

Division of Health Sciences

John McDonald, Vice President, Health Sciences
100 Sarah Fleischmann Building
(775) 784-6977

Academic Units:

School of Community Health Sciences, Director, Dana Loomis
School of Social Work, Director, Denise Montcalm
Orvis School of Nursing, Director, Patsy Ruchala
School of Medicine, Dean, Ole Thienhaus
Gerontology, Director, Betty Dodson
Sanford Center for Aging, Director, John A. McDonald
Campus Recreation and Wellness, Director, Steve Pomi
Center for Application of Substance Abuse Technologies, Director, Nancy Rogel
Center for Program Evaluation, Director, Deborah Loesch-Griffin
Nevada Center for Ethics and Health Policy, Interim Director, Sally Hardwick

About the Division

Created in July 2008, the Division of Health Sciences produces highly skilled and compassionate graduates across the spectrum of the health professions, provides competent and comprehensive clinical care, broadens community health awareness and pursues collaborative academic programs and community partnerships. The Division of Health Sciences is comprised of four schools:

- School of Community Health Services (formerly School of Public Health)
- School of Medicine
- Orvis School of Nursing
- School of Social Work.

In addition, it is the home for the:

- Center of Substance Abuse Technologies (CASAT)
- Campus Wellness and Recreation
- Nevada Center for Ethics & Health Policy
- Center for Program Evaluation
- Gerontology Academic Program
- Sanford Center for Aging.

The Division of Health Sciences is tied together by the need to find solutions for and help people towards improving their health and well-being through education, research, clinical care and public service. Through one-on-one treatment of people with health problems, providing opportunities to participate in medical and social research and conducting scholarly activities aimed at improving the health and well-being of whole populations, our faculty prepare and teach students to work in high demand professions.

Academic Advisement

Students should contact the division to arrange for an academic advisement and meet with their advisors regularly, especially before registering for courses.

Pre-Nursing, Pre-Social Work, Speech Pathology and Audiology and Community Health Science majors are advised in the Division of Health Sciences Student Center at 775-682-5930 or askdhs@unr.edu. Others are advised in their department. Phone numbers are listed in the departmental section in this catalog.

ORVIS SCHOOL OF NURSING

223 Orvis School of Nursing
(775) 784-6841

The bachelor's degree program is designed to provide the high school graduate, as well as graduates of associate degree and diploma nursing with the opportunity to obtain a baccalaureate degree in nursing. Registered Nurses seeking to complete a Bachelor's Degree in Nursing see special section below. The bachelor's degree program is the basic preparation for professional nursing practice and leadership positions in nursing. After completing the program, the graduate is qualified for nursing positions in public health agencies, schools, hospitals and other health-care providers. Nursing school graduates may also earn commissioned status in the military services, as well as admission to graduate education. The bachelor's degree program major is four semesters with admissions occurring both spring and fall semesters. See criteria below.

The baccalaureate degree program is approved by the Nevada State Board of Nursing and accredited by the Commission on Collegiate Nursing Education (CCNE).

Pre-nursing major students must complete the Core Curriculum requirements below in addition to the nursing prerequisites before entering the nursing major. No grade below C in any course will be accepted as applicable to the nursing degree

Bachelor of Science in Nursing

Credits

I. UNIVERSITY CORE CURRICULUM REQUIREMENTS35-40

NOTE: Refer to the Core Curriculum chapter of this catalog for information regarding the "Core English and Math Completion Policy".

- A. **English—3-8 credits**
Refer to the "English" section of the Core Curriculum chapter in this catalog.....3-8
NOTE: Students who place in ENG 102 are not required to complete ENG 101.
- B. **Mathematics—3 credits minimum**
Refer to the "Mathematics" section of the Core Curriculum Chapter in this catalog.....3
- C. **Natural Sciences—4 credits**
CHEM 121—General Chemistry I.....4
Refer to the "Nursing Prerequisites" section of this list.
- D. **Social Sciences—3 credits**
Choose one of the following3
ANTH 101—Introduction to Cultural Anthropology
PSY 101—Introduction to Psychology as a Social Science
SOC 101—Principles of Sociology
WMST 101—Introduction to Women's Studies
- E. **Fine Arts—3 credits**
Refer to the "Fine Arts" section of the Core Curriculum chapter in this catalog.....3
- F. **The Core Humanities—9 credits**
CH 201—Ancient and Medieval Cultures3
CH 202—The Modern World3
CH 203—American Experiences and Constitutional Change3

G. Capstone Courses—7 credits

NURS 453—Care of Clients with Complex Health Alterations: Theory	4
General Education capstone course (non-nursing)	3

H. Diversity—3 credits

Refer to the “Diversity” section of the Core Curriculum chapter in this catalog	3
---	---

Nursing Prerequisites and Core Curriculum, except for General Capstone, must be completed before entering the nursing major. See below for nursing major formal application details.

