The Health Science Department offers educational options that prepare students for a wide variety of careers in healthcare in the public, community, private, and industrial settings. Students choose from the following degree offerings:

The Bachelor of Science Degree in Health Science includes a core set of health and related classes common for all students and three different emphasis areas to choose from: Public Health, Occupational Safety & Health, and Community and Worksite Wellness. A minor in Health Science is also offered.

- **Public Health:** Prepares students to work in the Public Health sector in promoting, protecting, and preserving the health of a population and the governmental actions to accomplish these tasks. Program prepares students to take the Certified Health Education Specialist (CHES) examination offered through the National Commission on Health Education Credentialing, INC.

- **Occupational Health and Safety:** Students are trained in the practice of anticipation, recognition, evaluation, and control of safety and health hazards found in the work environment. They will be prepared to enter business and industry as safety, industrial hygiene and environmental professionals. Students are also prepared for graduate programs in Industrial Hygiene and Safety.

- **Community and Worksite Wellness:** Prepares students theoretically and experimentally for health related career opportunities. These include community health educator, health promotion specialist, worksite wellness specialist, health counseling, resort wellness, fitness center, lifestyle training specialist, etc. Health Science students headed to graduate programs in Physical Therapy and Occupational Therapy usually select this emphasis. Some students may also be eligible to take the CHES exam.

The Bachelor of Science Degree in Healthcare Administration prepares students to directly enter the workforce as administrators/managers of healthcare facilities such as medical group practice, urgent care centers, long-term care facilities, department-level positions in hospitals, ambulatory surgery centers, skilled nursing facilities, health insurance companies, etc. This degree also is a solid path for those seeking to pursue a master’s degree in Hospital Administration or Business Management.

The Associate Degree of Applied Science in Paramedicine program’s versatility as an approved minor or as a terminal degree makes it relevant to several academic programs and many employment endeavors. Graduates frequently engage in advanced life support activities in the employ of fire departments, emergency medical service providers, hospital emergency departments, and flight medical units. The Bachelor of Science in Emergency Services Administration is engineered to propel graduates to management and administrative positions in the above fields in tandem with a critical care paramedic endorsement. The minor degree in Emergency Services Management is an attractive option for those not pursuing a paramedicine venue. See Department of Paramedicine section of this catalog for details.

The Associate Degree of Applied Science in Medical Assisting prepares students to be employed in an ambulatory medical facility, i.e. a doctor’s office, outpatient clinic, or day-surgery unit. A Medical Assistant is cross-trained and multi-skilled to perform both administrative (front office) and clinical (back office, and lab) procedures to support the physician/employer in providing excellent patient care.

A minor in Health Education is offered for students pursuing a degree in secondary education. Under the requirements for the State of Idaho teacher certification, a student majoring in secondary education must be qualified to teach in a minor subject. The Health Education minor consists of 20 credits that will prepare you to teach health 6-12. Course work also prepares you for the health education praxis exam.
AAS in Medical Assisting (361)

Take required Foundations courses

<table>
<thead>
<tr>
<th>Take these courses</th>
<th>Take 3 credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIO 264 4</td>
<td>B 220 3</td>
</tr>
<tr>
<td>BIO 265 4</td>
<td>B 370 3</td>
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<td>COMM 150 3</td>
<td>ECON 112 3</td>
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<tr>
<td>ENG 316 3</td>
<td>HS 285 3</td>
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<tr>
<td>HS 222 3</td>
<td>HS 320 3</td>
</tr>
<tr>
<td>HS 280 2</td>
<td>HS 340 3</td>
</tr>
<tr>
<td>MA 105 3</td>
<td>HS 460 3</td>
</tr>
<tr>
<td>MA 105L 1</td>
<td></td>
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<tr>
<td>MA 106 2</td>
<td></td>
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<tr>
<td>MA 107 4</td>
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<td>MA 111 3</td>
<td></td>
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<tr>
<td>MA 205 3</td>
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<tr>
<td>MA 298 2</td>
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<td>PSYCH 111 3</td>
<td></td>
</tr>
<tr>
<td></td>
<td>41</td>
</tr>
</tbody>
</table>

Program Notes:

- Students must achieve a grade of C- or higher in all major required courses.

