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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 Requirements  Workforce/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 Requirements  Workforce/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 Requirements  Workforce/2-Year College Prep | | |  | | | | | |
| 4-Year MT College/Univ Prep  (Rigorous Core) | | |  | | | | | |
| ***CTE and/or Electives*** | | |  | | | | | |
| **12th** | Graduation Requirements  Workforce/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 4CR  NRSG100 Intro to Nursing 1 or 2 CR | | PSYX100 Intro to Psychology 3CR  CHMY121 Intro to General Chemistry 3CR  CHMY122 Intro to General Chemistry Lab 1CR | |
| **Semester 3** | |  | | |  | | NRSG130 Fund. of Nursing 4CR  NRSG131 Fund. of Nursing Lab 3CR  NRSG135 Nurs. Pharmacology 3CR  NRSG138 Gerontology for Nurs. 2CR  NRSG144 Core Concepts of Mental Health Nursing 2CR | |  | |
| **Semester 4** | |  | | |  | | NRSG140 Core Concepts of Adult Nursing 7CR  NRSG142 Core Concepts of Maternal/Child Nursing 3CR  NRSG148 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 Navy  For 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, MCC  Diagnostic Medical Sonography – HC Tech  Health Informatics Tech – GFC  Pharmacy Technology – FVCC, GFC  Medical 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, SKC  EMT/Paramedic ― GFC  Health Information Coding Specialist ― GFC, FVCC  Medical Billing Specialist ― GF  Medical Transcription ― GFC, FVCC  Medical Billing & Coding ― CC  Nursing-Practical ― HC  Pharmacy 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 ― SKC  Dental Hygiene ― GFC  EMT/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, MC  Surgical 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 ― 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*