II. NURSING PREREQUISITE REQUIREMENTS - 33-34 CREDITS**Choose one of the following - 3 credits**

COM 202—Interpersonal Listening: Theory and Application	3
COM 312—Nonverbal Communication	3
COM 315—Small Group Communication	3
COM 400—Human Communication Theory	3
COM 302—Issues in Interpersonal Communication	3
CHS 310—Health and Wellness Communication	3

Complete all of the following - 24 credits

NURS 300—Technical Foundations for Nursing	2
BIOL 223 and 224 — Human Anatomy and Physiology I and II	8
BIOL 251—General Microbiology	4
CHEM 220A—Introductory Organic Chemistry Lecture	3
CHEM 220L—Introductory Organic Chemistry Laboratory	1
NUTR 223—Principles of Nutrition	3
HDFS 201—Lifespan Human Development	3

Choose one of the following - 3-4 credits

APST 207—Practical Statistics	3
APST 270—Introduction to Statistical Methods	4
PSY 210—Statistical Methods	3
SOC 210—Introduction to Statistical Methods	3
STAT 152—Introduction to Statistics	3

Behavioral Science Elective - 3 credits

During completion of the final semester of prerequisites, pre-nursing majors may apply for entrance to the nursing major by completing the formal application found on the website for OSN <http://www.unr.edu/nursing>. Admission to the nursing major is based on the GPA for selected courses included on the application to the major. The GPA for those selected courses on the application must be a minimum of 3.0 and include no grade less than C in any course.

III. NURSING MAJOR REQUIREMENTS - 57 CREDITS**Upper-Division Nursing Major Requirements**

NURS 301 R—Health Assessment of the Individual: Theory	3
NURS 301L R—Health Assessment of the Individual: Lab	1
NURS 317 R—Nursing Care of the Individual I: Theory	3
NURS 318—Nursing Care of the Individual I: Practice	5
NURS 331—Pathophysiology/Pharmacology I	3
NURS 332—Pathophysiology/Pharmacology II	3
NURS 343 R—Nursing Care of the Individual II: Theory	2
NURS 346—Nursing Care of Individuals & Families: Practice	5

Practice	5
NURS 353—Nursing Care of Families: Theory	4
NURS 418 R—Nursing Research Methods	3
NURS 433—Nursing Care of Community and Specialized Populations: Theory	4
NURS 434—Care of Community & Mental Health Populations: Practice	5
NURS 439—Care of the Chronically Ill: Theory	2
NURS 441 R—Nursing Management & Leadership	2
NURS 453—Care of Clients with Complex Health Alterations: Theory	4
NURS 454—Care of Clients with Complex Health Alterations: Practice	5
NURS 485—Trends and Issues in Nursing	3
Upper Division Electives (64 upper-division credits required)	0-5

IV. TOTAL CREDITS128**V. RECOMMENDED SCHEDULE****First Year - Fall Semester**

ENG 101—Composition I	3
CHEM 121—General Chemistry I	4
Core Fine Arts	3
ANTH 101—Introduction to Cultural Anthropology OR PSY 101—Introduction to Psychology OR SOC 101—Introduction to Sociology OR WMST 101—Introduction to Women’s Studies	3
Core Mathematics	3-5
TOTAL	16-18

First Year - Spring Semester

ENG 102—Composition II	3
CHEM 220A & 220L—Introductory Organic Chemistry	4
Behavioral Science Elective	3
PSY 210—Statistical Methods	3
HDFS 201—Lifespan Human Development	3
TOTAL	16

Second Year - Fall Semester

CH 201—Ancient and Medieval Cultures	3
Core Diversity	3
COM 302—Issues in Interpersonal Communication OR COM 312—Nonverbal Communication OR COM 315—Small Group Communication OR COM 400—Human Communication Theory	3
NURS 300—Technical Foundations for Nursing	2
BIOL 223—Human Anatomy and Physiology I	4
TOTAL	15

Second Year - Spring Semester

CH 202—The Modern World	3
CH 203—American Experiences and Constitutional Change	3
NUTR 223—Principles of Nutrition	3
BIOL 224—Human Anatomy and Physiology II	4
BIOL 251—General Microbiology	4
TOTAL	17

NOTE: Many of the courses above have prerequisites that are not shown above. These may count as general electives.

