Capital High School to Helena College apprenticeship program: Sheet Metal Apprenticeship AAS (Note: college coursework subject to change based on industry recommendations)





			SUG	GESTED HIGH SCHOOL COURSES	
9th	Workforce/C	0 1	Englis Fine <i>i</i>	sh I, Algebra I, Earth Science, World Cultures, Phys Ed1, Arts Elective	Recommended CTE Cluster Foundation Course(s): Industrial Tech, Basic Computer Skills
10th	CTE and/or Graduation Workforce/C	Requirements		trial Technology, Basic Computer Skills sh 2, Geometry, Biology, PE/Health	Recommended CTE Pathway Courses: Industrial Tech, Welding I, Welding and Machining II, Welding and Machining III (Milling Operations)
11th	CTE and/or Electives Graduation Requirements Workforce/College Prep CTE and/or Electives		Englis	ing I, Drafting I, Carpentry/Cabinet Making I sh 3, Algebra II, Chemistry, US History ing and Machining II; Drafting II	Other Recommended CTE Courses: Computer Tech Skills Drafting I, Drafting II –Mechanical,
12th	Graduation Requirements Workforce/College Prep CTE and/or Electives		Techi Weldi 4G 3/	sh 4 and WRIT101 College Writing (DC) OR WRIT 121T nical, M111T Technical Math (DC), Physics, US Government ing and Machining III - Certification Available – AWS 3G and /8 Plate Test minimum; WLDG 112 Cutting; MCH234 Milling ations Level I	CAD, Carpentry Career & Technical Student Organization(s): Skills USA
CTE S	tart courses		ł	ANCED LEARNING OPPORTUNITIES High School to College/Career Linkages of Construction Technology (thru NCOTI exam)	
Dual En Process Online	nrollment cou ses; MCH234 courses: Mo	rses: M111T Milling Opera ntana Digital	Technical Mat tions Level I Academy - ht	thematics; WRIT121T Technical Writing, WRIT101 College Wr	and Human Relations
Other:				Dop Job Shadow, and Student Shadow at Helena College, Ce RAM OF STUDY (New 4-Semester Program	
	103131	Math	English	Major	Other
Semes Fall	ster 1			SHML100 Safety & Health in Construction (3 credits) SHML 110 Sheet Metal Orientation (3 credits) CSTN 200 Rigging (3 credits)	On-the-Job Paid Training (40 hours)
Semes Spring				SHML 120 Materials, Hand Tools, Fasteners (3 credits) Co-op (3 credits)	On-the-Job Paid Training (40 hours) HR110T - Career Development & Human Relations
Semes Fall	ster 3	M111T Technical Math		MCH 240 Metallurgy (2 cr) SHML160 Basic Ductwork Installation (3)	On-the-Job Training (40 hours)
Semes			WRIT 121T	SHML 170 Drafting & Layout Tools (3 cr) Co-op (3 credits)	On-the-Job Training (40 hours)
Spring	g		Technical Writing	co-op (s creats)	
Spring Semes Fall	-			SHML 200 Blueprint Reading and Uniform Building Codes (3 credits) WLDG 131 Intro to Layout and Pattern Making (3 credits) SHML 210 Duct Liners and Insulation (3)	On-the-Job Training (40 hours)
Semes	ster 5			SHML 200 Blueprint Reading and Uniform Building Codes (3 credits) WLDG 131 Intro to Layout and Pattern Making (3 credits) SHML 210 Duct Liners and Insulation (3) WLDG 133 Soldering and Resistance Welding (4 credits) Co-op (3 credits)	On-the-Job Training (40 hours)
Semes Fall Semes	ster 5 ster 6			SHML 200 Blueprint Reading and Uniform Building Codes (3 credits) WLDG 131 Intro to Layout and Pattern Making (3 credits) SHML 210 Duct Liners and Insulation (3) WLDG 133 Soldering and Resistance Welding (4 credits)	

* The Competency-Based Coursework uses online NCCER modules that result in stackable credentials upon successful completion of online tests and performances in the shop setting. High school students who have completed coursework in welding, construction, and other industrial arts courses should be able to demonstrate their skills and knowledge in the basic coursework quickly, spending less time with the online modules and onsite labs than would be indicated for inexperienced apprentices.

In order to enroll in any apprenticeship program, students must first secure an employer sponsor. Sheet metal workers in Montana earn an average of \$42,100 per year and 30 additional workers are needed each year. Apprentices are paid during their work hours and must pay tuition for the coursework. However, some employers are willing to pay or subsidize college tuition and fees. Possible sponsors for this program include:

Comfort Systems of Montana All Season Heating & AC Central Plumbing and Heating