

Department of

Health Science

*Lynn Perkes, Department Chair*

Kelly Evans, Edith Hamelin, Steve Holley, James Lamph, John Lewis, Marie Parkinson, Fred Pearson, Lynn Perkes, Brian Schaat, Larry Shaw, Tyler Watson

Jean Hardy, Secretary (208) 496-1333

<http://www.byui.edu/healthsci/>

The Department of Health Science provides a variety of classes for students seeking a degree in Health Science and for non-major students seeking training in First Aid and CPR or basic personal wellness skills. Students may obtain a Bachelor of Science degree in Health Science with an emphasis in Public Health, Occupational Health and Safety, or Personal and Community Wellness. A minor in Health Science is also offered. Two Associate Degrees of Applied Science are offered – Paramedicine and Medical Assisting. A Bachelor degree in Health Education and a combined Bachelor degree in Health and Physical Education are provided in conjunction with the Education Department.

**BS in Health Science
Public Health Emphasis**

General Education Requirements

I. Reading and Writing: <i>Take 1 course:</i> ENG 111 3 ENG 111C 3 AND <i>Take 1 course:</i> ENG 311 3 ENG 311C 3 ENG 312 3 ENG 315 3 ENG 316* 3 ENG 316C* 3 *Recommended	IV. Arts: <i>Take 1 course:</i> ART 101 3 ART 104 3 ART 160 3 ART 201 3 ART 202 3 DANCE 101 3 HFED 140 3 HORT 230 3 HUM 101 3 HUM 201 3 HUM 202 3 MUSIC 100 3 MUSIC 101 3 TA 115 3 TA 117 3 AND <i>Take this course:</i> FA 100 0-1	V. Letters: <i>Take 1 course:</i> CHIN 347 3 ENG 250 3 ENG 251 3 ENG 331 3 ENG 332 3 ENG 333 3 ENG 354 3 ENG 362 3 ENG 373 3 FR 202 3 GER 202 3 LANG 202 3 PH 314 3 PHIL 110 3 PHIL 201 3 PHIL 202 3 PHIL 313 3 PHIL 314 3 PHIL 315 3 RUSS 340 3 SPAN 202 3 SPAN 302 3	VI. Biological Science: <i>Take 4 credits:</i> BIO 264 4 VII. Physical Science: <i>Take 4 credits:</i> CHEM 101 4 CHEM 105 4 CHEM 106 4 PH 101 3 PH 101L 1 PH 102 1 PH 105 3 PH 105L 1 PH 106 3 PH 106L 1 PH 115 4 PH 116 4 PH 117 3 PH 117L 1 PH 121 3 PH 127 3 PH 127L 1 PH 150 1 PH 167 3 PH 167L 1	Religion Requirement: (Book of Mormon) <i>Take these courses:</i> REL 121 2 REL 122 2 OR <i>Take this course:</i> REL 221 4 AND (Scripture Based Courses) <i>Take 6 credits:</i> REL 211 3 REL 212 2 REL 301 3 REL 301H 3 REL 302 3 REL 302H 3 REL 324 3 AND (Other Religion Courses) <i>Take 4 credits:</i> REL 100 2 REL 130 2 REL 215 2 REL 234 2 REL 235 2 REL 261 2 REL 264 2 REL 333 2 REL 341 2 REL 342 3 REL 360 4 REL 351 2 REL 352 2 REL 370 2 REL 431 2 REL 471 3 REL 475 2
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Total GE Credits=45

Major Requirements

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

Take these courses: BIO 221 3 BIO 222 1 BIO 265 4 HS 320 3 HS 340 3 HS 350R 1 HS 470 3 HS 490 3 HS 498 1-3 MATH 221 3 <hr/> 25	Take 1 course: HS 222 3 HS 223 3 <hr/> 3 Take these courses: HS 360 3 HS 400 3 HS 450 3 <hr/> 9 Take 1 course: HS 351 2 HS 460 3 HS 480* 3 HS 485 3 <hr/> 2 *not currently taught	Take 5 credits: HFED 100 3 HS 100 1 HS 280 2 HS 349 3 HS 349L 1 HS 351 2 HS 355R 1-3 HS 365 3 HS 375* 2 HS 380 3 HS 401 3 HS 410 3 HS 450 3 HS 455R 1-2 HS 460 3 HS 480* 3 HS 485 3 HS 486 3 ESS 375 3 ESS 375 L 1 <hr/> 5	Program Notes:
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Total Major Credits=44

