouraged to begin planning for careers and postsecondary options by exploring resources at mycareershines.org. Students are also encouraged to participate in dual enrollment courses which may be used to satisfy high school graduation or Bright Futures Gold Seal Vocational Scholars course requirements. One course within the 26 credit program must be an online course. Cumulative GPA of 2.0 on a 4.0 scale for 26 credit program.							
7	9	English Honors 1	Algebra 1A	Biology 1 Honors or Integrated Science 1 Honors	World History Honors	Career Research & Decision Making (.5cdt)/Elective (Keyboarding & Business Skills .5cdt)	A/C Refrigeration and Heating Technology 1	Elective (Foreign Language)	
нісн ѕсноог	10	English Honors 2	Algebra 1B	Chemistry 1 Honors or Integrated Science 2 Honors	AP United States History or American History Honors	HOPE	A/C Refrigeration and Heating Technology 2	Elective (Foreign Language)	
Ħ 9 H	11	AP English Language & Comp or English Honors 3	Geometry	Physics 1 Honors or Integrated Science 3 Honors	American Government Honors/ AP Economics	Performing Fine Arts (Speech or DE Speech SPC2608/ DE Art History ARH1051)	A/C Refrigeration and Heating Technology 3	Elective (Digital Information Technology)	
	12	AP English Lit & Comp or DE English Comm 1 ENC1101/DE Technical Writing ENC2210	Algebra 2	AP Bio OR AP Chem OR DE General Biology BSCC 1010 OR Physics Honors	AP Psychology or DE Psychology PSY2012/ DE Sociology SYG2000 or Sociology/ Psychology 1 Honors or Sports Psychology	Anatomy & Physiology Honors / DE Human Anatomy & Physiology 1 BSCC 2093	A/C Refrigeration and Heating Technology 4	Elective (Foreign Language)	
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POSTSECONDARY		<u>http</u>	o://www.easternflorida.edu/ac	ademics/career-technical-programs/our-programs/		UNIVERSITY PROGRAM(S) Bachelors Degree (four-year)			
Ö							University of Central Florida		
E	Air Conditioning, Refrigeration and Heating Technology PSAV						Management BS  Mechanical Engineering BS		
Š				Associate in Arts (AA) degrees are offered at all Florida Community Colleges and allow students to move on to			Industrial Engineering BS		
-				complete a four-year degree.					
œ									
CAREER	Test and Balance Technician Cooling Towers Installer HVAC Equipment Installer Refrigeration Mechanics		HVAC Service Tech Solar-Energy-System Installer Chilled Water Operator Appliance Technician			Construction Management BS			
	Articulation and CTE Dual Enrollment Opportunities								
ΕQ	Secondary to Technical Center (PSAV) (Minimum # of clock hours awarded per institution)			Secondary to College Credit Certificate or Degree (Minimum # of clock or credit hours awarded) Articulated credit to which courses and number of credits			Industry Certification to PSAV, AAS or AS (Statewide and other local agreements may be included here		
25	Advance Standing Credit ACR 0122 (150 clock hrs), ACR 0106 (150 clock hrs), ACR 0608 (120 clock hrs) A total of 420 clock hours from EFSC			https://www.easternflorida.edu/admissions/registrars-office/credit- evaluation/leap/documents/hs/hvac-mou-2019.pdf		Eastern Florida State College: Florida Gold Standard Statewide Articulation Agreement for HVACE002, HVAC Excellence Employment Ready – Air Conditioning shall articulate 4 credit hours in the AAS in Air Conditioning, Refrigeration, Heating Systems Technology.			
areer and	d Technical	Student Association:							
kills USA									
Internship/Work Experience Recommendations:									
Architecture and Construction Cooperative Education-OJT (8700400) internship									
tudent Pi	rogression F	Plan, on Brevard Public Schools	s web site, containing gradu	uation requirements:					

POS History						
Date	Attendess	Action Taken				
	Jim Johnson and					
Feb, 2015	Cindy Ivey	Updated				
	R. Johnson	EFSC links				