Total Major Credits=44

This major is available on the following tracks:

- Fall-Winter---- YES
- Winter-Spring---- YES
- Spring-Fall---- YES

BS in Health Science

Emphasis in Public Health (750-39)

Take required Foundations courses

<table>
<thead>
<tr>
<th>Take these courses</th>
<th>Take 1 course</th>
<th>Take these credits</th>
<th>Take 7 credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIO 264 4</td>
<td>BIO 265 4</td>
<td>HFED 100 3</td>
<td>BIO 221 3</td>
</tr>
<tr>
<td>HS 131 2</td>
<td>CHEM 105 4</td>
<td>HS 310 3</td>
<td>BIO 222 1</td>
</tr>
<tr>
<td>HS 320 3</td>
<td></td>
<td>HS 360 2</td>
<td>HS 222* 3</td>
</tr>
<tr>
<td>HS 340 3</td>
<td></td>
<td>HS 401 2</td>
<td>HS 280* 2</td>
</tr>
<tr>
<td>HS 370 3</td>
<td></td>
<td>HS 420 2</td>
<td>HS 331 3</td>
</tr>
<tr>
<td>HS 390 2</td>
<td>ENG 316 3</td>
<td>HS 460 3</td>
<td>HS 351 2</td>
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<tr>
<td>HS 391 3</td>
<td>COMM 102 3</td>
<td></td>
<td>HS 410 3</td>
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<tr>
<td>HS 472 3</td>
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<td>HS 430 3</td>
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<td>HS 450 3</td>
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<tr>
<td></td>
<td>24</td>
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<td>HS 485 3</td>
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<table>
<thead>
<tr>
<th>Take 1 course</th>
<th>Take these courses</th>
<th>Take 7 credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>HS 222 3</td>
<td>HS 223 3</td>
<td>HS 280 3</td>
</tr>
<tr>
<td>HS 285 2</td>
<td></td>
<td>2</td>
</tr>
</tbody>
</table>

Program Notes:

- Students must achieve a grade of C- or higher in all major required courses.

Total Major Credits=55

This major also requires a minor or 2 clusters

This major is available on the following tracks:

- Fall-Winter---- YES
- Winter-Spring---- YES
- Spring-Fall---- YES
BS in Health Science
Community & Worksite Wellness Emphasis (750-101)

Take required Foundations courses

No Double Counting of Major Courses - No Grade Less Than C-

<table>
<thead>
<tr>
<th>Take these courses</th>
<th>Take 1 course</th>
<th>Take these courses</th>
<th>Take 6 credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIO 264 4</td>
<td>BIO 265 4</td>
<td>ESS 375 3</td>
<td>B 247 3</td>
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<td>HS 131 2</td>
<td>CHEM 105 4</td>
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<tr>
<td>HS 340 3</td>
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<td>HS 401 2</td>
<td>HS 331 3</td>
</tr>
<tr>
<td>HS 370 3</td>
<td></td>
<td>HS 410 3</td>
<td>HS 349 3</td>
</tr>
<tr>
<td>HS 390 2</td>
<td>ENG 316 3</td>
<td>HS 349L 1</td>
<td>HS 351 2</td>
</tr>
<tr>
<td>HS 391 3</td>
<td>COMM 102 3</td>
<td>HS 455R 1-2</td>
<td>HS 460 3</td>
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<td>HS 472 3</td>
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<td>HS 486 3</td>
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<td>HS 498 1.3</td>
<td>HS 222 3</td>
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<td>HS 223 3</td>
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<td></td>
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<tr>
<td></td>
<td>HS 280 2</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Total Major Credits=55
This major also requires a minor or 2 clusters

This major is available on the following tracks:
Fall-Winter---- YES Winter-Spring---- YES Spring-Fall---- YES

BS in Health Science
Occupational Health & Safety Emphasis (750-102)

Take required Foundations courses

No Double Counting of Major Courses - No Grade Less Than C-

<table>
<thead>
<tr>
<th>Take these courses</th>
<th>Take 1 course</th>
<th>Take these courses</th>
<th>Program Notes:</th>
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</thead>
<tbody>
<tr>
<td>BIO 264 4</td>
<td>BIO 265 4</td>
<td>HS 310 3</td>
<td>* Not currently taught.</td>
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<tr>
<td>HS 131 2</td>
<td>CHEM 105 4</td>
<td>HS 450 3</td>
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<tr>
<td>HS 472 3</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>HS 498 1.3</td>
<td>HS 222 3</td>
<td></td>
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<tr>
<td></td>
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<tr>
<td></td>
<td>HS 280 2</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Total Major Credits=55
This major also requires a minor or 2 clusters

