Capital High School to Helena College degree program: **Computer Technology AAS Network Administration Option**	*BIG SKY PATHWAY*

Recommended pathway from Capital High School to Helena College, with dual credit opportunities printed in red.

SUGGESTED HIGH SCHOOL COURSES

9th	Graduation Requirements, Workforce & College Prep	English I, Algebra I, Math I or II Honors, Earth Science, World Cultures, Phys Ed	**Recommended CTE Cluster Foundation Course(s):** Basic Computer Skills, Tech Skills for Life MS Word and MS Excel
	CTE and/or Electives	Basic Computer Skills, Tech Skills for Life	**Recommended CTE Pathway Courses:** Computer Science, Intro to Programming (CSCI 110)
10th	Graduation Requirements, Workforce & College Prep	English II; Geometry or Math II; Biology; Health; Fine Art	
	CTE and/or Electives	Computer Science, Intro to Robotics	**Other Recommended CTE Courses:** CNC Machining, Graphic Web Design, Robotics
11th	Graduation Requirements Workforce & College Prep	English III; American History, College Algebra (M121), Chemistry I or AP Biology	
	CTE and/or Electives	Computer Science, MS Word; MS Excel	
12th	Graduation Requirements, Workforce & College Prep	WRIT121T Technical Writing or WRIT101 College Writing and English IV (1 semester); American Gov't, M121 College Algebra, AP Chemistry or Physics	**Career & Technical Student Organization(s):** Helena Robotics, Business Professionals of America
	CTE and/or Electives	Computer Science (CSCI 110), Graphic Web Design, Sociology, Psychology	

ADVANCED LEARNING OPPORTUNITIES
High School to College/Career Linkages

Advanced Placement or IB courses: AP U.S. History; AP Am. Government; AP English Literature, AP English Language, AP European History, AP Spanish

Dual Enrollment courses: WRIT121T Technical Writing; WRIT 101 College Writing; COMX111 Intro To Public Speaking; M121 College Algebra; CAPP154 Microsoft Word, CAPP156 Microsoft Excel; CS110 Computer Science (Carroll) equals CSCI100 (Helena College)

Online courses: MTDA: CSCI107 Joy & Beauty of Computing; PSYX100 Into to Psychology

Other: Robotics Competition; Science Olympiad; Opportunities for Evening Courses at Helena College

POSTSECONDARY PROGRAM OF STUDY

	Math	English	Major	Other
Semester 1 (16 CR)	M121 College Algebra /or M115 Linear Mathematics 3CR	WRIT101 College Writing /or WRIT121T Technical Writing 3CR	CSCI100 Intro to Programming 3CR OR CSCI107 Joy & Beauty of Computing 3CR BMIS285 Fundamentals of Management Information Systems 3CR NTS104 CCNA 1: Intro to Networks 4CR	
Semester 2 (16 CR)			NTS105 CCNA 2: Routing & Switching 3CR MART145 Web Design 3CR ITS224 Intro to Linux 3 CR ITS280 Comp. Repair & Maintenance. 4CR	SOCI101 Intro to Sociology /or PSYX100 Into to Psychology /or HR110T Career Development and Human Relations 3CR
Semester 3 (15 CR)			NTS205 CCNA 4:Connecting Networks 3CR CSCI221 Syst. Analysis & Des. 4CR CSCI240 Databases & SQL 3CR ITS255 IP Telephony 3CR	ITS230 -- Administrative Scripting using PowerShell 2CR ITS231 —Admin Scripting using Python 2CR
Semester 4 (18 CR)			CSCI212 Web Server Admin 3CR ITS212 Network Operating System Server Admin 4CR ITS218 Network Security 3CR NTS204 CCNA 3 Scaling and Networks 3CR	CSCI298 Internship OR CSCI299 Thesis/Capstone 2CR…