


Crede

	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				
High School * Default includes CDHE Higher Education Admission Requirements	9 th	Core Academic Courses*:	9 th Grade Language & Literature, Algebra II, Physical Science, World Geography, Physical Education	Suggested Electives: Spanish I, Fitness and Food
		Career Path Courses:	Introduction to Business, Word Processing I	
	10 th	Core Academic Courses*:	10 th Grade Literature and Composition, Geometry, Biology, Modern World History, Foreign Language I	Suggested Electives: Spanish II, Personal Finance, Creative Writing, Teen Challenges
		Career Path Courses:	Computer Applications	
	11 th	Core Academic Courses*:	American Literature, Pre-Calculus, Chemistry, American Government	Suggested Electives: Accounting I, Web Design, Networking, Marketing, ACT Prep
		Career Path Courses:	Word Processing II, Business Law	
	12 th	Core Academic Courses*:	Senior Seminar, Business Math or other Math, Forensic Science, Senior Skills	Suggested Electives: Accounting II, Digital Video Production, A+ Computer Repair, College Prep
		Career Path Courses:	Vocational Business	

Secondary to Postsecondary Linkages & Certifications	
Recognition for Advanced Learning	Postsecondary Credit Options: Articulated Credit
	Industry Recognized Certificate(s) or License(s): Microsoft Office Specialist and IC3 Certification

		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	<i>7570</i> Programs available at many Colorado Community Colleges and Area Technical Schools. For more information go to: www.collegeincolorado.org	High School diploma/GED Accuplacer
	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 Accuplacer
	Bachelor Degree	Computer Science	Adams State College, Colorado State University, Fort Lewis College, Mesa State College More Options: www.collegeincolorado.org	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: www.collegeincolorado.org	See each school's Admissions website.

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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:	Extracurricular Experiences:	
Future Business Leaders of America Knowledge Bowl	Computer Tutor School Newspaper Technology Student Worker	
Work-Based Learning Experiences:	Program Accreditation and/or Professional Association(s):	
Career Preparation – Paid and Unpaid, Job Shadowing, Internships	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:		
Creede Historical Society Creede Repertory Theatre Creede BPOE Lodge #506		
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

Insert Institution Name Here does not discriminate on the basis of race, color, national origin, sex, disability or age in its programs or activities. Please direct inquiries to: *Insert name, address and telephone number of AA/EEO officer*

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