This major is available on the following tracks:
Fall-Winter---- YES Winter-Spring---- YES Spring-Fall---- YES
### Health Science Minor (123)

**Minor Requirements**

<table>
<thead>
<tr>
<th>Take these courses</th>
<th>Take 6 credits:</th>
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<tbody>
<tr>
<td>HS 310</td>
<td>3</td>
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<tr>
<td>HS 320</td>
<td>3</td>
</tr>
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<td>HS 340</td>
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<tr>
<td>HS 370</td>
<td>3</td>
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<tr>
<td>HS 390</td>
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<tr>
<td>Take 1 course:</td>
<td>Take 1 course:</td>
</tr>
<tr>
<td>HS 131</td>
<td>2</td>
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<tr>
<td>HS 331</td>
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<tr>
<td>2</td>
<td>2</td>
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<tr>
<td>Take 1 course:</td>
<td>Take 1 course:</td>
</tr>
<tr>
<td>HS 222</td>
<td>3</td>
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<tr>
<td>HS 280</td>
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<tr>
<td>2</td>
<td>2</td>
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</tbody>
</table>

**Total Minor Credits=24**

This minor is available on the following tracks:

<table>
<thead>
<tr>
<th>Fall-Winter</th>
<th>Winter-Spring</th>
<th>Spring-Fall</th>
</tr>
</thead>
<tbody>
<tr>
<td>YES</td>
<td>YES</td>
<td>YES</td>
</tr>
</tbody>
</table>
### Minor in Health Education (171)

**Minor Requirements**

<table>
<thead>
<tr>
<th>Take these courses</th>
<th>Take 1 course:</th>
<th>Program Notes:</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIO 264 4</td>
<td>HS 223 3</td>
<td>Students must achieve a grade of C- or higher in all required courses.</td>
</tr>
<tr>
<td>HFED 100 3</td>
<td>HS 300 3</td>
<td>Students must achieve a grade of B- or higher in HS 405.</td>
</tr>
<tr>
<td>HS 405 4</td>
<td>HS 320 3</td>
<td>Students must maintain an overall GPA of 2.5 or higher to graduate.</td>
</tr>
<tr>
<td>HS 430 3</td>
<td>HS 340 3</td>
<td></td>
</tr>
<tr>
<td>HS 460 2</td>
<td>HS 349 3</td>
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<td></td>
<td>HS 349L 1</td>
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<td></td>
<td>HS 351 2</td>
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<td>HS 420 2</td>
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<tr>
<td>HS 131 2</td>
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<tr>
<td>HS 331 2</td>
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<td></td>
</tr>
</tbody>
</table>

**Total Minor Credits=20**

This minor is available on the following tracks:

- Fall-Winter---- YES
- Winter-Spring---- YES
- Spring-Fall---- YES

### Minor in Medical Assisting (193)

**Minor Requirements**

<table>
<thead>
<tr>
<th>Take these courses</th>
<th>Program Notes:</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIO 265 4</td>
<td>Students must achieve a grade of C- or higher in all required courses.</td>
</tr>
<tr>
<td>HS 222 3</td>
<td>Students must achieve a grade of B- or higher in HS 280.</td>
</tr>
<tr>
<td>HS 280 2</td>
<td>Students must achieve a grade of C or higher in all minor required courses (except HS 280 which requires a B- or higher).</td>
</tr>
<tr>
<td>MA 105 3</td>
<td>The Minor in Medical Assisting exceeds the limit of 25 credits for a minor degree. This program is a by application only program.</td>
</tr>
<tr>
<td>MA 105L 1</td>
<td></td>
</tr>
<tr>
<td>MA 106 2</td>
<td></td>
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<td>MA 107 4</td>
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<td>MA 111 3</td>
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<td>MA 205 3</td>
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<tr>
<td>MA 205L 1</td>
<td></td>
</tr>
<tr>
<td>MA 298 2</td>
<td></td>
</tr>
</tbody>
</table>

**Total Minor Credits=28**

This minor is available on the following tracks:

- Fall-Winter---- YES
- Winter-Spring---- YES
- Spring-Fall---- YES
## Health Science Pre-approved Clusters

### Health and Wellness

**Take these courses:**
- HS 420 Health Behavior Theories 2
- HS 472 Health Communications 3
- HFED 100 Essentials of Human Nutrition 3

**Take one course:**
- HS 100 Introduction to Health Professions 1
- HS 131 Personal Health Wellness 2
- HS 331 Women’s Health Issues 3

**Take one course:**
- HS 222 Advanced First Aid 3
- HS 223 Wilderness First Aid 3

**Total Credits 12**

### Industrial Health

**Take these courses:**
- HS 310 Environmental Health 3
- HS 485 Toxicology 3
- HS 486 Occupational Safety and Risk Management 3
- HS 487 Introduction to Industrial Hygiene 3

**Total Credits 12**

### Sports Medicine

**Take these courses:**
- BIO 265 Anatomy & Physiology II 4
- HS 349 Sports Medicine 3
- HS 349L Sports Medicine Lab 1
- HS 355R Athletic Training Clinical Experience 1-3
- HS 365 Kinesiology 3

**Total Credits 12**

### Emergency Care

**Take these courses:**
- HS 223 Wilderness First Aid 3
- HS 349 Sports Medicine 3
- HS 349L Sports Medicine Lab 1
- PARA 181 EMT Basic 7

**Total Credits 14**

### Public Health

**Take 1 course:**
- HS 285 Hospital and Health Administration 3
- HS 360 Community and Public Health Administration 2

**Take these courses:**
- HS 310 Environmental Health 3
- HS 370 Epidemiology 3
- HS 420 Health Behavior Theories 2
- FDMAT 222 Bio Statistics 3

**Total Credits 13**
### Course Descriptions

#### HS 100 Introduction to Health Professions
(1:1:0)
A survey course for students majoring in one of the Health Professions. Education requirements and information about health careers will be discussed, including detailed information about the careers offered by the BYU-I Health Science Department.  
(Fall, Winter, Spring)

#### HS 131 Personal Health & Wellness
(2:2:0)
Fulfills GE Basic Skills requirement.  
This Personal Health and Wellness course is designed to provide scientific health information which promotes desirable attitudes and behavior toward health and wellness. This course includes lecture and outside-of-class activities. This class satisfies the Basic Skills Option requirement.  
(Fall, Winter, Spring)

#### HS 222 Advanced First Aid
(3:3:0)
First Aid is the immediate care given to a person who has been injured or who suddenly becomes ill. Wilderness First Aid teaches protocols followed if a person is more than two hours from advanced medical support. This does not always have to be in a wilderness setting. Many times natural disasters will place individuals in situations where accessibility to advanced medical support is greatly limited or non-existent. At the completion of this course, the student will receive national certification in Wilderness First Aid & CPR.  
At the successful completion of this course, each qualifying student will receive a First Aid card and a CPR Certification card.  
(Fall, Winter, Spring)

#### HS 223 Wilderness First Aid
(3:3:0)
Fee: $13.00  
First Aid is the immediate care given to a person who has been injured or suddenly becomes ill. Wilderness First Aid teaches protocols followed if a person is more than two hours from advanced medical support. This does not always have to be in a wilderness setting. Many times natural disasters will place individuals in situations where accessibility to advanced medical support is greatly limited or non-existent. At the completion of this course, the student will receive national certification in Wilderness First Aid & CPR.  
There will be one overnight/late night field trip during the semester to engage in a mock First Aid activity.  
(Fall, Winter, Spring)

#### HS 280 Medical Terminology
(2:2:0)
This class is an introduction course into the language of medicine.  
(Fall, Winter, Spring)

#### HS 285 Hospital and Health Administration
(3:3:0)
There are twelve focuses for this course, each listed in the course outline. They are designed to introduce students to the possibility of pursuing a career in healthcare administration. Materials for the course are drawn from a variety of publications and electronic courses. Each participant will be provided a CD-Rom copy of the course materials and syllabus.  
(Fall, Winter, Spring)

#### HS 299 Professional Experience Seminar
(1-3:0:0)
This class is designed to offer credit to students ready for “hands-on” experience in helping with teaching, recording, and organizational experiences. Credit is to be determined according to the workload arranged by the student and the supervising professor.  
(Fall, Winter, Spring)

#### HS 300 Environmental Health for Secondary Teachers
(3:3:0)
Introduction to the field of environmental health. This course investigates the impact on our environment of water pollution, air pollution, solid and hazardous waste, resource recovery and reuse, energy sources, and population and how the environment impacts personal health. It is designed to prepare teachers for classroom teaching.  
(Fall)

#### HS 310 Environmental Health
(3:3:0)
Environmental health comprises those aspects of human health including quality of life that are determined by physical, biological, social, and psychosocial factors in the environment. This course provides a concise knowledge base of how our environment including air, water, food, and environmental agents may affect human health.  
(Fall, Winter, Spring)

#### HS 320 Introduction to Communicable and Non-Communicable Diseases (3:3:0)
Introduction to the general principles of disease. Etiology, signs, symptoms, treatment and management of diseases that affect individuals and their various body systems.  
(Fall, Winter, Spring)

#### HS 331 Women's Health
(3:3:0)
This class is designed for the advanced study of women's physical, emotional and social well being in today's society, including healthful practices, at risk behaviors and learning to maintain a healthy lifestyle.  
(Fall, Winter, Spring)

#### HS 340 Introduction to Community Health
(3:3:0)
Introduction to agencies, facilities, and programs playing a role in the prevention of disease and the promotion of health in the community. Special emphasis is placed on the competencies needed for community health professionals and health educators to function in a variety of community and teaching settings.  
(Fall, Winter, Spring)

#### HS 345 Healthcare Finance
Prerequisite: ACCTG 180 or 201, B 301  
Introduction to Healthcare Finance for Healthcare Administration majors who contemplate careers in administration - hospitals, ambulatory surgical centers, specialty hospitals and integrated health systems.  
(Fall, Winter, Spring)

#### HS 349 Sports Medicine
Designed for health professional students i.e. athletic trainers, coaches, health and physical educators, physical therapists, EMT's and premedical students as an introduction to sports medicine professional development and responsibilities, injury prevention and risk management, and injury management.  
(Fall, Winter, Spring)

#### HS 349L Sports Medicine Lab
Fee: $35.00  
Injury prevention, examination, and treatment techniques will be presented i.e. taping/bracing, tests and measures, and use of therapeutic modalities.  
(Fall, Winter, Spring)

#### HS 351 Gerontology
(2:2:0)
This class is designed to include the scientific study of the biological, psychological, and social aspects of aging.  
(Fall, Winter, Spring)

#### HS 355R Athletic Training Clinical Experience
(1-3:0:0)
Prerequisite: HS 349L  
May be repeated for a maximum total of 5 credits with no more than 3 credits per semester. Thirty contact hours are required for each credit. The contact hours per week to be arranged with instructor. Practical application and clinical experience in health skills and use of therapeutic and health evaluation modalities. A maximum of 3 credits will apply toward graduation.  
(Fall, Winter, Spring)

#### HS 360 Community and Public Health Administration
(2:2:0)
This course is an introduction to the functions of the local public health department and the state and federal public health agencies that provide guidance and funding. Administrative functions such as strategic planning, budgeting, leadership and ethics in public health are introduced. In depth and real life, information relative to the actual programs and services provided by the local health department are presented in the context of the core functions and essential services of public health.  
(Fall, Winter)

#### HS 365 Kinesiology
Prerequisite: Bio 264, HS 390, HS 410  
Study of functional anatomy with application of basic kinesiological and biomechanical principles in the analysis of human structure and movement.  
(Fall, Winter, Spring)

#### HS 370 Epidemiology
Prerequisite: FDMAT 221, FDMAT 222 or FDMAT 223. FDMAT 222 strongly recommended. The study of the distribution of diseases and pathophysiological conditions of humans and of factors which influence their occurrence. The course requires an understanding of the statistical principles.  
(Fall, Winter, Spring)
HS 375 Managing Healthcare Provider Organizations (3:3:0)
Prerequisite: Econ 300
Introduction to Healthcare Finance for Healthcare Administration majors who contemplate careers in administration - hospitals, ambulatory surgical centers, specialty hospitals and integrated health systems. (Fall, Winter, Spring)

HS 378 Healthcare Strategy (3:3:0)
Introduction to Healthcare Finance for Healthcare Administration majors who contemplate careers in administration - hospitals, ambulatory surgical centers, specialty hospitals and integrated health systems. (Fall, Winter, Spring)

HS 390 Program Planning and Implementation (2:2:0)
Provides both a theoretical framework for and skill development in organizing, planning, implementing, and evaluating community health interventions. Key topics include: planning models, assessing community needs, intervention theories, implementation practices, health communication, presentation strategies, and budgeting. Meets some requirements for preparation to take the CHES exam. (Fall, Winter, Spring)

