

Capital High School to Helena College degree program:  
Automotive Technology AAS

**BIG SKY PATHWAY PROPOSAL**



**SUGGESTED HIGH SCHOOL COURSES**

9th	Graduation Requirements Workforce/College Prep	Algebra I, English I, Physical Education, World Cultures, Earth Science	Recommended CTE Cluster Foundation Course(s): Consumer Mechanics, Basic Computer Skills, Money Management
	<i>CTE and/or Electives</i>	<i>Consumer Mechanics</i>	
10th	Graduation Requirements Workforce/College Prep	Geometry, English II, Physical Education/Health, Biology, Fine Art Elective	Recommended CTE Pathway Courses: Auto I, II and III
	<i>CTE and/or Electives</i>	<i>Auto I, Welding I, Basic Computer Skills</i>	
11th	Graduation Requirements Workforce/College Prep	Algebra II, English III, American History	Other Recommended CTE Courses: Welding, Drafting, Public Speaking
	<i>CTE and/or Electives</i>	<i>Auto II, Drafting, Money Management</i>	
12th	Graduation Requirements Workforce/College Prep	Technical Math (M111T), Technical Writing (WRIT121T) OR English IV & College Writing (WRIT101), Government	Career & Technical Student Organization(s): Skills USA
	<i>CTE and/or Electives</i>	<i>Auto III, Welding II, Intro to Public Speaking</i>	

**ADVANCED LEARNING OPPORTUNITIES**

High School to College/Career Linkages

Advanced Placement courses: Lang & Comp; European History, English IV, Biology, Psychology

Dual Enrollment courses: M111T Technical Math WRIT121 Intro to Tech Writing College Writing WRIT 101, Public Speaking COMX 111; (AUTO104 Automotive Mechanics to be developed as DC for Auto III)

Online courses: MT Digital Academy: HR110T Career Development and Human Relations

Other: Work experience and student shadowing at Helena College

**POSTSECONDARY PROGRAM OF STUDY (72 credits)**

	Math	English	Major	Other
Semester 1	M111T Technical Math 3cr		AUTO104 Automotive Mechanics 2cr AST108 Auto Manual Drive Trains 6 AST130 Intro to Auto Electronics 7	
Semester 2			AST160 Auto Engine Repair 6 AST172 Auto Heating/Air Conditioning 5 Electric/Electronics Systems II 4	
Semester 3		WRIT121 Intro to Tech Writing 3cr	AST118 Brake Chassis 6 AST262 Engine Performance I 8cr	
Semester 4			AST264 Engine Performance II 5cr AST 270 Auto Transmissions/Transaxles 7 AST280 Applied Lab Experience Light Repair 4	HR110T Career Development and Human Relations