This major also requires a minor or 2 clusters

This major is available on the following tracks:

Fall-Winter---- YES

Winter-Summer---- YES

Summer-Fall---- YES

BS in Health Science
Personal and Community Wellness Emphasis

General Education Requirements

I. Reading and Writing: <i>Take 1 course:</i> ENG 111 3 ENG 111C 3 AND <i>Take 1 course:</i> ENG 311 3 ENG 311C 3 ENG 312 3 ENG 315 3 ENG 316* 3 ENG 316C* 3 * Recommended	IV. Arts: <i>Take 1 course:</i> ART 101 3 ART 104 3 ART 160 3 ART 201 3 ART 202 3 DANCE 101 3 HFED 140 3 HORT 230 3 HUM 101 3 HUM 201 3 HUM 202 3 MUSIC 100 3 MUSIC 101 3 TA 115 3 TA 117 3 AND <i>Take this course:</i> FA 100 0-1	V. Letters: <i>Take 1 course:</i> CHIN 347 3 ENG 250 3 ENG 251 3 ENG 331 3 ENG 332 3 ENG 333 3 ENG 354 3 ENG 362 3 ENG 373 3 FR 202 3 GER 202 3 LANG 202 3 PH 314 3 PHIL 110 3 PHIL 201 3 PHIL 202 3 PHIL 313 3 PHIL 314 3 PHIL 315 3 RUSS 340 3 SPAN 202 3 SPAN 302 3	VI. Biological Science: <i>Take 4 credits:</i> BIO 264 4 VII. Physical Science: <i>Take 4 credits:</i> CHEM 101 4 CHEM 105 4 CHEM 106 4 PH 101 3 PH 101L 1 PH 102 1 PH 105 3 PH 105L 1 PH 106 3 PH 106L 1 PH 115 4 PH 116 4 PH 117 3 PH 117L 1 PH 121 3 PH 127 3 PH 127L 1 PH 150 1 PH 167 3 PH 167L 1	Religion Requirement: (Book of Mormon) <i>Take these courses:</i> REL 121 2 REL 122 2 OR <i>Take this course:</i> REL 221 4 AND (Scripture Based Courses) <i>Take 6 credits:</i> REL 211 3 REL 212 2 REL 301 3 REL 301H 3 REL 302 3 REL 302H 3 REL 324 3 AND (Other Religion Courses) <i>Take 4 credits:</i> REL 100 2 REL 130 2 REL 215 2 REL 234 2 REL 235 2 REL 261 2 REL 264 2 REL 333 2 REL 341 2 REL 342 3 REL 351 2 REL 352 2 REL 360 4 REL 370 2 REL 431 2 REL 471 3 REL 475 2
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Total GE Credits=45

Major Requirements

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

<i>Take these courses:</i> BIO 221 3 BIO 222 1 BIO 265 4 HS 320 3 HS 340 3 HS 350R 1 HS 470 3 HS 490 3 HS 498 1-3 MATH 221 3 <hr/> 25	<i>Take 1 course:</i> HS 222 3 HS 223 3 <hr/> 3 <i>Take these courses:</i> HFED 100 3 HS 365 3 HS 401 3 HS 410 3 ESS 375 3 <hr/> 15	<i>Take 2 credits:</i> ESS 375L 1 HS 100 1 HS 280 2 HS 349 3 HS 349L 1 HS 351 2 HS 355R 1-3 HS 360 3 HS 375* 2 HS 400 3 HS 450 3 HS 455R 1-2 HS 460 3 HS 480* 3 HS 485 3 HS 486 3 <hr/> 2 *not currently taught	<i>Program Notes:</i>
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Total Major Credits=45

This major also requires a minor or 2 clusters

This major is available on the following tracks:

