


Program: Helena Adult Basic Education		BIG SKY PATHWAY PROPOSAL 
COLLEGE: Helena College		
COLLEGE DEGREE PROGRAM: Fire and Rescue Associate of Applied Technology		
Cluster Overview: Planning, preparing and managing legal, public services, protective services, and homeland security, including professional, technical and support services.	Pathway Options: <ul style="list-style-type: none"> • Correction Services • Emergency and Fire Management Services • Security and Protective Services • Law Enforcement Services • Legal Services 	Occupation Examples: Firefighter, Judge, Lawyer, Paralegal, Police Officer, Forest Fire Fighter, Probation and Parole Officer, Security Guard For a complete listing, go to: http://online.onetcenter.org/find/career?c=12&q=Go

CRITICAL SKILLS PRACTICED IN ADULT LEARNING CENTER

	Reading	Concentrate on Technical Reading Skills: Read step-by-step instructions; read United Lab Reports and case studies on new developments; learn medical terminology	Notes
	Applications	<i>Read an article in Fire Engineering, identifying technical terms and looking up meanings.</i>	
	Writing	Concentrate on Technical Writing Skills: Write incident reports, communicating factual, objective information.	Notes
	Applications	<i>Write the factual information found the Fire Engineering article, summarizing important facts in a linear fashion.</i>	
	Mathematics	Use the metric system and calculate conversions; Convert fractions to percentages; Utilize formulas to solve problems related to weight, gallons, cubic feet, etc., of water.	Notes
	Application	<i>Solve $F = PA$, for various container sizes; Solve for friction loss</i>	
	Employability Skills	Communicate with the public through presentations and radio announcements; Communicate with individuals in stressful situations; Provide information directly, concisely, and clearly	Notes
	Application	<i>Shadow a Fire & Rescue student; Play the telephone game to see how factual information can be distorted; Present information found in Fire Engineering article in a speech to classmates.</i>	

SUGGESTED TRANSITIONAL COURSES AND EXPERIENCES

College courses: M111T Technical Mathematics or M121 College Algebra; WRIT121T Technical Writing; ECP130 Emergency Med Tech

Online courses: M111T Technical Mathematics; WRIT 121T Technical Writing

Other: Job Shadowing and Student Shadowing at Helena College; Working in a Volunteer Fire Department; Lifting weights at the gym

POSTSECONDARY PROGRAM OF STUDY (72 credits)

	Math	English	Major	Other
Semester 1	Technical Math M111T (3) or College Algebra M121		Emergency Medical Technician ECP130 (4) Intro to Fire Service FIRE101 (3) Fire Service II FIRE102 (3) Fire Fighter Safety FIRE103 (3)	Personal Physical Fitness I FIRE107 (1)
Semester 2			Wildland Fire Fighting FIRE106 (3) Hazardous Materials FIRE110 (3) Emergency Services Customer Service FIRE120 (2) Incident Command FIRE 121(1) Emergency Equipment Maintenance FIRE 125 (2) Fire Apparatus Operation FIRE130 (3) Fire Fighting Tactics and Strategies FIRE140 (3)	Personal Physical Fitness II FIRE108 (1)
Semester 3		Intro to Tech Writing WRIT121T (3)	Instructional Methodologies FIRE202 (2) Fire Protection Systems FIRE234 (3) Fire Inspection FIRE241 (3) Rescue FIRE242 (3) Fire Investigation FIRE260 (3) Building Construction FIRE261 (1)	
Semester 4			Aircraft Rescue & Fire Fighting Basic Training FIRE210 (ARFF) (2) Fire Streams FIRE215 (2) Fire Officer FIRE225 (2) Basic Wildland Supervision FIRE232 (2) Fire Ground Operations FIRE250 (2) Fire Prevention FIRE270 (3) Capstone FIRE288 or Internship (3)	Human Relations HR110T OR Fundamentals of Organizational Psychology PSYX161

MONTANA POSTSECONDARY OPPORTUNITIES

Montana University System Degree and Program Inventory: <http://www.homepage.montana.edu/~mus/drginv/>

Your Guide to Montana's Certificate and Associate Degree Programs: <http://mus.edu/twoyear/YourGuide.html>

MSU Two Year Colleges and Programs: City College MSUB—Billings (CC); Great Falls College MSU—Great Falls (GFC); Helena College UM—Helena (HC) Highlands College MT Tech—Butte(HC-Tech); Missoula College UM—Missoula (MC); Gallatin College MSU—Bozeman(GC)	Community Colleges: Dawson Community College (DCC) Flathead Valley Community College (FVCC) Miles Community College (MCC)	Tribal Colleges: Aaniiih Nakoda College (ANC);Blackfeet Community College(BCC); Chief Dull Knife College (CDKC);Fort Peck Community College (FPCC);Little Big Horn College (LBHC);Stone Child College (SCC);Salish Kootenai College (SKC)	Four Year Colleges/Universities: MSU—Bozeman; MSUB—Billings; MSUN—Havre; MT Tech—Butte; UM—Missoula; UMW—Dillon
MILITARY	<ul style="list-style-type: none"> • Requires diploma or GED • 17 with parental consent; 18 without 	Air Force, Air Guard, Army, Coast Guard, Marines, and Navy For more information: http://todaysmilitary.com	
PROFESSIONAL CERTIFICATE	<ul style="list-style-type: none"> • Requires diploma or GED • Less than 30 credits; little/no general ed credits • Complete in one year or less 	Public Safety Communications – GFC Legal Support Specialist -- HC	
APPRENTICESHIP	<ul style="list-style-type: none"> • Requires diploma or GED • Must be at least 18 • Minimum 2,000 hours of supervised experience 	See the MT Dept of Labor website for more information: http://wsd.dli.mt.gov/apprenticeship/default.asp	
CERTIFICATE OF APPLIED SCIENCE	<ul style="list-style-type: none"> • Requires diploma or GED • 30-45 credits; limited general education credits • Complete in one year or less 	Correctional Officer – DCC Tribal Legal Studies – BCC	
ASSOCIATE OF APPLIED SCIENCE DEGREE	<ul style="list-style-type: none"> • Requires diploma or GED • 60-72 credits; includes 15-25 general ed credits • Complete in two years (<i>if prepared academically in math and English</i>) 	Criminal Justice – DCC, FVCC Criminal Justice Peace Officer – DCC Criminal Justice Private Security – DCC Fire and Rescue Technology – HC, GFC Paralegal Studies – MC	
BACCALAUREATE DEGREE	<ul style="list-style-type: none"> • Requires 4-year college prep for admission • 128 credits (approximately) • Complete in four years 	Criminal Justice – MSUB, MSUN Sociology/Criminology Option – UM	

Degree and Program Inventory above may not be all inclusive