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| **HIGH SCHOOL:**  | ***BIG SKY PATHWAY PROPOSAL*** |
| **COLLEGE: Helena College** | Ed.jpg |
| **COLLEGE DEGREE PROGRAM: Practical Nursing AAS** |
| **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:*** 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*For a complete listing, go to:*[*http://online.onetcenter.org/find/career?c=8&g=Go*](http://online.onetcenter.org/find/career?c=8&g=Go) |
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| **SUGGESTED HIGH SCHOOL COURSES** |
| **9th** | Graduation RequirementsWorkforce/2-Year College Prep |  | **Recommended CTE Cluster Foundation Course(s):** |
| 4-Year MT College/Univ Prep (Rigorous Core) | Biology |
| ***CTE and/or Electives*** |  | **Recommended CTE Pathway Courses:**Computer Applications, Biomedical Sciences I and II, Athletic Training (Sports Medicine) |
| **10th** | Graduation RequirementsWorkforce/2-Year College Prep |  |
| 4-Year MT College/Univ Prep (Rigorous Core)  |  |
| ***CTE and/or Electives*** |  | **Other Recommended CTE Courses:**Computer Applications, Biomedical Sciences, Health Careers Exploration  |
| **11th** | Graduation RequirementsWorkforce/2-Year College Prep |  |
| 4-Year MT College/Univ Prep (Rigorous Core) |  |
| ***CTE and/or Electives*** |  |
| **12th** | Graduation RequirementsWorkforce/2-Year College Prep |  | **Career & Technical Student Organization(s):**HOSA – Health Occupations Student Association |
| 4-Year MT College/Univ Prep (Rigorous Core) |  |
| ***CTE and/or Electives*** |  |
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| **ADVANCED LEARNING OPPORTUNITIES****High School to College/Career Linkages** |
| **CTE START courses:**  |
| **Advanced Placement or IB courses:**Psychology, Biology, Calculus |
| **Dual Enrollment courses**: CHNY 121 Intro to Gen Chemistry; M121 College Algebra; WRIT 121 College Writing; PSYX 100 Intro to Psychology |
| **Online courses:** NRSG100: Introduction to Nursing (1cr.), NRSG 110: Calculations for Health Professions (2cr.) |
| **Other:** *Work experiences and program entry courses to apply for Nursing LPN, RN, and EMT* |
| **POSTSECONDARY PROGRAM OF STUDY** |
|  | **Math** | **English** | **Major** | **Other** |
| **Semester 1** | M121 College Algebra 3CR | WRIT101 College Writing 1 3CR | BIOH201 Human Anat and Phys I w/Lab 4CR | NUTR221 B.H. Nutrition 2 3 CR |
| **Semester 2** |  |  | BIOH211 Human Anat. And Phys. II w/Lab 4CRNRSG100 Intro to Nursing 1 or 2 CR | PSYX100 Intro to Psychology 3CRCHMY121 Intro to General Chemistry 3CRCHMY122 Intro to General Chemistry Lab 1CR |
| **Semester 3** |  |  | NRSG130 Fund. of Nursing 4CRNRSG131 Fund. of Nursing Lab 3CRNRSG135 Nurs. Pharmacology 3CRNRSG138 Gerontology for Nurs. 2CRNRSG144 Core Concepts of Mental Health Nursing 2CR |  |
| **Semester 4** |  |  | NRSG140 Core Concepts of Adult Nursing 7CRNRSG142 Core Concepts of Maternal/Child Nursing 3CRNRSG148 Leadership Issues 2CR |  |

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| **MONTANA POSTSECONDARY OPPORTUNITIES*****Montana University System Degree and Program Inventory:*** [*http://www.homepage.montana.edu/~mus/drginv/*](http://www.homepage.montana.edu/~mus/drginv/)[***Your Guide to Montana's Certificate and Associate Degree Programs***](http://mus.edu/twoyear/YourGuide.html)***:*** [*http://mus.edu/twoyear/YourGuide.html*](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** | * Requires diploma or GED
* 17 with parental consent; 18 without
 | Air Force, Air Guard, Army, Coast Guard, Marines, and NavyFor more information: *http://todaysmilitary.com* |
| **PROFESSIONAL CERTIFICATE** | * 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, MCCDiagnostic Medical Sonography – HC TechHealth Informatics Tech – GFC Pharmacy Technology – FVCC, GFCMedical Receptionist—MCC |
| **APPRENTICESHIP** | * 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*](http://wsd.dli.mt.gov/apprenticeship/default.asp) |
| **CERTIFICATE OF****APPLIED SCIENCE** | * Requires diploma or GED
* 30-45 credits; limited general education credits
* Complete in one year or less
 | Dental Assistant ― GFC, SKCEMT/Paramedic ― GFC Health Information Coding Specialist ― GFC, FVCC Medical Billing Specialist ― GFMedical Transcription ― GFC, FVCC Medical Billing & Coding ― CC Nursing-Practical ― HCPharmacy Technology ― MC |
| **ASSOCIATE’S OF APPLIED SCIENCE DEGREE** | * Requires diploma or GED
* 60-72 credits; includes 15-25 general ed credits
* Complete in two years *(if prepared academically in math and English)*
 | Dental Assistant ― SKCDental Hygiene ― GFCEMT/Paramedic ― GFC, CC, FVCC Health Information Coding Specialist ― MC Health Information Technology ― GFC 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 Asst ― GFC Radiologic Technology ― MC, CC, GFC, HC Tech, FVCC Respiratory Care ― GFC, MCSurgical Technology ― FVCC, GFC, MC, CC, HC Tech |
| **BACCALAUREATE DEGREE** | * Requires 4-year college prep for admission
* 128 credits (approximately)
* Complete in four years
 | Athletic Training ― UMCommunicative 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*