Third Year - Fall Semester

NURS 301 R—Health Assessment of the Individual: Theory	3
NURS 301LR—Health Assessment of the Individual: Lab	1
NURS 317 R—Nursing Care of the Individual: Theory	3
NURS 318—Nursing Care of the Individual: Practice	5
NURS 331—Pathophysiology/Pharmacology I	3

TOTAL	15
Third Year - Spring Semester	
NURS 332—Pathophysiology/Pharmacology II	3
NURS 343 R—Nursing Care of the Individual II: Theory.....	2
NURS 346—Nursing Care of Individuals & Families Practice.....	5
NURS 353—Nursing Care of Families: Theory	4
NURS 418 R—Nursing Research Methods	3
TOTAL	17
Fourth Year - Fall Semester	
NURS 433—Nursing Care of Community and Specialized Populations: Theory.....	4
NURS 434—Care of Community & Mental Health Populations: Practice	5
NURS 439—Care of the Chronically Ill: Theory	2
NURS 441 R—Nursing Management & Leadership.....	2
General Capstone course.....	3
TOTAL	16
Fourth Year - Spring Semester	
NURS 453—Care of Clients with Complex Health Alterations: Theory	4
NURS 454—Care of Clients with Complex Health Alterations: Practice	5
NURS 485—Trends and Issues in Nursing.....	3
Upper-division electives.....	3-4
TOTAL	16

Additional Information

Please refer to Orvis School of Nursing website at <http://www.unr.edu/nursing> for detailed information and requirements.

RN/BSN Program

Registered Nurses (R.N.) holding a diploma or an associate degree in nursing from a National League for Nursing Accrediting Commission (NLNAC) accredited nursing school and licensed to practice nursing where clinical courses will be completed are eligible to apply to the RN/BSN completion program to earn a baccalaureate degree in nursing. All nursing courses are delivered via the Internet. Nursing clinical courses are coordinated with faculty. Advanced placement credit may be earned by credit by exam evaluation. Earning advanced placement credit by exam is available only to nurses who have graduated from NLNAC accredited schools.

R.N. students must complete the UNR Core Curriculum, the nursing prerequisites and the selected nursing major courses below. Consultation with a RN/BSN faculty advisor is strongly encouraged before beginning course work. Evaluation of transfer credits may meet some lower division requirements. Students must have 3.00 GPA in required nursing prerequisite courses for acceptance into the program. For RNs with a GPA below 3.0, conditional admission may be granted. Full admission will be granted if the student maintains a 3.0 GPA in the first 8 credits earned in the nursing curriculum. For RN/BSN students, acceptance into the program occurs in the fall.

NURSING MAJOR REQUIREMENTS FOR RN/BSN	29
NURS 414 R—Concepts & Theories of Professional Nursing Practice	4
NURS 418 R—Nursing Research Methods.....	3
NURS 435 R—Community & Population Health: Theory	4
NURS 438 R—Community & Population Health: Practice	5
NURS 445 R—Advanced Leadership & Management for Professional Nursing.....	3
NURS 447—Synthesis of Professional Issues in Nursing.....	3
NURS 457—Dimensions of Health & Wellness: Theory	4
NURS 458—Dimensions of Health & Wellness: Practice.....	4

Upper Division Electives (64 upper-division credits
required).....0-6

TOTAL CREDITS.....128

SCHOOL OF COMMUNITY HEALTH SCIENCES

203 Lombardi

(775) 784-4041, Ext. 223

The School of Community Health Sciences was approved by the Board of Regents in August 2004 and was built on the former Department of Health Ecology and its popular degree programs. At present there are two degrees offered: B.S. in Community Health Sciences and a Master of Public Health.

The mission of the School of Community Health Sciences is to develop, disseminate, and apply knowledge from multiple disciplines for the promotion and protection of the health of diverse populations utilizing and ecological approach. The bachelor of science degree with a major in community health sciences provides students a broad, integrated, interdisciplinary perspective on health and wellness. The curriculum was designed to be responsive to the challenges and changes of the 21st century. The curriculum stresses the importance of cross disciplinary training, the importance of a broad core of courses related to health promotion and disease/disability prevention, the importance of good communication skills, the importance of relevant work experience, the importance of undergraduate research, and the importance of intra-university cooperation.

Preparing students for future success is the department's primary goal. Graduating with a community health sciences degree will prepare students to attend graduate or professional school in several fields, such as medicine, dentistry, physical therapy, occupational therapy, recreation therapy, exercise physiology, public health and many others.

Students who do not choose further schooling will have a wide range of career/job choices including rehabilitation services, AIDS education, exercise specialist, physical trainer, health policy analyst, health insurance advisor, corporate wellness advisor, and many more.

