|  |  |
| --- | --- |
| Career Cluster: *Architecture and Construction* | CTE Program: *Carpentry* |
| Career Cluster Pathway: *Construction* | Industry Certification(s):  *See Below*  |
| Logo for Florida Career Clusters | 16 CORE CURRICULUM CREDITS | 8 ADDITIONAL CREDITS |
| ENGLISH4 credits | MATH4 credits | SCIENCE3 credits, 2 with lab | SOCIAL STUDIES3 credits | OTHER REQUIRED COURSESFINE ARTS (1 credit) PHYSICAL EDUCATION (1 credit) | CAREER AND TECHNICAL EDUCATION COURSES | **RECOMMENDED ELECTIVES**(ALIGNED WITH COMMUNITY COLLEGE & STATE UNIVERSITY SYSTEM PROGRAMS) |
| HIGH SCHOOL | Students are encouraged to use flchoices.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 I | Algebra 1, Algebra 1A, or Geometry | Biology I | None | Personal Fitness |  Building and Construction Technologies 1 | Performing Arts |
| 10th | English II | Algebra 1, Algebra 2 or Geometry | Physical Science or Chemistry I | World History | PE/ Band / JROTC |  Building and Construction Technologies 2 & 3 | Spanish 1 |
| 11th | English III | Algebra 2, Geometry, or Math for College Algebra | Science Elective | American History | PE / Band / JROTC |  Building and Construction Technologies 4 & 5 | Spanish 2 |
| 12th | English IV | Math for College Algebra or Pre-Calculus, Calculus | Science Elective | American Government/ Economics | Fine Arts or Practical Arts |  Building and Construction Technologies 6 & 7  |  |
| 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)** |
| iTech Glades Technical College | Florida State College at Jacksonville, Hillsborough Community College, Seminole State College of FloridaIndian River State College | University of Florida, Everglades University, Florida Institute of Technology, Florida International University |
| CAREER | **Sample Career Specialties (The Targeted Occupations List may be used to identify appropriate careers.)** |
| Construction Worker, Carpenters, Cement Masons and Concrete Finishers, Electricians, Plumbers, Pipefitters | Construction and Building Inspectors, First-Line Supervisors of Construction Trades and Extraction Workers | Construction Manager, Architect |
| CREDIT |  |
| **Secondary to Technical Center (PSAV)** | **Secondary to College Credit Certificate or Degree** | **PSAV/PSV to AAS or AS/BS/BAS** |
| **None** | ***Indian River State College*** EGN 1111 Engineering Graphics 3 creditsBCN 1250 Architectural Drafting Principles 3 creditsETD 1320 Introduction to AutoCad 3 credits  | **None** |
| **CERTIFICATIONS** | **HBINS002 Pre-Apprenticeship Certificate Training (PACT), Building Construction Technology****HBINS003 HBI Pre-Apprenticeship Certificate Training (PACT), Carpentry****HBINS004 HBI Pre-Apprenticeship Certificate Training (PACT), Core****HBINS005 HBI Pre-Apprenticeship Certificate Training (PACT), Core Green****ADESK008 Autodesk Certified User-Revit Architecture (articulates to 3 credits to the AS degree in Building Construction Technology)****ADESK008 Autodesk Certified User-Revit Architecture (articulates to 3 credits to the AS degree in Computer-Aided Drafting and Design)** |
| **Career and Technical Student Association** |
| ***SKILLS USA*** |
| **Internship/Work Experience Recommendations** |
| **Building and Construction OJT** |

Program of Study Graduation Requirements 2022-2023: <http://www.fldoe.org/workforce/perkins/pdf/POS-GradChecklist.pdf>