



# PLAN OF STUDY

## DATABASE ADMINISTRATOR

### Business

PATHWAY: **Business Information  
Technology**

PLAN OF STUDY: **Database Administrator**





# Pathway: Business Information Technology

## Plan of Study: Database Administrator

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

### Suggested High School Courses

Pueblo City Schools – High School	9th	Core Academic Courses*:	9th Literature & Composition, Geometry, Integrated Physical Earth & Space, US History 1	Suggested Electives: Digital Media
		Career Path Courses:	Computer Applications	
	10th	Core Academic Courses*:	10th Composition & Literature, Algebra 2, Biology 1, World Language 1	Suggested Electives: Business Finance, Marketing
		Career Path Courses:	Principles of Business, Advanced Computer Applications	
	11th	Core Academic Courses*:	Vocabulary/Grammar/Expos Review, Trigonometry, Chemistry 1, World Language 2	Suggested Electives: Web Design & Desktop Publishing, Information Technology, Advanced Marketing, Business Management
		Career Path Courses:	Computer Information Systems (STS)	
	12th	Core Academic Courses*:	English 101/102 STS, College Algebra, Physics 1 Honors, World Language 3	Suggested Electives: Career Connections, Web Design & Desktop Publishing, Information Technology
		Career Path Courses:	Career Connections Internship	

### Secondary to Postsecondary Linkages & Certifications

Recognition for Advanced Learning	<b>Postsecondary Credit Options:</b> Four (4) Senior-to-Sophomore credits with CSU-Pueblo for Computer Information Systems
	<b>Industry Recognized Certificate(s) or License(s):</b>

Postsecondary Education Opportunities	Postsecondary Programs Available in Colorado		Colorado Institutions	Entrance Exams/ Requirements
	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: <a href="http://www.collegeincolorado.org">www.collegeincolorado.org</a>	High School diploma/ GED
	Associate Degree	Computer Information Systems Computer Science, Computer Support Professional, Computer Technologies, Information Technology	Aims Community College, Arapahoe Community College, Community College of Aurora, Front Range Community College, Pikes Peak Community College, Pueblo Community College, Red Rocks Community College, Trinidad State Junior College, Mesa State College, Colorado Mountain College, Community College 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 More options: <a href="http://collegeincolorado.org">collegeincolorado.org</a>	See each school's Admissions website.
	Graduate Degree	Computer Science, MS & PhD	University of Colorado-Boulder, University of Colorado-Denver, University of Colorado-Colorado Springs More options: <a href="http://collegeincolorado.org">collegeincolorado.org</a>	See each school's Admissions website.

These Colorado institutions do not discriminate on the basis of race, color, national origin, sex, disability or age in its programs or activities. Please direct inquiries to the Colorado institution's AA/EEO officer.

**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**

**Curricular Experiences:**

Future Business Leaders of America  
DECA  
FCCLA

**Extracurricular Experiences:**

School Class Officer  
School Newspaper  
Yearbook  
Speech and Debate

**Work-Based Learning Experiences:**

Career Preparation – Paid and Unpaid, Job Shadowing, Internships

**Program Accreditation and/or Professional Association(s):**

Association for Women in Computing  
Business Forms Management Association  
Help Desk Institute  
Information Technology Association of America  
International DECA  
National Future Business Leaders of America-Phi Beta Lambda

**Service Learning Experiences:**

Community Service Learning (volunteering) as part of Pueblo City Schools' Interscholastic Activity requirement

**Career Options:**

**Salary Range:**

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

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

Pueblo City Schools does not discriminate on the basis of disability, race, color, religion, sex, national origin, or age in access to, employment in, or in the provision of any of Pueblo City Schools' programs, benefits, or activities. Inquiries regarding Pueblo City Schools' compliance with Title IX, Section 504, Title VI, Title VII, Americans with Disabilities Act – 1990, and Affirmative Action may be referred to the Equal Employment Opportunity/Affirmative Action Compliance Officer for Pueblo City Schools, 315 West 11th St., Pueblo, CO (719-549-7162).

Si hay preguntas sobre esta informacion por favor de llamar la escuela de su niños.



# Personal Learning Plan

## Student Information

Name \_\_\_\_\_

Career Cluster or Career Pathway of Interest \_\_\_\_\_

Plan Last Reviewed On: \_\_\_\_/\_\_\_\_/\_\_\_\_ Grade: 7 8 9 10 11 12

## Coursework

	Middle School	9th Grade	10th Grade	11th Grade	12th Grade	Advanced Coursework	PCS Diploma with CTE endorsement (credits earned)
Language Arts							
Math							
Science							
Social Studies							
Career & Tech Courses							
Additional Requirements & Electives							

## Extended Learning

	Middle School	9th Grade	10th Grade	11th Grade	12th Grade	Advanced Coursework	PCS Diploma with CTE endorsement (credits earned)
School Activities							
Community Activities							
Work-based Learning/ Experience							