


Career Cluster: [Information Technology](#)

Program: Database & Programming Essentials (ORACLE)

Career Cluster Pathway: Information Support and Services

Eligible Recipient: Pinellas County Schools Students

	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	CAREER AND TECHNICAL EDUCATION COURSES Major Area of Interest:	RECOMMENDED ELECTIVES (Aligned with State University System Admissions)
					FINE ARTS (1 cdt) PHYSICAL EDUCATION (1 cdt)		

Career Cluster of interest identified by students enrolled in required middle school career education course that includes interest assessment and career exploration through CHOICES and ePersonal Education Planner through FACTS.org.

HIGH SCHOOL	9	English 1 or English 1 H	Algebra 1A or 1 or 1H or Geometry or Geometry 1H	Earth Science or Biology 1 H	American Gov't. or H	H.O.P.E.. or Fine Arts elective	Intro. To Information Technology	Foreign Language
	10	English 2 or English 2 H	Algebra 1B or Geometry or Algebra 2 or 2H	Biology or Chemistry 1 or 1H	World History or H	H.O.P.E.. or Fine Arts elective	Data Base Fundamentals & Data Control and Functions	Foreign Language
	11	English 3 or English 3H	Geometry or Algebra 2 or Trig/Analytic Geometry	Chemistry or Career related science	American History or H or AP	Elective	Specialized Programming	Elective
	12	English 4 or English 4 H or AP	Algebra 2 or Trig/An. Geom or Calculus (AP) or Statistics (AP)	Physics or Career related science	Economics or H	Elective	Specialized Database Applications	Elective

Dual enrollment courses may be used to satisfy high school graduation or Bright Futures Gold Seal Vocational Scholars course requirements. Secondary career and technical education programs may lead to industry recognized certificates, occupational opportunities or postsecondary education options. Based on the Career Cluster of interest and identified career and technical education program, the following postsecondary options are available.

POSTSECONDARY	TECHNICAL CENTER PROGRAM(S) PC Support Services	COMMUNITY COLLEGE PROGRAM(S) Database Technology (A.S.) Oracle Cert. Database Administrator (Cert.)* Oracle Certified Database Developer (Cert.)* Associate of Arts Degree Program	UNIVERSITY PROGRAM(S) Technology Management Computer Systems Analysis Information Technology Information Systems <i>To search for Florida schools offering these majors provided by FACTS.org, click here</i>
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Possible Careers by Educational Level

Click on career title for more information. For a complete listing of occupations in this Career Cluster [click here](#)
To see questions and answers regarding this cluster provided by Virtual-Mentor.net, [click here](#)

CAREER	TECHNICAL CENTER Computer Support Specialists	COMMUNITY COLLEGE Database Administrators Information Systems Managers	UNIVERSITY Database developer Computer Programmers
	Secondary to Technical Center (PSAV)	Secondary to College Credit Certificate or Degree Academy of Database Program	PSAV/PSV to AAS or AS to BS or BAS

Possible Industry Certifications (Students)

High School:
Postsecondary: