### 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)

### SUGGESTED HIGH SCHOOL COURSES

<table>
<thead>
<tr>
<th>Grade</th>
<th>Graduation Requirements</th>
<th>Workforce/2-Year College Prep</th>
<th>4-Year MT College/Univ Prep (Rigorous Core)</th>
<th>CTE and/or Electives</th>
<th>Recommended CTE Cluster Foundation Course(s):</th>
</tr>
</thead>
<tbody>
<tr>
<td>9th</td>
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</table>

### ADVANCED LEARNING OPPORTUNITIES

High School to College/Career Linkages

CTE START courses:

Advanced Placement or IB courses:

Dual Enrollment courses:

Online courses:

Other:

### POSTSECONDARY PROGRAM OF STUDY

<table>
<thead>
<tr>
<th></th>
<th>Math</th>
<th>English</th>
<th>Major</th>
<th>Other</th>
</tr>
</thead>
<tbody>
<tr>
<td>13—Semester 1</td>
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<tr>
<td>13—Semester 2</td>
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</tbody>
</table>
# MONTANA POSTSECONDARY OPPORTUNITIES

**Montana University System Degree and Program Inventory:** [http://mus.edu/Qtools/Degrees/degree_default.asp](http://mus.edu/Qtools/Degrees/degree_default.asp)

**Your Guide to Montana’s Certificate and Associate Degree Programs:** [http://mus.edu/2yr/YourGuide/](http://mus.edu/2yr/YourGuide/)

<table>
<thead>
<tr>
<th>MSU Two Year Colleges and Programs:</th>
<th>Community Colleges:</th>
<th>Tribal Colleges:</th>
<th>Four Year Colleges/Universities:</th>
</tr>
</thead>
<tbody>
<tr>
<td>City College MSUB—Billings (CC);</td>
<td>Dawson Community College</td>
<td>Aaniih Nakoda College</td>
<td>MSU—Bozeman, MSUB—Billings;</td>
</tr>
<tr>
<td>Great Falls College MSU—Great Falls (GFC); Helena College</td>
<td>Flathead Valley Community College (FVCC)</td>
<td>(ANC); Blackfeet Community</td>
<td>MSUN—Havre; MT Tech—Butte; UM—</td>
</tr>
<tr>
<td>UM—Helena (HC) Highlands College MT Tech—Butte (HC-Tech); Missoula College UM—Missoula (MC); Gallatin College MSU—Bozeman (GC)</td>
<td>Miles Community College (MCC)</td>
<td>College (BCC); Chief Dull Knife College</td>
<td>Missoula; UMW—Dillon</td>
</tr>
</tbody>
</table>

### 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](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://apprenticeship.mt.gov/](http://apprenticeship.mt.gov/)

### 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