



Career Plan of Study—Baker High School



Pathway Options: Network Systems, Information Support and Services, Web and Digital Communications, Programming and Software Development

Overview: Information Technology careers encompass entry level, technical, and professional careers related to the design, development, support and management of hardware, software, multimedia, and systems integration services.

This plan of study should serve as a guide, along with other career planning materials, as you continue your career path. Courses listed within this plan are only recommended coursework and should be individualized to meet each learner’s educational and career goals. All plans should meet high school graduation requirements as well as college entrance requirements.

	9th Grade	10th Grade	11th Grade	12th Grade
High School	*English 9 *Math	*English 10 *Math	*Composition 11/English Electives	*Composition 12/English Electives
	*PE/Health *Doc Formatting	*PE/Health *Biology	Or AP English	Or AP English
	*Earth Science		*US History *Math	*US Government
	*World History		*Speech	
	Career Electives: Computer Applications, Intro to Business, Business Law	Career Electives: Computer Applications, Intro to Business, Business Law, Computers Programming, Graphic Design	Career Electives: Computer Applications, Intro to Business, Business Law, Computers Programming, Graphic Design	Career Electives: Computer Applications, Intro to Business, Business Law, Computers Programming, Graphic Design
Post-Secondary Degrees	2 Year College/Vo-Tech		College/University	
	Highlands College —Computer Assistant, Networking, Web Admin Development Gallatin — Computer Numerically Controlled Machining Great Falls College —Computer Assistant, Computer Info (network support and web design), Computer Network Infrastructure, Computer Server Admin City College —Networking, Computer Desktop/Network Support, Computer Systems Tech, Programming Tech Helena College —Computer Assistant, Computer Skills Specialist, Networking, Programming Tech., Web Tech Missoula College —Computer Support, Networking WDTI —Computer Science	MCC —Computer Graphics, Networking, PC Maintenance Flathead —Information Technology/Systems, Web Technology/Development/Design, Electrical Technology, Electrical Technician, Health Info Technology Sheridan — Computer Aided Design, Info Systems, Networking, Web Design, Cyber Security Casper —Web Design, Computer Science, Computer Security, Electronics	BHSU -Applies Technical Science Carroll —Computer Science, Computer Info Systems DSU —Computer Science, Computer Tech and Management MSU —Computer Engineering, Computer Science, Digital Media MT Tech —Network Technology, Computer Science, Software Engineering Rocky —Computer Science SDSMT —Robotics, Computer Science UGF — Computer Science U of M Western -Industrial Tech Ed U of M —Computer Science, Information Systems, Computer Application U of Mary - Information Technology Management, Computer Info Systems	
Activities & Employment	Suggested Extra-Curricular Activities		Suggested Volunteer/Employment Opportunities	
	BPA All Student Organizations use Technology in Some Capacity		Chamber of Commerce Newspaper Banking Businesses/Most all use Computers	

* Required for graduation at BHS



Advanced Learning Opportunities - High School to College/Career Linkages

Dual Credit: See School Counselor for available opportunities
 Advanced Placement: See BHS Schedule for AP offerings
 Online Learning: Approval of online credits must be obtained from Principal

Sample Occupations and Degree Areas	Military	Associate's Degree
	<ul style="list-style-type: none"> ◆ Requires High School Diploma or GED ◆ 17 years old with parental consent, 18 without ◆ For more information go to: http://todaysmilitary.com 	<ul style="list-style-type: none"> ◆ Requires diploma or GED ◆ 60-72 credits; includes 15-25 general education credits ◆ Complete in 2 years (<i>if prepared academically in math and English</i>) ◆ Examples: Data Communications Analyst, Database Administrator, Web Developer
	Professional Certificate	Bachelor's Degree
	<ul style="list-style-type: none"> ◆ Requires High School Diploma or GED ◆ Less than 30 credits; little/no general education credits ◆ Complete in one year or less ◆ Examples: 	<ul style="list-style-type: none"> ◆ Requires 4-year college prep for admission ◆ Approximately 128 credits ◆ Complete in four years ◆ Examples: Computer Engineering, Network Administrator, Computer Systems Administrator, Computer Systems Analysts, computer Programmer, Computer and Information Systems Manager
	Apprenticeship	Graduate Degree
	<ul style="list-style-type: none"> ◆ Requires High School Diploma or GED ◆ Must be at least 18 ◆ Minimum 2,000 hours of supervised experience ◆ Examples: 	<ul style="list-style-type: none"> ◆ Requires education beyond Bachelor's Degree ◆ Examples: Librarian
Certificate of Applied Science		
<ul style="list-style-type: none"> ◆ Requires High School Diploma or GED— Complete in 1 year or less ◆ 30-45 credits; limited general education credits ◆ Examples: Computer Security Specialist, Computer Support Specialists 		
Requirements	Baker High School Graduation	Montana University System College Entrance
	<p>4 credits English 3 credits Social Studies 3 credits Math 2 credits Science (1 Physical, 1 Biological) 2 credits PE/Health 1 credit Fine Arts 1 credit Vocational/Practical Arts (.5 must be Document Formatting) .5 credit Speech 5.5 credits Electives TOTAL 22 CREDITS</p>	<p>4 credits English 3 credits Social Studies 3 credits Math (Algebra I, II, and Geometry) 2 credits Science 2 credits Electives</p> <p>Rigorous Core Courses include: 1 additional credit Math 1 additional credit Science 1 additional credit Elective</p> <p>Visit www.mus.edu/for further information</p>

For more information regarding **Career Clusters** visit www.careerclusters.org. For more information regarding **Occupations and Higher Education** visit <http://mtcis.intocareers.com>.
 For more information regarding **Job Searches** visit <http://jobs.mt.gov>.