

Career Cluster: Architecture and Construction
 Career Cluster Pathway: Design/Pre-Construction

CTE Program: **Drafting (C100200)**
 Industry Certification: ADESK002,008,021,025

18 CORE CURRICULUM CREDITS

12 ADDITIONAL CREDITS

<i>Collier County Program of Study</i>	ENGLISH (4 credits)	MATH (4 credits)	SCIENCE (4 credits, 2 with lab)	SOCIAL STUDIES (4 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	<u>Other Requirements:</u> 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 1 or English 1 Honors (1)	Algebra I or Higher Level Math (1)	Earth Space Science or Honors (1)	Geography and History of the World or AP Human Geo.(1)	Advanced Communication or Intensive Reading (1)	HOPE (1) (Florida Virtual)	Spanish I or Higher Level Course (1)	
	10	English 2. or English 2 Honors (1)	Geometry or Higher Level Math (1)	Biology or Biology Honors (1)	World History or World History Honors or AP (1)	Digital Information Technology (1)	Semantics & Logic (.5) / Adv. Reading (.5) or Intensive Reading (1)	Spanish 2 or Higher Level Course (1)	
	<u>Students take the TABE within 6 weeks of attending classes at LWITC and are encouraged to take the ACT, SAT or PERT during 11th grade.</u>					Program C100200 Drafting at Lorenzo Walker Technical College			
	11	English or English 3 Honors or AP English Comp. (1)	Algebra II or Higher Level Math (1)	Chemistry (1)	American History or AH Honors or AP (1)	Drafting: C100200 TDR0070(150) – OCP A, TDR370 (450)- OCP B (Students may complete TDR0777 (150)- OCP F, TDR0875 (150) - OCP G during summer school between 11th and 12th grades)			
	12	English 4 or English 4 Honors or AP (1)	Precalculus or Pro. & Stats. or Higher Level Math	Genetics (1)	American Govt./ Economics or Honors or AP (1)	Drafting: C100200 TDR0775 (150), TDR0776 (150) - OCP C, TDR0570 (150) – OCP D, TDR0874 (150)- OCP E			
	<u>Based on this Career Cluster and identified career and identified technical education program, the following postsecondary options are available</u>								

POSTSECONDARY	TECHNICAL CENTER PROGRAM(S)	COMMUNITY COLLEGE PROGRAM(S)	UNIVERSITY PROGRAM(S)
	<u>LWTC and ITC</u> C100200 Drafting – (1500 hrs.) – PSAV Vocational Certificate	-Architectural Design & Const. Tech., AS , (66 cr.) FSC and FSW (63 cr.) -Computer Aided Drafting – AS , (72 cr.) – Keiser University -Construction Mgmt. Tech.- AS (62-65 cr.) SCF -Architectural Drafting & Const. Tech- AS – (66-71 cr.) - SPC	-Information Systems Mgmt, BS including (48 cr.) of Design & Drafting Track - Hodges University -Technology Education Teacher, BS , (129 cr.) - Statewide - Architecture, BDes , (120 cr.) UF - Interior Design, BS/BA ,(120 cr.) FSU –Comp. Sci., BS (120 cr.) w/ concentration in Engineering - FGCU -Information Systems Mgmt, BS including (48 cr.) of Design & Drafting Track - Hodges -Interdisciplinary Studies, BS (120 cr.) w/ Building Construction concentration of (44 cr.) – Hodges

ARTICULATIONS/ CREDIT	High School Students <u>Dual Enrolled</u> in PSAV Technical Center Program	Technical Center or High School to Community or State College	State and Community Colleges to Universities
	LWTC PSAV: C100200 Drafting (1500 hrs) 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	-PSAV Drafting to up to (10 cr.) toward Architectural Design & Const. Technology AS (66 cr.) or Civil Engineering Technology AS (63 cr.) - FSW Drafting 1 and 2 = Intro. to CAD, (4 cr.), Hodges Univ. Drafting 3-5 = Civil Drafting, (4 cr.), Hodges Univ. Statewide: (1) - ADESK008 certification = (3 cr.) toward AAS/AS Arch. Design and Const. Tech. or Bldg. Const. Tech. or Drafting and Design Technology (3) - ADESK002 certification = (3 cr.) toward AAS/AS in Drafting & Design Technology or Arch. Design and Construction Technology (4) - ADESK021 certification = (3 cr.) toward AAS/AS in Drafting and Design Technology (5) - ADESK025 certification = (3 cr.) toward AAS/AS in Arch. Design and Construction Technology	FL Southwestern State College to Hodges University: Interdisciplinary Studies, BS (62 hrs) College of Education: Drafting Teacher, BS, (62 hrs) Statewide: -Drafting and Design Technology , AS to Technology Education Teacher, BS (63 hrs. toward 129 hrs) -Regional AS Degree = (60 cr.) toward BAS degree (120 cr.) in Applied Science
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, PS, (HSHW) (DOL) Compliance Officers, Exc. Safety, Agriculture, Construction & Transportation (HSHW) (DOL) Construction and Building Inspectors* (HSHW) (DOL) First-line Supervisor of Construction & Extraction	Architect Landscape Architect Surveyors (DOL) Construction Manager (HSHW) (DOL) Cost Estimators (HSHW) (DOL) Interior Designers (DOL) Civil Engineers (HSHW)
INDUSTRY CERTIFICATIONS			
All certifications students have the opportunity to take while in this POS: ADESK002 Autodesk Certified User - AutoCAD, Autodesk ADESK008 Autodesk Certified User – Revit Architecture, Autodesk ADESK021 Autodesk Certified Professional – AutoCAD, Autodesk ADESK025 Autodesk Certified Professional- Revit Architecture, Autodesk			
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 (LWTC - Postsecondary) #C100200