



## Pathway: Business Information Technology

### Plan of Study: Computer/Digital-Media

**Career Goal (O\*Net Code):** Film and Video Editor (27-4032.00); Web Developer 15-1099.04); Desktop Publishing 43-9031.00; Photographer 27-4021.00; Graphic Designer 27-1024.00; Video-Editor 27-4032.00; Office & Administrative Support (43-9199.99)

#### Suggested High School Courses

High School * Default includes CDHE Higher Education Admission Requirements	9 <sup>th</sup>	Core Academic Courses*:	English I, Algebra I, Earth or Environmental Science, State History/Civics	Suggested Electives: Computer Applications
		Career Path Courses:	Computer Applications	
	10 <sup>th</sup>	Core Academic Courses*:	English II, Geometry, Biology, US History, Foreign Language I	Suggested Electives: Yearbook; Computer Applications.
		Career Path Courses:	Sony Vegas 6.0	
	11 <sup>th</sup>	Core Academic Courses*:	English III, Algebra II/ or other, Chemistry; Foreign Language	Suggested Electives Yearbook; HTML  Computer Applications
		Career Path Courses:	Multi-Media	
	12 <sup>th</sup>	Core Academic Courses*:	English IV, Trigonometry or other Math, Botany or other lab based science; Senior Seminar; College Composition	Suggested Electives: Journalism, Newspaper; Yearbook Multimedia
		Career Path Courses:	Job Shadowing; Web Design	

#### Secondary to Postsecondary Linkages & Certifications

Recognition for Advanced Learning	<b>Postsecondary Credit Options:</b> PIKES PEAK COMMUNITY COLLEGE High School Requirements One Year of Computer Applications
	<b>Industry Recognized Certificate(s) or License(s):</b> Technical Trade School; Associates Degree; Bachelor's of Science Degree; Master's of Arts Degree. Certificate of Vocation

		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; Desktop Publishing	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 Accuplacer
	Associate Degree	Computer Information Systems Computer Science, Computer Support Professional, Computer Technologies, Information Technology, Graphic Designer, Web Developer, Video Editor	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 and Technical Trade School	High School diploma/GED Accuplacer
	Bachelor Degree	Computer Science	Adams State College, Colorado State University, Fort Lewis College, Mesa State College More Options: <a href="http://www.collegeincolorado.org">www.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://www.collegeincolorado.org">www.collegeincolorado.org</a>	See each school's Admissions website.

Career & Technical Education is delivered through the Colorado Community College System

[www.cccs.edu](http://www.cccs.edu)



**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**

<b>Curricular Experiences:</b>  Future Business Leaders of America Yearbook	<b>Extracurricular Experiences:</b>  School Newsletter Yearbook 4-H
<b>Work-Based Learning Experiences:</b>  Career Preparation – Paid and Unpaid, Job Shadowing, Internships	<b>Program Accreditation and/or Professional Association(s):</b>  National Future Business Leaders of America 4-H
<b>Service Learning Experiences:</b> Community Service Organizations Local Newspaper reporter Class Officer FBLA Officer	

<b>Career Options:</b>		<b>Salary Range:</b>
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

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