


Career Cluster: Architecture & Construction/(STEM)
 Career Cluster Pathway: Construction

CTE Program: **Building Construction Tech. (I460401)**
 Industry Certifications: NCCER005

16 REQUIRED CREDITS

8 ELECTIVE CREDITS REQUIRED

	ENGLISH (4 credits)	MATH (4 credits)	SCIENCE (3 credits, 2 with lab)	SOCIAL STUDIES (3 credits)	CAREER EDUCATION PROGRAM COURSES	RECOMMENDED ELECTIVES (State University Aligned) (One virtual course is required)
	AP- Adv. Placement DE- Dual Enrollment	AP- Adv. Placement DE- Dual Enrollment	AP- Adv. Placement DE- Dual Enrollment	AP- Adv. Placement DE- Dual Enrollment	Other Requirements: Pass FCAT 2/PARC – Reading Level 3, pass Algebra I EOC, and 30% of EOC Exam for Biology, Algebra 2, Geometry, US History	

Dual enrollment and CTE courses satisfy graduation and Bright Futures Gold Seal Vocational Scholar requirements. Agriscience Foundations and Aerospace Technology satisfy core science requirements. State Approved industry certifications lead to college credit and may substitute for up to two high school credits of math and one credit of science. One online course and a 2.0 is required for graduation. Visit www.flvs.org and your counselor.

HIGH SCHOOL	9	English I or Honors (1)	Algebra 1 or Honors or Geometry/ Honors (1)	Earth & Space Science or Honors or AP Environmental Science (1)	World Geography or AP Human Geography or Intensive Reading (1)	Digital Design Technology (1) (*Art requirement)	HOPE (1)	Foreign Language1 or Intensive Math or Elective (1)	
	10	English 2 or Honors (1)	Algebra I/Honors or Informal Geometry or Geometry/ Honors (1)	Biology or Honors (1)	World History or Honors or AP (1)	Humanities or Intensive Reading(1)	Elective(1)	Foreign Language 2* or Intensive Math or Elective (1)	
	Students must take the TABE within 6 weeks of attending classes at the Immokalee Technical College. Students are encouraged to take the ACT, SAT or PERT during 11th grade						Program I460401 Building Construction Tech. at ITC (2 Pds)		
	11	English 3 or Honors or DE or AP (1)	Geometry or Honors or Algebra 2 or Honors or DE or AP (1)	Chemistry or Physical Science or DE or AP (1)	American History or Honors, DE or AP (1)	FL Virtual Course (1)	Building Construction Technology I460401: BCV0400 (450 hrs.)(Apprenticeships may be offered over the summer)		
	12	English 4 or Honors or DE or AP (1)	Algebra 2/Honors or College Ready Math or DE or AP (1)	Physics or Other Elective (1)	Am Gov/Economics or Honors or DE or AP (1)	Program I460401 Building Construction Technology at ITC (2-3 Periods)			
							Building Construction Technology I460401: BCV0401(300 hours), BCV0402 (300 hours) (Program may have to be completed after graduation)		

Based on this Career Cluster and identified career and identified technical education program, the following postsecondary options are available

POSTSECONDARY	TECHNICAL CENTER PROGRAM(S)	COMMUNITY COLLEGE PROGRAM(S)	UNIVERSITY PROGRAM(S)
	I460401 Building Construction Technologies (1050 hrs) - PSAV Certificate- ITC	-Architectural Design and Construction Technology, AS (66 hrs.) – FSW -Civil Engineering Technology – AS (63 cr.) FSW -Bldg. Const. Technology- AS (64cr.)– Broward College -Const. Mgmt. Tech. AS (62-65 cr.) - SCF	Hodges University -Information Systems Mgmt, BS including (48 hrs) of Design & Drafting Track -Design & Drafting, AS (60 hrs) -Interdisciplinary Studies, BS (122 hrs) w/ Building Construction Component (44hrs) Statewide -Technology Education Teacher, BS , (129 hrs)

ARTICULATIONS/ CREDIT	High School Students Dual Enrolled in PSAV Technical Center Program	Technical Center or High School to Community or State College	State and Community Colleges to Universities
	<p>PSAV: I460401 <u>Building Construction Technologies.</u></p> <p>OCP A Building Construction Helper(450) OCP B Building Construction Technician(300) OCP C Building Construction Technician(300)</p>	<p><u>Florida Southwestern State College</u> PSAV I460401 Program completers = up to(7 cr.) toward AS in Architectural Design & Bldg. Construction (66 cr.) and AS in Civil Engineering Technology (63 cr.)</p> <p><u>Statewide Articulation:</u> (1) <u>PSAV program I460401</u> to all state community colleges in Construction Technology, AAS/AS = (3 cr.) (2) <u>NCCER005 certification</u> = (3 cr.) toward AAS/AS in Carpentry Management</p>	<p><u>Statewide Articulation:</u></p> <p>-Regional AS Degree = 60 cr. toward BAS degree (120 cr.) in Applied Science</p>
Based on the Career Cluster of interest and identified CTE program the following sample career specialties			
CAREERS	Technical Centers	Community Colleges	4 Year Colleges and Universities
	<p>(DOL) Carpenters (DOL) Electricians (DOL) Glaziers (DOL) Maintenance and Repair Workers, General (DOL) Pipelayers (DOL) Plumbers, Pipefitters, and Steamfitters (DOL) Roofers (DOL) Sheet Metal Workers</p>	<p>(DOL) Construction Managers (HSHW) (DOL) First-Line Supervisor of Construction and Extraction Workers (HSHW) (DOL) Cost Estimator (HSHW) (DOL) Vocational Education Teacher, Postsecondary (HSHW) Construction Superintendent</p>	<p>General Contractor/Builder (DOL) Construction and Building Inspectors (HSHW) (DOL) General & Operations Managers (HSHW) Surveyors Urban & Regional Planner Project Manager Safety Engineer</p>
INDUSTRY CERTIFICATIONS			
<p><u>All certifications students have the opportunity to take while in this POS:</u> NCCER Core, National Center for Construction Education & Research NCCER005 - NCCER Carpentry-Level 1, National Center for Construction Education & Research</p>			
CAREER AND TECHNICAL STUDENT ASSOCIATION			
SkillsUSA, Inc.			
INTERNSHIP/WORK EXPERIENCE RECOMMENDATIONS			
<p>Work, intern, volunteer, shadow workers on a construction site, city or county government planning office. Attend a builders association meeting. Refer to http://collierschools.com/careertech/internships.htm for district approved internship opportunities.</p>			
*****	<p>Reviewed May 1, 2016 and updated annually. See your Counselor for the most recent plan as student schedules will vary based on the needs of the student. Find detailed graduation requirements at: http://www.fldoe.org/academics/graduation-requirements</p>		

Building Construction Technologies (ITC - Postsecondary) #I460401