HS 391 Research Methods and Program Evaluation (3:3:0)
Prerequisite: FDMAT 221, FDMAT 222 or FDMAT 223. FDMAT 222 strongly recommended. Introduction to the five section thesis, assessment instruments, data collection, research design, and statistical analysis. Students will develop strategies for evaluating the success of health education programs; implementing data collection and analysis through the use of the SPSS statistical package. Meets some requirements for preparation to take the CHES exam. (Fall, Winter, Spring)

HS 401 Health Promotion Management (2:2:0)
Prerequisite: HS 390
Designed to give the students practical experience and exposure in Health Promotion Skills that the Health promotion Educator will use. (Fall, Winter, Spring)

HS 405 Health Teaching Methods (4:3:3)
Prerequisite: HS 131 or 131W, BIO 264. This class is for students minorin in Health Education. This class is for Health Education minors emphasizing his or her role as a health educator, methodologies of teaching, and a wide variety of strategies for teaching health education. (Fall, Winter, Spring)

HS 410 Health and Fitness Appraisal & Prescription (3:3:0)
Fee: $25.00
Prerequisite: BIO 264 and BIO 265.
Methodologies and techniques for evaluations of health and fitness values including body composition, maximal oxygen consumption, anthropometric measurements, blood values, blood pressure, stress, nutrition, posture, lifestyle habits, etc. Principles of health and fitness program prescription based on individual values and recommended improvements. (Fall, Winter, Spring)

HS 420 Health Behavior Theories (2:2:0)
Provides a basic understanding of the social, emotional, and lifestyle factors related to health behavior. Practical strategies are used to identify barriers to behavior and to enhance and improve health. Meets some requirements for preparation to take the CHES exam. (Fall, Winter, Spring)

HS 425 Managing Technology in Healthcare Provider Organizations (3:3:0)
Prerequisite: Econ 300
Introduction to Healthcare Finance for Healthcare Administration majors who contemplate careers in administration - hospitals, ambulatory surgical centers, specialty hospitals and integrated health systems. (Fall, Winter, Spring)

HS 430 School Health Programs (3:3:0)
Prerequisite: This class is for students minoring in Health Education. This class is designed to inform the Health Education minors about the comprehensive health education environment including both the school and the community health programs and procedures. The class also prepares students for recognizing and dealing with “at risk” students. Introduction to needs assessment, program development, finances evaluation, and implementation of school health programs will be covered. (Fall, Winter)

HS 450 Environmental Sanitation and Water Quality Management (3:3:0)
Fee: $20.00
Comprehensive study of the environmental health and safety practices, procedures and laws as applied to food establishments, recreation sites, housing facilities, medical institutions and industrial sites throughout the United States. Field trips will be required to local facilities. Additionally, there will be hands-on experience where students will learn how to sample and test water and other environmental agents. (Fall, Spring)

HS 455R Health/Fitness Clinical Experience (1:2:0:0)
Prerequisite: Concurrent or past registration in HS 410. Practical application of health and fitness assessment protocols. Skills are applied in a clinical setting. May be repeated for a maximum of 4 credits with no more than 2 credits/semester and only 3 credits applied toward graduation. (Fall, Winter, Spring)

HS 460 Drugs of Use and Abuse (3:3:0)
The nature and effects of alcohol and other drugs on human beings, considered from physiological, psychological, and sociological viewpoints as well as effective treatments. (Fall, Winter, Spring)

HS 465 Healthcare Insurance Industry (3:3:0)
Introduction to Healthcare Finance for Healthcare Administration majors who contemplate careers in administration - hospitals, ambulatory surgical centers, specialty hospitals and integrated health systems. (Fall, Winter, Spring)

HS 472 Health Communications (3:3:0)
Prerequisite: HS 390
This course is designed to give students an exposure to different areas of communications and how to most effectively distribute health information and administer programs that an individual will most likely have to do working in the field of Health Promotion or Worksite Wellness. There will be specific assignments that will be completed in the course of the semester. We will cover other areas as time permits. (Fall, Winter, Spring)

HS 480 International Health (3:3:0)
Explores meaning of “health” as it applies to people of many different cultures throughout the world. Provides an international evaluation of the health status of these many different cultures, including their morbidity and mortality rates. Evaluates the many health promotion methods used to create healthy lifestyles and environmental concerns among these cultures. (Fall, Winter, Spring)