The Community Health Sciences degree offers an integrated program of study and research in the multidimensional aspects of health promotion and disease/disability prevention. It is suited for students who are interested in working in a wide range of health or wellness settings. People interested in specific health careers, special health settings or in teaching credentials will need to take additional courses designed specifically for their field. Advisors from the Department of Health Ecology will assist students in course selections.

Bachelor of Science Community Health Sciences Major

Credits

I. UNIVERSITY CORE CURRICULUM REQUIREMENTS

39-48

NOTE: Refer to the Core Curriculum chapter of this catalog for information regarding the "Core English and Math Completion Policy".

A. English—3-8 credits

Refer to the "English" section of the Core Curriculum chapter in this catalog.....3-8

NOTE: Students who place in ENG 102 are not required to complete ENG 101.

B. Mathematics—6-9 credits

Select one of the following:

MATH 126 R—Precalculus I or passing score on Placement Examination **OR**

MATH 127 R—Precalculus II or passing score on Placement Examination **OR**

MATH 128—Precalculus and Trigonometry or passing score on Placement Examination **OR**

MATH 176—Introductory Calculus for Business

and Social Sciences or passing score on Placement Examination OR	PED 331—Psychology of Coaching	3
MATH 181—Calculus I or passing score on Placement Examination (No credit granted for passing score on placement examination)	CHS 337—Aging: An Interdisciplinary Approach	3
and ONE of the following:	CHS 350—Management and Administration in Health and Wellness	3
STAT 152—Introduction to Statistics	CHS 355—Program Planning in Health Ecology	3
APST 270—Introduction to Statistical Methods	CHS 360—Disability Issues in Health Ecology (Diversity).....	3
C. Natural Sciences—6-7 credits	CHS 362—Athletic Injuries	3
NUTR 121—Human Nutrition	CHS 380—Research I: Introduction to Research.....	3
and ONE of the following:	CHS 381—Research II: Methods, Interpretations and Applications.....	3
CHEM 121—General Chemistry I	CHS 405—Spirituality and Health	3
CHEM 201—General Chemistry for Scientists and Engineers I	CHS 410—Seminar in Movement Based Disciplines (Major capstone course)	3
BIOL 191—Introduction to Organismal Biology I.....	CHS 415—Leadership Training in Health Professions	3
D. Social Sciences—3 credits	CHS 420—Biological Basis of Health.....	3
Refer to the "Social Sciences" section of the Core Curriculum chapter in this catalog.....	CHS 421—Health and Wellness Across the Lifespan	3
E. Fine Arts—3 credits	CHS 423—Methods of Teaching Physical Activity.....	3
Refer to the "Fine Arts" section of the Core Curriculum chapter in this catalog.....	CHS 426—Medical Anthropology	3
F. Core Humanities—9 credits	CHS 427—Toxic Communities and Public Health.....	3
CH 201—Ancient and Medieval Cultures	CHS 439—Cross-Cultural Perspectives on Aging & Health.....	3
CH 202—The Modern World	CHS 445—Human Values and Professional Ethics (General capstone course).....	3
CH 203—American Experiences and Constitutional Change	CHS 447—Health, Ethics and the Humanities (General capstone course).....	3
G. Capstone Courses—6 credits	CHS 451—Marketing Health and Wellness Programs	3
Complete ONE of the following Community Health Sciences major capstone courses:	CHS 461—The World's Health (General Capstone).....	3
CHS 410—Seminar in Movement Based Disciplines.....	CHS 452—Human Resources Management in Health and Wellness Promotion	3
CHS 445—Human Values and Professional Ethics.....	CHS 470—Principles of Physical Training	4
CHS 447—Health Ethics and Humanities.....	CHS 471—Adv. Exercise Physiology: Cardiopulmonary Physiology	4
CHS 461—The World's Health.....	CHS 476—AIDS: Psychosocial and Health Care Concerns	3
AND	CHS 491—Senior Seminar in Health Ecology	4
Refer to the "Capstone" section of the Core Curriculum chapter of this catalog for second capstone outside the major.	CHS 493—Readings in Public Health	1-3
H. Diversity—3 credits	CHS 495—Special Problems in Public Health.....	1-3
Refer to the "Diversity Requirement" section of the Core Curriculum chapter in this catalog		
(CHS 360—Disability Issues in Health Ecology recommended.)		
II. ADDITIONAL COLLEGE REQUIREMENTS.....0	IV. MINOR REQUIREMENTS.....0	
Included in major requirements		
III. MAJOR REQUIREMENTS.....54	V. ELECTIVES.....26-35	
A. Health Ecology—35 credits	See department or web site for recommended courses.	
CHS 101 R—Introduction to Community Health Sciences3		
CHS 102—Foundations of Personal Health and Wellness.4		
CHS 200—Introduction to Public Health Biology.....		
CHS 230—Introduction to Environmental Health		
CHS 270—Applied Kinesiology		
CHS 310—Health and Wellness Communication.....		
CHS 340—Policy Issues in Health and Society		
CHS 345 R—Ethics and Professionalism in Public Health 3		
CHS 370—Exercise Physiology		
CHS 473—Epidemiology		
CHS 494—Field Studies in Public Health		
B. Additional Required Courses - 10 credits		
PEX/DAN—Two activity courses.....		
BIOL 223—Anatomy and Physiology I.....		
BIOL 224—Anatomy and Physiology II.....		
C. Community Health Sciences Major Electives-9 credits min		
CHS 320—Instructional Strategies in Health and Wellness3		
	VI. TOTAL CREDITS.....128	
	VII. RECOMMENDED SCHEDULE	
	First Year - Fall Semester	
	ENG 101—Composition I	3
	MATH 126 R or 127 R or 128 or 176 or 181.....	3-5
	Core Social Science.....	3
	CHS 101 R—Introduction to Community Health Sciences OR	
	CHS 102—Foundations of Personal Health and Wellness.3	
	PEX/DAN 100-199	1
	TOTAL	13-15
	First Year - Spring Semester	
	ENG 102—Composition II.....	3
	STAT 152—Introduction to Statistics OR	
	APST 270—Introduction to Statistical Methods.....	3
	CHS 101 R—Introduction to Community Health Sciences OR	
	CHS 102—Foundations of Personal Health and Wellness.3	
	Electives	6
	TOTAL	15-16

Second Year - Fall Semester

CH 201—Ancient & Medieval Cultures.....	3
CHEM 121—General Chemistry OR	
CHEM 201—General Chemistry for Scientists and Engineers	4
AND	
BIOL 190—Introduction to Cell and Molecular Biology OR	
BIOL 191—Introduction to Organismal Biology.....	3
Core Fine Arts.....	3
CHS 200—Introduction to Public Health Biology OR	
CHS 230—Introduction to Environmental Health	3
TOTAL	16

Second Year - Spring Semester

CH 202—The Modern World OR	
CH 203—American Experiences and Constitutional Change.....	3
BIOL 223—Human Anatomy & Physiology I.....	4
NUTR 121—Human Nutrition.....	3
PEX/DAN activity course.....	1
Elective	3
CHS 200—Introduction to Public Health Biology OR	
CHS 230—Introduction to Environmental Health	3
TOTAL	17

Third Year - Fall Semester

CH 202—The Modern World OR	
CH 203—American Experience & Constitutional Change.....	3
BIOL 224—Human Anatomy & Physiology II.....	4
CHS 473—Epidemiology	3
Electives	6
TOTAL	16

Third Year - Spring Semester

CHS 270—Applied Kinesiology.....	4
CHS 345 R—Ethics and Professionalism in Public Health.....	3
Core Diversity.....	3
Electives	6
TOTAL	16

Fourth Year - Fall Semester

CHS 310—Health Communication and Promotion	3
CHS 370—Exercise Physiology	4
CHS Elective.....	3
General Capstone.....	3
Elective	3
TOTAL	16

Fourth Year - Spring Semester

CHS 340—Policy Issues.....	3
CHS 494—Field Studies in Public Health	3
CHS Capstone	3
CHS Elective	6
Elective	2
TOTAL	17

Community Health Sciences Minor—18-21 credits**Required courses:**

CHS 102—Foundations of Personal Health & Wellness	3
CHS 310—Health and Wellness Communication.....	3

Choose one of the following courses:

CHS 340—Policy Issues in Health and Society OR	
CHS 345 R—Ethics and Professionalism in Public Health.....	3

Elective courses (must have 9 credits of upper division):

Choose from any CHS courses with the exception of: CHS 380, 381, 492, 493, 494 or 495	9-12
--	------

NEVADA CENTER FOR ETHICS & HEALTH POLICY

Mackay Science 105
(775) 327-2309

The mission of the Nevada Center for Ethics and Health Policy (NCEHP) is to provide a statewide collaboration for the promotion of ethical and appropriate health care for all Nevadans through engagement, education, and empowerment. The Center began in 1999 through a grant from the Robert Wood Johnson Foundation to the Sanford Center for Aging, and Department of Health Ecology at the University of Nevada, Reno. Initially, the focus of NCEHP has been to work in partnership with organizations across the state in promoting care at the end of life following the recommendations of the Attorney General's Task Force Report published in 1997 entitled: Death with Dignity and Caring in Nevada.

In 2001, the Nevada Legislature approved the UNR statewide enhancement request to fund the Center, thus paving the way for more growth and expansion. NCEHP now resides within the School of Community Health Sciences, within the Division of Health Sciences, and hopes to partner with other departments and colleges within the NSHE in the development of healthcare ethics and policy in our state. In the future, NCEHP plans to: a) open an office in Southern Nevada; b) examine ethical and health policy issues including allocation of resources; c) emphasize health and applied research initiatives; d) facilitate a statewide system that links government agencies, corporate, private groups, higher education; and e) continue outreach to rural communities.

For more information, please visit: <http://www.healthethics.org>.

Health Care Ethics Minor—18 credits

Students who are interested in pursuing a minor in Health Care Ethics must complete a total of 18 credits; 6 of which are the required core courses. The additional 12 credits may be selected from any of the remaining electives. Students will be exposed to both theory and practice of ethics in health care sciences including medicine, nursing, biology, public health, social work, human development, research and other health and human service professions.

For more information, please call the Health Care Ethics academic program at (775) 327-2309, stop by Mackay Science, Room 105, email at ethics@unr.edu or visit <http://unr.edu/hce>

Required Courses—6 credits

HCE 301—Foundations of Health Care Ethics	3
CHS 345 R—Ethics and Professionalism in Public Health OR	
PHIL 245—Contemporary Moral Issues OR	
PHIL 450—Ethical Theory	3

Elective Courses—12 credits

Choose from following list:

HCE 451/651—Health Care Ethics in Diverse Societies.....	3
CRJ 489—Star Trek, Law, and Ethics.....	3
HCE 470—Religious Perspectives in Health, Healing & Ethics.....	3
HCE 491—Independent Study in Health Care Ethics.....	1-3
HCE 494—Practicum in Health Care Ethics	2
HCE 495/695—Special Topics in Health Care Ethics.....	3
HDFS 437—Death and Dying: Family Lifespan Perspectives	3
CHS 445—Human Values and Professional Ethics.....	3
CHS 447—Health Ethics and the Humanities.....	3
CHS 495—Special Problems in Public Health.....	3
JOUR 305—Media Ethics.....	3
NURS 497—Legal and Ethical Issues in Nursing	3
PHIL 244—Bioethics.....	3
PHIL 245—Contemporary Moral Issues.....	3
PHIL 450—Ethical Theory	3
SW 461—Social Services in Death, Dying and Bereavement.....	3

SOCIAL WORK

523 Ansari Business Building (775) 784-6542

Social work education is based upon a specific body of knowledge, values and professional skills. The baccalaureate program offers course work and field studies that prepare individuals committed to the elimination of poverty, oppression and injustice for entry-level generalist practice. The goal of professional social work practice is to enhance the functional capabilities of individuals, families, groups, organizations and communities by building on each system's unique strengths. The baccalaureate program may also prepare individuals for entry into graduate-level education.

Both the baccalaureate and master's programs are accredited by the Council on Social Work Education. The baccalaureate level prepares individuals for generalist social work practice and the master's level prepares individuals for advanced generalist social work practice.

Bachelor of Social Work

The bachelor of social work degree includes course and field work that prepare students for entry-level professional social work practice. The degree also prepares students for admission to graduate school. By combining course work and field experience, students learn the professional foundation of knowledge, theories, skills and values that enable them to function as social workers in areas such as public assistance, child welfare, mental health, rehabilitation, corrections, community development, planning and administration, aging, and health care.

The student is required to complete 45 credits in the School, 39 in required courses. The remaining six credits are social work electives and should be selected in consultation with an advisor. An additional twenty-one credits are required in courses outside the School of Social Work.

Additionally, students who major in social work must meet one of the two following requirements:

- complete school-required options in cultural diversity -specific course(s) to be determined in consultation with the student's academic advisor; **OR**
- complete a fourth-semester college course in a foreign language.

Undergraduate students interested in the social work degree are admitted to premajor status. Students enrolled in the School of Social Work as premajors, or those who have been accepted into the major, must have their courses reviewed by an advisor before registering. The admission and retention of students in the program are subject to the professional judgment of the social work faculty.

Students must apply for admission to the major by January 15th for the following fall semester. Admission materials are available online at <http://www.unr.edu/social-work>. To be considered for admission, students must meet the following requirements:

1. complete 56 credits with grade-point average of 2.5 or higher in the last 30 credits of study. (Exceptions will occasionally be considered for students who do not meet the GPA requirement but who—in the professional judgment of the faculty—demonstrate potential for social work as evidenced by strong community service, or leadership experience);
2. complete SW 220, SW 310 and SW 321 with a "C" grade or higher in each course;
3. submit a formal application;
4. submit essays addressing their: a) interest in entering the social work profession and professional goals; b) discussion of social issue/problem; c) understanding of professional ethics in social work practice; and d) understanding of how "self awareness" is used in the context of the professional helping relationship;
5. submit a resume depicting employment and volunteer experiences;
6. submit two satisfactory references - one from the applicant's SW 321 volunteer experience supervisor;
7. submit a current copy of their Degree Audit Report (DARS or RADS) if available; otherwise students need to submit copies of

up-to-date, unofficial transcripts from all institutions attended.