Fall-Winter---- YES

Winter-Summer---- YES

Summer-Fall---- YES

BS in Health Science
Occupational Health & Safety Emphasis

General Education Requirements

I. Reading and Writing:	IV. Arts:	V. Letters:	VI. Biological Science:	Religion Requirement:
<i>Take 1 course:</i> ENG 111 3 ENG 111C 3 AND <i>Take 1 course:</i> ENG 311 3 ENG 311C 3 ENG 312 3 ENG 315 3 ENG 316* 3 ENG 316C* 3 *Recommended	<i>Take 1 course:</i> ART 101 3 ART 104 3 ART 160 3 ART 201 3 ART 202 3 DANCE 101 3 HFED 140 3 HORT 230 3 HUM 101 3 HUM 201 3 HUM 202 3 MUSIC 100 3 MUSIC 101 3 TA 115 3 TA 117 3 AND <i>Take this course:</i> FA 100 0-1	<i>Take 1 course:</i> CHIN 347 3 ENG 250 3 ENG 251 3 ENG 331 3 ENG 332 3 ENG 333 3 ENG 354 3 ENG 362 3 ENG 373 3 FR 202 3 GER 202 3 LANG 202 3 PH 314 3 PHIL 110 3 PHIL 201 3 PHIL 202 3 PHIL 313 3 PHIL 314 3 PHIL 315 3 RUSS 340 3 SPAN 202 3 SPAN 302 3	<i>Take 4 credits:</i> BIO 264 4 VII. Physical Science: <i>Take 4 credits:</i> CHEM 101 4 CHEM 105 4 CHEM 106 4 PH 101 3 PH 101L 1 PH 102 1 PH 105 3 PH 105L 1 PH 106 3 PH 106L 1 PH 115 4 PH 116 4 PH 117 3 PH 117L 1 PH 121 3 PH 127 3 PH 127L 1 PH 150 1 PH 167 3 PH 167L 1 VIII. American Institutions: <i>Take 1 course:</i> ECON 111 3 IX. Social Science: <i>Take 1 course:</i> SOC 111 3 SOC 112 3 Psych 111 3	(Book of Mormon) <i>Take 1 course:</i> REL 121 2 REL 122 2 OR <i>Take this course:</i> REL 221 4 AND (Scripture Based Courses) <i>Take 6 credits:</i> REL 211 3 REL 212 2 REL 301 3 REL 301H 3 REL 302 3 REL 302H 3 REL 324 3 AND (Other Religion Courses) <i>Take 4 credits:</i> REL 100 2 REL 130 2 REL 215 2 REL 234 2 REL 235 2 REL 261 2 REL 264 2 REL 333 2 REL 341 2 REL 342 3 REL 351 2 REL 352 2 REL 360 4 REL 370 2 REL 431 2 REL 471 3 REL 475 2

Total GE Credits=45

Major Requirements

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

<i>Take these courses:</i>	<i>Take 1 course:</i>	<i>Take 6 credits:</i>	<i>Program Notes:</i>
BIO 221 3 BIO 222 1 BIO 265 4 HS 320 3 HS 340 3 HS 350R 1 HS 470 3 HS 490 3 HS 498 1-3 MATH 221 3 <hr/> 25	HS 222 3 HS 223 3 <hr/> 3 <i>Take these courses:</i> HS 400 3 HS 485 3 HS 486 3 <hr/> 9 <i>Take 1 course:</i> B 370 3 CONST 320 2 HS 401 3 HS 450 3 <hr/> 2	B 370 3 CONST 320 2 HFED 100 3 HS 100 1 HS 280 2 HS 349 3 HS 349L 1 HS 351 2 HS 355R 1-3 HS 360 3 HS 365 3 HS 375* 2 HS 401 3 HS 410 3 HS 450 3 HS 455R 1-2 HS 460 3 HS 480* 3 ESS 375 3 <hr/> 6 *Not currently being taught	

Total Major Credits=45

This major also requires a minor or 2 clusters

This major is available on the following tracks:

Fall-Winter---- YES

Winter-Summer---- YES

Summer-Fall---- YES

BS in Health Education

General Education Requirements

I. Reading and Writing:	IV. Arts:	VII. Letters:	VIII. Biological Science:	Religion Requirement:
Take 1 course:	Take 1 course:	Take 1 course:	Take 4 credits:	(Book of Mormon)
ENG 111 3	ART 101 3	CHIN 347 3	BIO 264 4	Take these courses:
ENG 111C 3	ART 104 3	ENG 250 3		REL 121 2
AND	ART 160 3	ENG 251 3		REL 122 2
Take 1 course:	ART 201 3	ENG 331 3	IX Physical Science:	OR
ENG 311 3	ART 202 3	ENG 332 3	Take 4 credits:	Take this course:
ENG 311C 3	DANCE 101 3	ENG 333 3	CHEM 100 4	REL 221 4
ENG 312 3	HFED 140 3	ENG 334 3	CHEM 101 4	AND
ENG 312C 3	HORT 230 3	ENG 335 3	CHEM 105 4	(Scripture Based Courses)
ENG 313 3	HUM 101 3	ENG 351 3	CHEM 106 4	Take 6 credits:
ENG 313C 3	HUM 201 3	ENG 352 3	GEOG 101 3	REL 211 3
ENG 314 3	HUM 202 3	ENG 353 3	GEOG 101L 1	REL 212 2
ENG 315 3	MUSIC 100 3	ENG 354 3	GEOG 102 1	REL 301 3
ENG 315C 3	MUSIC 101 3	ENG 362 3	GEOG 103 3	REL 301H 3
ENG 316 3	TA 115 3	ENG 373 3	GEOG 103L 1	REL 302 3
ENG 316C 3	TA 117 3	FR 202 3	GEOG 104 3	REL 302H 3
HIST 300 3	AND	GER 202 3	GEOG 110 3	REL 324 3
	Take this course:	LANG 202 3	GEOG 110L 1	AND
	FA 100 0-1	PH 314 3	GEOG 111 3	(Other Religion Courses)
		PHIL 110 3	GEOG 111L 1	Take 4 credits:
		PHIL 201 3	GEOG 137 3	REL 100 2
		PHIL 202 3	GEOG 137L 1	REL 130 2
		PHIL 313 3	PH 101 3	REL 215 2
		PHIL 314 3	PH 101L 1	REL 234 2
		PHIL 315 3	PH 102 1	REL 235 2
		RUSS 340 3	PH 105 3	REL 261 2
		SPAN 202 3	PH 105L 1	REL 264 2
		SPAN 302 3	PH 106 3	REL 333 2
			PH 106L 1	REL 341 2
			PH 112 1	REL 342 3
			PH 115 4	REL 351 2
			PH 116 4	REL 352 2
			PH 117 3	REL 360 4
			PH 117L 1	REL 370 2
			PH 121 3	REL 431 2
			PH 127 3	REL 471 3
			PH 127L 1	REL 475 2
			PH 150 1	
			PH.S 100 3	
			PH.S 100L 1	
			PH.S 110 4	

Total GE Credits=44

Major Requirements

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

Education Core:	Take these courses:	Take 7 credits:	Program Notes:
Take these courses:	BIO 265 4	HS 300 3	Students must achieve a grade of C- or higher in all required courses.
ED 200 2	HFED 100 3	HS 320 3	
ED 492 12	HS 405 3	HS 340 3	Students must achieve a grade of B- or higher in HS 405.
SECED 280 3	HS 405L 1	HS 349 3	
SECED 410 3	HS 430 3	HS 349L 1	Students must maintain an overall GPA of 2.5 or higher to graduate.
SPED 322 2	HS 460 3	HS 351 2	
<u>22</u>	PSYCH 111 3	HS 401 3	
	<u>20</u>	HS 410 3	
	Take 1 course:	HS 490 3	
	HS 222 3	<u>7</u>	
	HS 223 3		
	<u>3</u>		

Total Major Credits=30

Education Core Credits=22

Education Majors Require an Education Minor for Graduation

This major is available on the following tracks:

Fall-Winter---- YES

Winter-Summer---- YES

Summer-Fall---- YES

AAS in Medical Assisting

General Education Requirements

I. Communication: <i>Take 3 credits:</i> ENG 111 3 ENG 111C 3 <i>Take 3 credits:</i> ENG 311 3 ENG 311C 3 ENG 312 3 ENG 312C 3 ENG 315 3 ENG 315C 3 ENG 316 3 ENG 316C 3 II. Mathematics: <i>Take 1 course:</i> MATH 108 3 MATH 110 3 III. Basic Skills: <i>Take this course:</i> COMM 150 3	IV. Arts: <i>Take 1 course:</i> ART 101 3 ART 160 3 ART 201 3 ART 202 3 HFED 140 3 HORT 230 3 HUM 101 3 HUM 201 3 HUM 202 3 MUSIC 101 3 TA 115 3 TA 117 3 AND <i>Take this course:</i> FA 100 0-1	V. Letters: <i>Take 1 course:</i> ENG 250 3 ENG 251 3 ENG 331 3 ENG 332 3 ENG 333 3 ENG 334 3 ENG 335 3 ENG 351 3 ENG 352 3 ENG 353 3 ENG 354 3 ENG 362 3 ENG 373 3 PH 314 3 PHIL 110 3 PHIL 201 3 PHIL 202 3 PHIL 313 3 PHIL 314 3 PHIL 315 3	VI. Biological Science: <i>Take this course:</i> BIO 264 4 VII. Physical Science: <i>Take 4 credits:</i> CHEM 101 4 CHEM 105 4 PH 101 3 PH 101L 1 PH 105 3 PH 105L 1 VII. American Institution: <i>Take 1 course:</i> ECON 111 3 VIII. Social Science: <i>Take 1 course:</i> PSYCH 111 3	Religion Requirement: <i>Take 4 credits:</i> REL 121 2 REL 122 2 REL 221 4 AND <i>Take 3 credits:</i> REL 100 2 REL 130 2 REL 211 3 REL 234 2 REL 261 2 REL 264 2 REL 301 3 REL 301H 3 REL 302 3 REL 302H 3 REL 324 3 REL 333 2 REL 341 2 REL 342 3 REL 351 2 REL 352 2 REL 370 2 REL 431 2 REL 471 3 REL 475 2
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Major Requirements

No Double Counting of Major Courses

Take these courses: BIO 265 4 HS 222 3 HS 280 2 MA 105 3 MA 105L 1 MA 106 2 MA 107 3 MA 111 3 MA 205 3 MA 205L 1 MA 298 2 <hr/> 27	Program Notes: Students must achieve a grade of B- or higher in HS 280 Students must achieve a grade of C or higher in all major required courses (except HS 280 which requires a B- or higher).
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Total Major Credits=27

This major is available on the following tracks:

Fall-Winter--- YES

Winter-Summer--- YES

Summer-Fall--- YES

Course Descriptions**Credits***

- 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.
(Fall, Winter, Summer)
- 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, Summer)
- HS 131W Women's Health Issues (2:2:0)**
Fulfills GE Basic Skills requirement.
Prerequisite: You must be a woman.
Introduction to women's issues. A multi-disciplinary study of women's emotional and physical issues in today's society, including health care, identifying groups at risk, and learning to maintain a healthy life style.
(Fall, Winter, Summer)
- 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. It includes self-help and home care if more advanced medical assistance is not needed or is delayed. In Advanced First Aid, the student is trained to provide emergency medical care in a wide range of acute care situations. There will be many opportunities for hands-on simulated training throughout the course of this class.

At the successful completion of this course, each qualifying student will receive a First Aid card and a CPR Certification card.
(Fall, Winter, Summer)
- 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 field trip during the semester to engage in a mock First Aid activity.
(Fall, Winter, Summer)
- HS 280 Medical Terminology (2:2:0)**
This class is an introduction course into the language of medicine.
(Fall, Winter, Summer)
- 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, Summer)

- 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 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, Summer)
- 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, Summer)
- HS 349 Sports Medicine (3:3:0)**
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, Summer)
- HS 349L Sports Medicine Lab (1:0:2)**
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, Summer)
- HS 350R Current Health Issues (1:1:0)**
This course is designed to give students an opportunity to meet on a weekly basis and discuss current health issues. The course requires out-of-class research on a weekly basis and presenting information obtained in a small group setting. Each student will also be required to do in-depth research into the topic of their choice and put together a Powerpoint presentation. It can be repeated for credit.
(Fall, Winter, Summer)
- 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)
- 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, Summer)
- HS 360 Community & Public Health Administration (3:3:0)**
Functions of local, state, and federal agencies that provide guidelines and funding to health care facilities. Emphasis will be placed on the factors that have a major impact on health care agency programs and services.
(Fall, Winter)