HS 484 Accident Investigation and Prevention (2:2:0)
Theory and function of accident investigations, reporting, documentation, and analysis systems. Form design and utilization, and cost-evaluation procedures. (Fall)

HS 485 Toxicology (3:3:0)
Prerequisite: Chemistry 101 or 105 preferred
Presents a survey of the impact of toxic chemicals found in the environment and workplace. Discussion of the basic principles of toxicology, toxicokinetics, the environmental and biological impacts of toxic chemicals, and the regulatory guidelines for working with these chemicals. (Fall, Winter)

HS 486 Occupational Safety and Risk Management (3:3:0)
This course is designed to develop an understanding of basic occupational safety and health terminology, principles and practices through education and practical activities. (Winter, Spring)
### Health Science

**Brigham Young University–Idaho 2008-2009**

#### HS 487 Introduction to Industrial Hygiene (3:3:0)
An introduction to the basics of industrial hygiene, specifically the anticipation, recognition, evaluation, and control of workplace environmental factors that may affect the health, comfort, or productivity of the worker.
(Fall, Spring)

#### HS 488 Hazardous Materials Management (2:2:0)
This class will introduce you to basic standards for managing hazardous materials and the regulations and regulatory agencies which govern them. We will explore sound practices for managing the generation, control, and disposal of hazardous materials and waste.
(Winter)

#### HS 498 Internship (1-3:0:0)
Students seek a job-related experience with various settings (e.g.) hospital, doctor's office, medical clinic, state health department, industrial/corporation, nursing home, etc. This class is normally taken during your off track of your senior year.
(Fall, Winter, Spring)

#### MA 105 Clinical Skills in Medical Assisting I (3:3:0)
Fee: $70.00
Prerequisite: HS 280-Medical Terminology, BIO 264/265-Anatomy and Physiology.
Provides instruction in the basic purposes, techniques, and documentation of procedures used to care for the ambulatory patient in a physician's office, clinic, or outpatient facility.
(Fall, Winter, Spring)

#### MA 105L Clinical Skills in Medical Assisting I Lab (1:0:2)
Fee: $30.00
Prerequisite: HS 280-Medical Terminology, BIO 264/265-Anatomy and Physiology.
Concurrent with MA 105
Provides opportunity for a Medical Assisting student to practice and become proficient in the basic procedures learned in MA 105.
(Fall, Winter, Spring)

#### MA 106 Medical Law and Ethics (2:2:0)
Introduction to the legal aspects of medical care including fundamentals of the statutes and common laws that govern the physician-patient relationship, medical ethics and federal and state regulatory agencies.
(Fall, Winter, Spring)

#### MA 107 Administrative Skills in Medical Assisting (4:4:0)
Prerequisite: HS 280-Medical Terminology
Provides instruction for Medical Assisting students in the fundamentals of medical front office management.
(Fall, Winter, Spring)

#### MA 111 Medical Billing and Coding (3:3:0)
Prerequisite: HS 280-Medical Terminology
Provides instruction to enable Medical Assisting students to master skills needed to accurately complete and process billing records and insurance forms for a physician's office, clinic or other medical facility.
(Fall, Winter, Spring)

#### MA 205 Clinical Skills in Medical Assisting II (3:3:0)
Prerequisite: HS 280-Medical Terminology
BIO 264/265-Anatomy and Physiology
MA 105/105L- Clinical Procedures I and Lab
Provides instruction in Medical Assisting procedures utilized in medical specialty practices.
(Fall, Winter, Spring)

#### MA 205L Clinical Skills in Medical Assisting II Lab (1:0:2)
Fee: $30.00
Prerequisite: HS 280-Medical Terminology
BIO 264/265-Anatomy and Physiology
MA 105/105L- Medical Procedures I and Lab
Concurrent with MA 205
Provides opportunity for a Medical Assisting student to practice and become proficient in the procedures utilized in specialty medical practices as learned in MA 205.
(Fall, Winter, Spring)

#### MA 298 Medical Assisting Externship (2:0:0)
Prerequisite: All program required classes.
Provides a minimum of 200 hours of directed work experience in an ambulatory medical office or clinic. Students, under supervision and with on-going evaluation of performance exhibit skills and perform procedures relative to the responsibilities of a Medical Assistant. Students shall not receive pay for the externship hours as mandated by the criteria for AAMA/CAAHEP accreditation.
(TBA- at completion of all required classes)