Requirements for graduation with a social work degree include completion of at least 128 credits and completion of all required social work courses with a "C" grade or higher in each course.

The program is fully accredited by the Council on Social Work Education at the baccalaureate level. Program graduates will be eligible to apply for Social Work licensure with the State of Nevada.

University of Nevada School of Social Work Great Basin College 3 + 1 Program

In collaboration with Great Basin College (GBC), the University School of Social Work has developed a 3 + 1 program for students who reside in rural Nevada and who are interested in pursuing a BSW degree. Through this program, students are able to complete the equivalent of the first three years of academic study at GBC and their final year as social work majors through UNR. Students in this program will be able to complete most of the University and Departmental core through GBC. Upon being accepted to the University of Nevada, Reno, and the social work major, students will complete their final coursework through the University of Nevada, Reno, (no less than 32 credits). Social work major courses will be provided to students in the Elko, Ely, and Winnemucca regions through distance education.

Students who are interested in the University/GBC 3 + 1 program should follow the same sequencing of courses as do pre-major students enrolled at the University of Nevada, Reno. Please refer to the Curriculum Plan and the Transfer Core Curriculum form for information regarding required courses and their sequencing.

Students attending GBC may obtain academic advising through GBC, and may also obtain advising regarding transferring to UNR, the social work major, and career interests/goals from the University of Nevada, Reno, School of Social Work.

Students who participate in the UNR/GBC 3 + 1 program are considered valuable members of the School of Social Work community. As such, all pre-major students are encouraged to participate in the Undergraduate Social Work Student Association (USSWA). Students who are interested in participating in USSWA should contact the BSW Program Coordinator at (775) 784-6542.

Bachelor of Social Work

Credits

I. UNIVERSITY CORE CURRICULUM

REQUIREMENTS36-43

NOTE: Refer to the Core Curriculum chapter of this catalog for information regarding the "Core English and Math Completion Policy".

- A. English—3-8 credits**
Refer to the "English" section of the Core Curriculum chapter in this catalog.....3-8
NOTE: Students who place in ENG 102 are not required to complete ENG 101.
- B. Mathematics—3-5 credits**
Refer to the "Mathematics" section of the Core Curriculum chapter in this catalog3-5
- C. Natural Sciences—6-7 credits**
BIOL 100—Biology: Principles and Applications3
Refer to the "Natural Sciences" section of the Core Curriculum chapter in this catalog for second natural sciences course.....3
- D. Social Sciences—3 credits**
SOC 101—Principles of Sociology3
- E. Fine Arts—3 credits**
Refer to the "Fine Arts" section of the Core Curriculum chapter in this catalog.3
- F. Core Humanities—9 credits**
CH 201—Ancient and Medieval Cultures3
CH 202—The Modern World3
CH 203—American Experiences and Constitutional Change3

G. Capstone Courses—6 credits
 Refer to the “Capstone” section of the Core Curriculum chapter in this catalog.....6

H. Diversity—3 credits
 Refer to the “Diversity” section of the Core Curriculum chapter in this catalog.....3

II. ADDITIONAL DIVISION REQUIREMENTS..... 9

A. Approved community service course:
 SW 480—Field Experience in Social Work I.....6

B. Approved research course:
 SW 440—Introduction to Social Work Research3

III. MAJOR REQUIREMENTS.....54

A. Major Interest Subjects—36 credits

SW 220—Introduction to Social Work3

SW 310—Human Behavior and the Social Environment I3

SW 311—Human Behavior and the Social Environment II.....3

SW 321—Foundations of Social Work Practice.....3

SW 420—Methods of Social Work I.....3

SW 421—Methods of Social Work II.....3

SW 440—See Additional Division Requirements

SW 441—Data Analysis for Social Workers.....3

SW 450—Social Welfare Policy3

SW 480—see Additional Division Requirements

SW 481—Field Experience in Social Work II6

Social work electives6

B. Additional General Requirements—15 credits

ANTH 101—The Human Experience3

PSY 101—Introduction to Psychology as a Social Science3

PSY 441—Abnormal Psychology **OR**

PSY 241 (offered at CSN, GBC, TMCC, WNC).....3

ECON 100—Introduction to Economics **OR**

ECON 102—Principles of Microeconomics **OR**

ECON 103—Principles of Macroeconomics3

CAS 154—Problems of Substance Abuse and Addiction...3

C. Approved cultural diversity course work or fulfillment of foreign language proficiency requirement -3 credits
 Consult a social work advisor for more information.

