


Career Cluster: Architecture and Construction				CTE Program: Building Trades & Construction Design Technologies (8722000)				
Career Cluster Pathway: Construction				Industry Certification: NCCER Construction Technology (NCCER008), NCCER Carpentry - Level 1, (NCCER005), NCCER Carpentry - Level 2 (NCCER032), NCCER Carpentry -Level 3 (NCCER033), NCCER Carpentry - Level 4, (NCCER034)				
	16 CORE CURRICULUM CREDITS					8 ADDITIONAL CREDITS		
	ENGLISH 4 credits	MATH 4 credits	SCIENCE 3 credits, 2 with lab	SOCIAL STUDIES 3 credits	OTHER REQUIRED COURSES FINE ARTS (1 credit) PHYSICAL EDUCATION (1 credit)	CAREER AND TECHNICAL EDUCATION COURSES	RECOMMENDED ELECTIVES (ALIGNED WITH COMMUNITY COLLEGE & STATE UNIVERSITY SYSTEM PROGRAMS)	
HIGH SCHOOL	<ul style="list-style-type: none"> • Students are encouraged to use fchoices.org to explore careers and postsecondary options. • Students are also encouraged to participate in dual enrollment courses which may be used to satisfy high school graduation or Bright Futures Gold Seal Vocational Scholars course requirements. • One course within the 24 credit program must be an online course. Cumulative GPA of 2.0 on a 4.0 scale for 24 credit program 							
	9th	English Language Arts (ELA) I	Algebra I or Higher	Earth & Space Science or Biology I		Physical Education (1credit) (Not required for ACCEL Program)	Building Trades & Construction Design Technologies 1	Foreign Language for SUS admission or other elective appropriate for student's career and education plan.
	10th	English Language Arts (ELA) II	Geometry or Higher	Biology or Chemistry	World History		Building Trades & Construction Design Technologies 2	Technical Design 1 AND Foreign Language or Other Elective
	11th	English Language Arts (ELA) III	Algebra II or Higher	Chemistry or Physics or Physical Science	United States History	Practical Arts or Fine Arts course (1 credit)	Building Trades & Construction Design Technologies 3	Architecture and Construction Cooperative Ed-OJT
	12th	English Language Arts (ELA) IV	Pre-Calculus or Other Math Course	Science Elective or Other Elective	Economics (.5cr) and United States Govt. (.5cr)		Building Trades & Construction Design Technologies 4	Architecture and Construction Directed Study

POSTSECONDARY	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)
	<p>The English Center Lindsey Hopkins Technical College</p> <p>Miami Lakes Educational Center and Technical College</p> <p>Robert Morgan Educational Center and Technical College</p> <p>Air-Conditioning, Refrigeration and Heating Technology (I470203)</p> <p>Miami Lakes Ed. Center and Technical College</p> <p>Heavy Equipment Operator</p> <p>Apprenticeship Programs: Electricity Insulation Installer</p>	<p style="text-align: center;">Miami Dade College</p> <p>A.S. Building Construction Technology (26033)</p>	<p style="text-align: center;">Florida International University</p> <p style="text-align: center;">Bachelor of Science</p> <p style="text-align: center;">Construction Management Civil Engineering</p>
CAREER	Sample Career Specialties (The Targeted Occupations List may be used to identify appropriate careers.)		
	<p>Construction Trades Helper</p> <p>Trades Apprentice</p> <p>Building Maintenance Worker</p>	<p style="text-align: center;">Building Maintenance Manager</p> <p style="text-align: center;">Carpenter</p> <p style="text-align: center;">Drywall Finisher</p>	<p style="text-align: center;">Civil Engineer</p> <p style="text-align: center;">Construction General Contractor</p> <p style="text-align: center;">Electrical Engineer</p> <p style="text-align: center;">Project Manager</p>
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/BS/BAS (Statewide and other local agreements may be included here)
	<p>Air-Conditioning, Refrigeration and Heating Technology (I470203) 1350 Hours</p> <p>The English Center Lindsey Hopkins Technical College Miami Lakes Ed. Center and Technical College Robert Morgan Ed. Center and Technical College</p> <p>Heavy Equipment Operation (I490202) 1200 hours</p> <p>Apprenticeship Programs: Electricity Insulation Installer</p> <p>Miami Lakes Educational Center and Technical College</p>	<p style="text-align: center;"><u>Miami Dade College Articulation Courses</u></p> <p>A.S. Building Construction Technology (26033) BCN 1272 - Building Construction Plans Interpretation 1 (3 credits)</p>	<p style="text-align: center;">Statewide Articulation Agreement Industry Certification to AAS/AS Degree Program</p> <p>NCCER Construction Technology (NCCER008) 3 credits to AS Building Construction Technology NCCER Carpentry Level 1 (NCCER005)3 credits to AS Carpentry Management NCCER Construction Technology (NCCER008) 3 credits to AS Architectural Design and Construction Technology http://www.fldoe.org/academics/career-adult-edu/career-technical-edu-agreements/industry-certification.stml</p>

Career and Technical Student Association

Technology Student Association or SkillsUSA

Internship/Work Experience Recommendations

Intern or work in construction trades, such as carpentry/framing, masonry, etc. Participate in Architecture, Construction, Engineering (ACE) Mentorship Program

Program of Study Graduation Requirements 2014-2015: [Program of Study Graduation Requirements Checklist](#)