HS 365 Kinesiology (3:3:1)
 Prerequisite: BIO 264
 Study of functional anatomy with application of basic kinesiological and biomechanical principles in the analysis of human structure and movement.
 (Fall, Winter, Summer)

HS 375 Wilderness Health Promotion (2:2:0)
 Utilization of nature and non-traditional class room settings to instruct others in the improvement of personal wellness.
 Emphasis on getting individuals out of the office and into the outdoors to experience the healing and rejuvenating power of nature. (not currently available)

HS 380 Hospital and Health Services Administration (3:3:0)
 Introduction to Hospital and Health Services Administration for Health Science majors and Business majors who contemplate careers in administration - hospitals, ambulatory surgical centers, specialty hospitals and integrated health systems. Emphasis will be placed upon preparing students to understand career opportunities and core academic focuses for such a career.
 (Fall)

HS 400 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, Summer)

HS 401 Health Promotion Skills (3:3:0)
 Prerequisite: Program Planning, Implementation (HS 490) Fitness Appraisal and Prescription (HS 410)
 This course is designed to give the student skills in activities that an individual in Health Promotion will find useful. The students will be required to engage in a behavior modification assignment, a class presentation and the students will also participate in producing the BYU-Idaho Wellness Newsletter. Other assignments may be given.
 (Fall, Winter, Summer)

HS 405 Health Teaching Methods (3:3:0)
 Prerequisite: HS 131 or 131W, BIO 264. Must be a declared Health Education Major or Minor in junior or senior year. Health Minors are not required to have BIO 265.
 This class is for Health Education majors and 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, Summer)

HS 405L Health Teaching Methods Lab (1:0:2)
 Prerequisite: HS 405 taken concurrently.
 This lab is provided to give Health Education Majors more realistic teaching opportunities where they will be teaching for an entire class period. They will also administer and give tests.
 (Fall, Winter, Summer)

HS 410 Health and Fitness Appraisal & Prescription (3:3:0)
 Fee: \$25.00
 Prerequisite: BIO 264 and BIO 265.
 Either HS 131 or ESS 177
 Methodologies and techniques for evaluations of health and fitness values including body composition, maximal oxygen consumption, antropometric 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, Summer)

HS 430 School Health Programs (3:3:0)
 Prerequisite: Must be a declared Health Education major or minor in their junior or senior year.
 This class is designed to inform the Health Education majors and 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, Summer)

HS 455R Health/Fitness Clinical Experience (1-2:0:0)
 Prerequisite: Concurrent or past registration in HS 410. CPR certified staff.
 Practical application of health and fitness assessment protocols. Skills are applied in a clinical setting. May be repeated for a maximum of 5 credits with no more than 2 credits/semester and only 3 credits applied toward graduation.
 (Fall, Winter, Summer)

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, Summer)

HS 470 Epidemiology (3:3:0)
 Prerequisite: Math 221, Statistics, is highly 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, Summer)

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.
 (not currently available)

HS 485 Toxicology (3:3:0)
 Prerequisite: Chemistry 101 or 105, may be taken concurrently.
 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.
 (Summer, Winter)

HS 490 Planning, Implementing and Evaluation of Health Programs (3:3:0)

Individual, school, and community involvement in the concepts and skills needed in the prevention of disease, improvement of healthy lifestyles and the health promotion techniques throughout the entire lifespan. Emphasis is placed on needs assessments, health planning and health marketing.
(Fall, Winter, Summer)

HS 498 Internship (1-3:0:0)

Students will be placed in 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, Summer)

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, Summer)

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, Summer)

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, Summer)

MA 107 Administrative Skills in Medical Assisting I (3:3:0)

Prerequisite: HS 280-Medical Terminology

Provides instruction for Medical Assisting students in the fundamentals of medical front office management.
(Fall, Winter, Summer)

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, Summer)

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 speciality practices.
(Fall, Winter, Summer)

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 speciality medical practices as learned in MA 205.
(Fall, Winter, Summer)

MA 207 Administrative Skills in Medical Assisting II (3:3:0)

Prerequisite: HS 280, MA 107

Provides instruction for Medical Assisting students in more advanced procedures of medical front office management.
(Fall, Winter, Summer)

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)