


| Career Cluster: Architecture and Construction | | Secondary CTE Program: Building Construction Technologies 8720300 | | | | | | |
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| Career Cluster Pathway: Construction | | Industry Certifications: | 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 cr) PHYSICAL ED (1 cr) | CAREER AND TECHNICAL EDUCATION COURSES | RECOMMENDED ELECTIVES (Aligned with State University System Admissions) | |
| 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. • Students planning to enroll in any postsecondary degree program should take the Postsecondary Education Readiness Test (PERT) in eleventh grade if they do not earn college ready scores on the FCAT 2.0, or subject area end of course exam. | | | | | | | |
| | 9 | English/ Language Arts (ELA) I (1 credit) | Algebra or Higher | Earth & Space Science or Biology | | 9th Grade Transition AND Fine Arts Credit - Drafting 1 8725010 | Building Construction Technologies 1 8720310 AND Building Construction Technologies 2 8720320 | Foreign Language or Other Elective |
| | 10 | English/ Language Arts (ELA) II (1 credit) | Geometry or Higher | Biology or Chemistry | World History | Physical Education (1 credit) (Not required for ACCEL Program) | Building Construction Technologies 3 8720330 AND Building Construction Technologies 4 8720340 | Drafting 2 8725020 AND Foreign Language or Other Elective |
| | 11 | English/ Language Arts (ELA) III (1 credit) | Algebra II or Higher | Chemistry or Physics or Physical Science | United States History | | Building Construction Technologies 5 8720350 AND Building Construction Technologies 6 8720360 | Architecture and Construction Cooperative Ed-OJT 8700400 |
| | 12 | English/ Language Arts (ELA) IV (1 credit) | Pre-Calculus or Other Math Course | Science Elective or Other Elective | Economics (.5 cr) United States Govt. (.5 cr) | | Building Construction Technologies 7 8720370 | Architecture and Construction Directed Study 8700100 |

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| 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) |
| | Not Applicable | <u>Miami Dade College</u> <u>Associate of Science (AS)</u> Architectural Design and Construction Technology Building Construction Technology Drafting and Design Technology Interior Design Technology | Architecture Civil Engineering Construction Management Mechanical Engineering |
| CAREER | SAMPLE CAREER SPECIALTIES (The Targeted Occupations List may be used to identify appropriate careers.) | | |
| | Building Construction Helper Building Construction Technician / Assistant Project Manager Building Maintenance Worker Construction Trades Helper Construction Trades Journeyman | Building Construction Project Manager Building Maintenance Manager Carpenter Drywall Finisher Estimator | Architect Civil Engineer Construction General Contractor Electrical Engineer Residential Developer |
| CREDIT | ARTICULATION AND CTE DUAL ENROLLMENT OPPORTUNITIES | | |
| | Secondary to Technical Center (PSAV) (Minimum # of clock hours awarded) | Secondary to College Credit Certificate or Degree | PSAV/PSV to AAS or AS to BS or BAS |
| | Not Applicable | <u>Miami Dade College Articulated Courses</u> AS Degree in Building Construction Technology (26033) Building Construction Plans Interpretation 1 BCN1272 - 3 college credits <u>Gold Standard Career Pathways Statewide Articulation Agreement</u> Industry Certification Passed in High School to AAS/AS Degree Program NCCER Construction Technology - 3 college credits to AAS/AS Building Construction Technology <u>DUAL ENROLLMENT</u> ARC 1115 Architectural Communications I ARC 1301 Architectural Design I ARC 1002 Architectural Concepts of Construction | <u>Statewide Articulation Agreements</u> 1050 Clock Hours - Building Construction Technologies (PSAV) - 3 college credits to AAS/AS Degree in Building Construction Technology <u>Gold Standard Career Pathways Statewide Articulation Agreement - Industry Certification Passed in PSAV Program to AAS/AS Degree Program</u> NCCER Construction Technology - 3 college credits to AAS/AS Building Construction Technology <u>Associate Science to Baccalaureate Degree Statewide Articulation Agreement</u> AS Construction Technology to Bachelor Degree in Technology Teacher Education |
| Career and Technical Student Association | | | |
| SkillsUSA | | | |
| Internship / Work Experience Recommendations | | | |
| ACE Mentorship Program Participation, Construction Trades Internships | | | |