



Pathway: Business Information Technology

Plan of Study: Computer & Digital Media Applications

Career Goal (O*Net Code): Examples: Film & Video Editor (27-4032.00); Web Developer (15-1099.04); Desktop Publisher (43-9031.00); Photographer (27-4021.00); Graphic Designer (27.1024.00); Multimedia Artist (27-1014.00); Office and Administrative Support (43-9199.99)

Suggested High School Courses

High School * Default includes CDHE Higher Education Admission Requirements	9 th	Core Academic Courses*:	English I, Geography, Earth Science, Pre-Algebra/Algebra I	Suggested Electives: Introduction to Business
		Career Path Courses:	Computers I (required)	
	10 th	Core Academic Courses*:	English II, Algebra I or II, World History, Biology,	Suggested Electives: Yearbook, Art, Accounting
		Career Path Courses:	Computer II (includes digital media)	
	11 th	Core Academic Courses*:	English III, Geometry, Alg. II, U.S. History, Environmental Science	Suggested Electives: Yearbook, Art, Drama, Accounting, Speech, Economics, Business & Office Systems, World History, Psychology, Foreign Lang.
		Career Path Courses:	Computers II (includes Web Design, Photoshop & Premiere Elements), Office Systems	
	12 th	Core Academic Courses*:	English IV, Alg. II, Pre-Calculus, Government, Chemistry/Physics Consumer Math	Suggested Electives: Yearbook, Art, Speech, Economics, Drama, Business & Office Systems/Career Develop., Psychology, Foreign Lang.
		Career Path Courses:	Business & Office Work Study	

Secondary to Postsecondary Linkages & Certifications

Recognition for Advanced Learning	Postsecondary Credit Options: MCC & NJC Articulation (Concurrent Credits),
	Industry Recognized Certificate(s) or License(s): MOUS Certification Microsoft Certified Systems Engineer (MCSE)

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, Web Page/Digital/Multimedia & Information Resources Design	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, Web Page/Digital/Multimedia & Information Resources Design	Community Colleges: Aims, Arapahoe, Aurora, Denver, Front Range, Pikes Peak, Pueblo, Red Rocks Junior Colleges: Aims, Morgan, Northeastern, Trinidad, Lamar, Otero Technical Colleges: Westwood College of Denver More Options: www.collegeincolorado.org	High School diploma/GED Accuplacer
	Bachelor Degree	Computer Science, Animation/Interactive Technology/Video Graphics and Special Effects, Computer/Information Technology Service Administration and Management, Web Page/Digital/Multimedia & Information Resources Design, Business Administration	Four-year Colleges in Colorado: Adams State, Colo. State-Ft. Collins & Pueblo, Fort Lewis, Mesa State, Northern Colorado, Denver University, Metro State, Regis, University of Colorado – Boulder & Colo.Spr. More Options: www.collegeincolorado.org	See each school's Admissions website.
	Graduate Degree	Computer Science, MS & PhD	Colleges: University of Colo.-Boulder, Denver, Colo. Springs, Denver University More Options: www.collegeincolorado.org	See each school's Admissions website.

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

www.cccs.edu



Cluster Overview: The **Information Technology Career Cluster** prepares students for careers that encompass designing, developing, supporting, and managing hardware, software, multimedia and system integration services. Computer and digital media career opportunities continue to be in demand in every sector of the business and technical world.

Extended Learning Experiences		
Curricular Experiences: Future Business Leaders of America Work Study Computer Lab Aide Office/Student Aide	Extracurricular Experiences: Computer Lab Facilitator School Yearbook Student journalist/photographer for local paper Community Ed tutor Speech & Drama Fundraising Chairperson	
Work-Based Learning Experiences: Work Study Student journalist/photographer for local paper Job Shadowing Personal entrepreneurial endeavors	Program Accreditation and/or Professional Association(s): National Future Business Leaders of America-Phi Beta Lambda Colorado Press Association	
Service Learning Experiences: Develop web sites, power point programs, brochures, and video productions for local entities. Fundraising volunteer		
Career Options:		Salary Range:
Certificate	Office and Administrative Support, Help Desk/Call Support Web Developer, Photographer, Desktop Publisher, Graphic Designer, Multimedia Designer/Artist, Film & Video Editor	Search collegeincolorado.org for current salary \$
Associate Degree	Website Designer, Multimedia Designer/Artist, Information Resources Designer, IT Support Member, , Desktop Publisher, Graphic Designer, Multimedia Designer/Artist, Film & Video Editor	Search collegeincolorado.org for current salary \$\$
Bachelor Degree	Database Manager, Computer Programmer, Technology Coordinator, Business Administrator, Multimedia Design/Artist, Information Resources Designer	Search collegeincolorado.org for current salary \$\$\$
Graduate Degree	Chief Information Officer, Management Information Systems Analyst, Database Analyst	Search collegeincolorado.org for current salary \$\$\$\$

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

Arriba-Flagler CSD#20 does not discriminate on the basis of race, color, national origin, sex, disability or age in its programs or activities. Please direct inquiries to: Pam Fagerlund, Vocational Business Education Dept., Flagler High School, P.O. Box 218, Flagler, CO 80815
Phone: 719-765-4684, ext. 245.