

Career Cluster: Architecture & Construction/(STEM)
 Career Cluster Pathway: Design/Pre-construction

CTE Program: **Drafting (C100200)**
 Industry Certification: ADESK002,011,022,025

16 REQUIRED CREDITS

8 ELECTIVE CREDITS REQUIRED

<i>Collier County Program of Study</i>	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)
	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	(One virtual course is required)

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 Sci. or Honors or AP Environmental Science (1)	World Geography or AP Human Geography or Intensive Reading(1)	Digital Information Technology (1) (*Art requirement)	HOPE (1)	Elective or Foreign Lang.1 or Intensive Math (1)	
	10	English 2 or Honors (1)	Informal Geometry or Geometry/Honors or Algebra 2 or Honors (1)	Biology or Honors (1)	World History or Honors or AP (1)	Humanities or Intensive Reading (1)	Any Elective (1) or Intensive Math (1)	Elective or Foreign Language 2* (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 C100200 Drafting at ITC (2-3 Periods)		
	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)	Drafting: C100200 TDR0070(150), begin TDR370 (450)=(Required Art graduation requirement) (Summer courses may be offered)		
	12	English 4 or Honors or DE or AP (1)	Algebra 2/Honors or Math for College Readiness or DE or AP (1)	Physics or Any Elective or TDR775(1)	American Gov/ Economics or Honors or DE or AP (1)	Program C100200 Drafting at ITC (2-3 Periods) Drafting C100200 Complete TDR 370 –OCP B (Students will have to complete program after graduation) TDR0775 (150), TDR0776 (150) - OCP C, TDR0570 (150) – OCP D, TDR0874 (150)- OCP E			
	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)
	<u>LWTC and ITC</u> C100200 Drafting – (1500 hrs.) - PSAV Certificate	-Architectural Design & Construction Technology, AS ,(62 cr.) - FSW -Drafting & Design Technology, AS/AAS (64 cr.) - statewide -Architectural Design & Const. Tech., AS , (66 cr.) FSC	-Information Systems Mgmt, BS including (48 cr.) of Design & Drafting Track - Hodges University -Design & Drafting, AS (60 cr.) - Hodges University -Technology Education Teacher, BS , (129 cr.) - Statewide - Architecture, BDes , (120 cr.) UF - Interior Design, BS/BA ,(120 cr.) FSU -Computer Science, BS (120 hrs) w/ concentration in Engineering - FGCU -Information Systems Mgmt, BS including (48 hrs) of Design & Drafting Track - Hodges -Interdisciplinary Studies, BS (120hrs) w/ Building Construction concentration of (44 hrs) – Hodges

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 align="center">Dual Enrollment Drafting PSAV: C100200</p> <p>TDR0070 Blueprint Reader – 150 hrs – OCP A TDR0370 Drafting Assistant -450 hrs - OCP B TDR0775 Drafting Detailer 1 – 150 hrs TDR0776 Drafting Detailer 2 – 150 hrs – OCP C TDR0570 Architectural Drafter – 150 hrs – OCP D TDR0874 Civil Drafter – 150 hrs – OCP E TDR0777 Mechanical Drafter – 150 hrs – OCP F TDR0875 Structural Drafter – 150 hrs – OCP G</p>	<p>-PSAV Drafting to up to (10 cr.) toward Architectural Design & Const. Technology (66 cr.) or Civil Engineering Technology (63 cr.) - FSW</p> <p>-Drafting 1 and 2 = Intro. to CAD, (4 cr.) -Hodges Univ. -Drafting 3-5 = Civil Drafting, (4 cr.)- Hodges Univ.</p> <p align="center">Statewide:</p> <p>(1) - ADESK002 certification = (3 cr.) toward AAS/AS in Drafting Design Technology or Arch. Design and Construction Technology (2) -ADESK022 certification = (3 cr.) toward AAS/AS in Arch. Design and Construction Technology</p>	<p>FL Southwestern State College to Hodges University:</p> <p>Interdisciplinary Studies, BS (62 hrs) College of Education: Drafting Teacher, BS, (62 hrs)</p> <p align="center">Statewide:</p> <p>-Technology Education, AS to Technology Education Teacher, BS (63 hrs. toward 129 hrs) -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
	Architectural and Civil Drafter Computer Aided Drafter (CAD) Drafting Assistant Cabinet Maker Designer Trainee (CAD) Blueprint Reader	Architectural Detailer (DOL) Surveying and Mapping Technicians (DOL) Vocational Education Teacher, Postsecondary (HSHW) Compliance Officers, Exc. Safety, Agriculture, Construction & Transportation (DOL) Construction and Building Inspectors* (HSHW) (DOL) First-line Supervisor of Construction & Extrac.(HSHW)	Architect Landscape Architect Landscape Designer Surveyors (DOL) Construction Manager (HSHW) (DOL) Cost Estimators (HSHW) (DOL) Interior Designers (DOL) Civil Engineer (HSHW)
INDUSTRY CERTIFICATIONS			
<p>All certifications offered to students in this POS: ADESK002 Autodesk Certified User - AutoCAD, Autodesk ADESK021 Autodesk Certified Professional AutoCAD, Autodesk ADESK022 Autodesk Certified Professional - AutoCAD Architecture, Autodesk</p>			
CAREER AND TECHNICAL STUDENT ASSOCIATION			
SkillsUSA, Inc.			
INTERNSHIP/WORK EXPERIENCE RECOMMENDATIONS			
Work, volunteer, intern or shadow for Landscape Architect, Architectural Architect or others. Intern and shadow at the city or county planning department, construction or land development companies. Refer to http://collierschools.com/careertech/internships.htm for district approved internship opportunities.			
****	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		

Drafting (ITC - Postsecondary) #C100200