



Pathway: Business Information Technology

Plan of Study: Database Administrator

Career Goal (O*Net Code): Database Administrator (15-1061), Help Desk/Call Support (15-1041), Data Tester (15-1051), Data Modeler (15-2031), Security Expert (15-1071), Administrator (15-1061)

Suggested High School Courses

High School	9 th	Core Academic Courses*:	English 101, Algebra 1, Biology, Civics	Suggested Electives:	P.E./Weights, Art
		Career Path Courses:	Computer Applications (Intro to Office Applications/Intro to Multimedia)		
10 th	Core Academic Courses*:	English 102, Geometry, Biology II/Intro to Chemistry, World History		Suggested Electives:	Foreign Language I, Advanced Art
	Career Path Courses:	Intro to Business			
11 th	Core Academic Courses*:	English 103, Algebra II, Chemistry to Anatomy, American History		Suggested Electives:	Foreign Language II, Journalism
	Career Path Courses:	Advanced Computers (Desktop Publishing/Adobe PhotoShop)			
12 th	Core Academic Courses*:	English 104, Algebra III or Stats, Physics or Anatomy, Psychology or Government		Suggested Electives:	Journalism, Economics
	Career Path Courses:	Accounting			

Secondary to Postsecondary Linkages & Certifications

Recognition for Advanced Learning	Postsecondary Credit Options: PPCC Articulated Credit, PSEO
	Industry Recognized Certificate(s) or License(s):

	Colorado Postsecondary Programs Available	Colorado Institutions	Entrance Exams/ Requirements	
Postsecondary Education Opportunities	Certificate	Database Programmer, Database Administrator, Business Data Processing, Computer Information Systems, Computer Systems Technology, Information Security Specialist, Information Technology	Programs available at many Colorado Community Colleges and area technical schools. For more information, go to www.collegeincolorado.org	High school diploma, GED
	Associate Degree	Computer Information Systems, Computer Science, Computer Support Professional, Computer Technologies, Information Technology	Aims Community College, Arapahoe CC, CC of Aurora, Front Range CC, Pikes Peak CC, Pueblo CC, Red Rocks CC, Trinidad State Junior College, Mesa State College, Colorado Mountain College, CC of Denver, Northeastern Junior College	High school diploma, GED
	Bachelor Degree	Computer Science	Adams State College, Colorado State University, Fort Lewis College, Mesa State College. For more information about colleges that have these programs go to www.collegeincolorado.org	See each school's Admissions website
	Graduate Degree	Computer Science MS and PhD	University of Colorado-Boulder, University of Colorado-Denver, University of Colorado-Colorado Springs. For more information about colleges that have these programs go to www.collegeincolorado.org	See each school's Admissions website

Cluster Overview: The **Management and Administration Career Cluster** prepares students for careers that encompass planning, organizing, directing and evaluating business functions essential to efficient and productive business operations. Business Management and Administration career opportunities are available in every sector of the economy.

Extended Learning Experiences

<p>Curricular Experiences:</p> <p>FBLA Skills USA School Newspaper School Yearbook</p>	<p>Extracurricular Experiences:</p> <p>Tutoring Program Technology Student Association</p>
<p>Work-Based Learning Experiences:</p> <p>Career Preparation – Paid and Unpaid, Job Shadowing, Internships</p>	<p>Program Accreditation and/or Professional Association(s):</p> <p>National FBLA – Phi Beta Lambda Information Technology Association of America Association for Women in Computing Business Forms Management Association Help Desk Institute</p>
<p>Service Learning Experiences:</p> <p>Tutoring/Mentorship Programs</p>	

Career Options:		Salary Range:
Certificate	Database Administrator, Help Desk/Call Support	\$-\$
Associate Degree	Data Modeler, IT Support Member, Data Tester	\$
Bachelor Degree	Security Expert, Data Communications Analyst, Interface Developer, Program Manager	\$\$-\$\$\$
Graduate Degree	Communications Engineer, Communication Manager, Chief Information Officer, Database Analyst	\$\$\$-\$\$\$\$

* \$ = \$15-25,000; \$\$ = \$25-55,000; \$\$\$ = \$55-90,000; \$\$\$\$ = Above \$90,000

Peyton High School does not discriminate on the basis of race, color, national origin, sex, disability or age in its programs or activities. Please direct inquiries to: *Mary Krisko, Counselor, 719-749-0417.*