

HIGH SCHOOL: Adult Basic Education		BIG SKY PATHWAY PROPOSAL 
COLLEGE: Helena College University of Montana		
COLLEGE DEGREE PROGRAM: LPN and RN		
Cluster Overview: Careers in Health Science involve planning, managing, and providing therapeutic services, diagnostic services, health informatics, support services, and biotechnology research and development.	Pathway Options: <ul style="list-style-type: none"> • Diagnostic Services • Therapeutic Services • Health Informatics • Support Services • Biotechnology Research and Development 	Occupation Examples: Athletic Trainer, Certified Nursing Assistant, Clinical Medical Assistant, Dental Assistant/Hygienist, Dental Lab Technician, EMT/Paramedic, Home Health Aide, Licensed Practical Nurse, Massage Therapist, Pharmacist/Pharmacy Technician, Physical Therapist/Assistant, Radiologic Technician, Registered Nurse, Respiratory Therapist, Audiologist, Chiropractor, Dentist, Dietician, Exercise Physiologist, Nurse Practitioner, Occupational Therapist, Optometrist, Physician (MD/DO), Physician's Assistant, Surgical Tech, Speech Language Pathologist, Mammographer, Nuclear Medicine Technologist, Medical Librarian/Cybrarian, Radiologist, Phlebotomist, Medical Technologist/Clinical, Laboratory Scientist, Nutritionist, Pathologist, Veterinarian <i>For a complete listing, go to:</i> http://online.onetcenter.org/find/career?c=8&q=Go

CRITICAL SKILLS PRACTICED IN ADULT LEARNING CENTER

	Reading	Concentrate on medical terminology. Take a basic medical terminology class which goes into prefixes, root word analysis and suffixes.	Notes
	Applications	Read a general Medical/Surgical book which has definitions included. Read an article in the American Journal of Nursing.	
	Writing	Learn to use APA format with research formatted in a bibliography.	
	Applications	Write a research paper about a related health care field such as phlebotomy or LPN, including the scope of practice.	
	Mathematics	Calculate basic math operations using numbers, fractions and decimals; Apply ratio concepts to ratios and percentages; Calculate formulas and solve for any of the variables in the formulas; Use the metric system and calculate conversions;	
	Application	Write 7.2 ounces to 8.4 ounces as a ratio of whole numbers using fractional notation and write the fraction in its simplest form. 85% of 300 is what number? Find the number of fluid ounces in 1.5 gallons. Solve $-8(n + 2) + 17 = -6n - 5$ for n . Solve $ 2x - 5 = 19$ for x .	
	Employability Skills	Professional behaviors, communication and critical thinking skills, coming to work on time, being loyal and dependable,	
	Application	Hold a job that requires dependability.	

SUGGESTED TRANSITIONAL COURSES AND EXPERIENCES

College courses: For M121 or M115, COMPASS math score of 70 or above or ACT math of 22 or above; For WRIT101, COMPASS Writing score of 90 or above or ACT Combined Writing of 18 or 7 on Essay Portion.
Online courses: NRSG100: Introduction to Nursing (1cr.); NRSG 110: Calculations for Health Professions (2cr.); PSYX100: Intro to Psychology
Other: <i>Job experience in any health care field.</i>

POSTSECONDARY PROGRAM OF STUDY

			Pre-Requisites	Other Pre-Requisites
Semester 1	M121 College Algebra (3 cr)	WRIT101 College Writing (3 cr)	BIOH 201& 202 Anatomy & Physiology with Lab (4 cr)	NUTR 221 Basic Human Nutrition (3 cr)
Semester 2			BIOH 211 & 212 Anat & Phys with Lab II (4 cr); NRSG 100 Intro to Nursing (1 cr)	PSYX 100 Intro to Psychology (3 cr); CHYMY 121 & 122 General and Inorganic Chemistry with Lab (4 cr)
			LPN Major	Other
Semester 3			NRSG 130/131 Fundamentals of Nursing (7 cr); NRSG 135 Nursing Pharmacology (3 cr); NRSG 138 Gerontology for Nursing (2 cr)	NRSG 144 Core Concepts of Mental Health Nursing (2 cr)
Semester 4			NRSG 140 Core Concepts of Adult Nursing (7 cr); NRSG 142 Maternal/Child Nursing (3 cr)	NRSG 148 Leadership Issues (2 cr)

		RN Major	Other
Semester 5		11 NRSNG credits	SOCI 101 Intro to Sociology (3 cr)
Semester 6		9 NRSNG credits	BIOL 250 & 251 Microbiology (4 cr)

MONTANA POSTSECONDARY OPPORTUNITIES

*Montana University System Degree and Program Inventory: <http://www.homepage.montana.edu/~mus/drqinv/>
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 	Certified Nursing Assistant –HC Tech, DCC, MCC, HC Diagnostic Medical Sonography – HC Tech Health Informatics Tech – GFC Pharmacy Technology – FVCC, GFC, HC Medical Receptionist—MCC	
APPRENTICESHIP	<ul style="list-style-type: none"> Requires diploma or GED Must be at least 18 Minimum 2,000 hours of supervised experience 	Pharmacy Technician, Respiratory Therapist 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 	Dental Assistant – GFC, SKC EMT/Paramedic – GFC Health Information Coding Specialist – GFC, FVCC Medical Assisting – HC, Medical Billing Specialist – GF Medical Transcription – GFC, FVCC Medical Billing & Coding – CC Nursing-Licensed Practical – HC Pharmacy Technology – MC	
ASSOCIATE'S 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>) 	Dental Assistant – SKC, Dental Hygiene – GFC EMT/Paramedic – GFC, CC, FVCC Health Information Coding Specialist – MC Health Information Technology – GFC Medical Administrative Specialist -- HC Medical Assistant – GFC, HC Tech, FVCC Medical Transcription – GFC, Medical Billing & Coding – GFC Nursing-Practical – MC, CC, GFC, FVCC Nursing (RN) – HC, MC, CC, MSUN, MCC, SKC Physical Therapist Assistant – GFC Radiologic Technology – MC, CC, GFC, HC Tech, FVCC Respiratory Care – GFC, MC Surgical Technology – FVCC, GFC, MC, CC, HC Tech	
BACCALAUREATE DEGREE	<ul style="list-style-type: none"> Requires 4-year college prep for admission 128 credits (approximately) Complete in four years 	Athletic Training – UM Communicative Disorders – UM Food & Nutrition – MSU Health & Human Performance – MSU, UM Health Care Informatics – MT Tech Medical Technology – UM Nursing – MSU, MSUN, SKC Occupational Safety and Health – MT Tech Pre-Med – MSU	

Degree and Program Inventory above may not be all inclusive