IV. MINOR REQUIREMENTS..... 0

V. ELECTIVES 22-29

VI. TOTAL CREDITS.....128

VII. RECOMMENDED SCHEDULE

First Year - Fall Semester

ENG 101—Composition I.....3

Core Mathematics.....3-5

PSY 101—Introduction to Psychology3

SW 220—Introduction to Social Work.....3

Elective3

TOTAL.....15

First Year - Spring Semester

ENG 102—Composition II.....3

SOC 101—Introduction to Sociology.....3

BIOL 100—Biology: Principles and Applications.....3

ANTH 101—Introduction to Cultural Anthropology3

Elective.....3

TOTAL15

Second Year - Fall Semester

CH 201—Ancient and Medieval Cultures.....3

Core Natural Science (Group A or B)3-4

CAS 154—Problems of Substance Abuse and Addiction...3

ECON 100, 102 OR 103.....3

Electives.....3

TOTAL15

Second Year - Spring Semester

CH 202—The Modern World3

CH 203—American Experiences and Constitutional Change.....3

Core Fine Arts3

Electives.....6

TOTAL15

Third Year - Fall Semester

SW 310—Human Behavior and the Social Environment I.....3

SW 321—Foundations of Social Work Practice.....3

PSY 441—Abnormal Psychology3

Core Diversity3

Electives.....5

TOTAL17

Third Year - Spring Semester

SW 311—Human Behavior and the Social Environment II.....3

Diversity (Upper-division - outside SW).....3

SW: Elective3

Elective3

Core Capstone3

TOTAL15

Fourth Year - Fall Semester

SW 420—Methods of Social Work I.....3

SW 440—Introduction to Social Work Research.....3

SW 450—Social Welfare Policy3

SW 480—Field Experience in Social Work I.....6

Electives3

TOTAL18

Fourth Year - Spring Semester

SW 421—Methods of Social Work II.....3

SW 441—Data Analysis for Social Workers.....3

SW 481—Field Experience in Social Work II.....3

SW Elective3

Core Capstone3

Elective3

TOTAL18

Other Minor and Certificate Programs

(For Aging Studies, see Gerontology)

Center for the Application of Substance Abuse Technologies (CASAT)

800 Haskell Street

(775) 784-6265

Two minors in addiction services are available through the Center for the Application of Substance Abuse Technologies (CASAT). All students are introduced to the field of addiction services via the overview courses of CAS 154 and CAS 255. At that point, students apply for and designate which minor they are pursuing—Addiction Treatment Services or Substance Abuse Prevention Services. The treatment minor is especially suited to students majoring in psychology, social work, criminal justice, and nursing, while the prevention minor is particularly suited to students majoring in human development and family studies, education, psychology,

and sociology. There is also an undergraduate treatment services certificate available for students who already have a bachelor's degree or do not wish to pursue a degree but seek addiction information for their chosen careers.

Formal acceptance into a minor or certificate program is required in order for students to take coursework at the 300 or 400 level. Most of the courses for these minors are available online, as well as in class. Students are encouraged to take upper-division classes in the classroom, and must take CAS 355 in person. To view information about this program online, visit: <http://casat.unr.edu> and select "Academic Programs".

An additional application process is required for acceptance into the internship, CAS 464. Applications are due by April 1 for the fall semester and November 15 for the spring semester. All applications are available through the CASAT office at 800 Haskell or by calling the department.

Addiction Treatment Services Minor—18 credits

CAS 154—Problems of Substance Abuse & Addiction3
 CAS 254—Bio/Psycho/Social Factors in Addiction.....3
 CAS 255—Substance Abuse Prevention3
 CAS 354—Addiction Treatment I.....3
 CAS 355—Individual and Group Treatment of Addiction3
 CAS 454—Addiction Treatment II.....3

Addiction Treatment Services Certificate—21 credits

All of the courses listed for the minor AND 18
 CAS 464—Internship in Addiction Treatment and Prevention.....3

Substance Abuse Prevention Services Minor—18 credits

CAS 154—Problems of Substance Abuse and Addiction3
 CAS 255—Substance Abuse Prevention3
 CAS 340—Prevention Program Planning, Research, and Evaluation3
 CAS 353—Substance Abuse Prevention Theory and Praxis3
 CAS 453—Applied Substance Abuse Prevention Practice.....3
 HDFS 438—Children and Families in a Multiethnic Society3

Graduate Certificate in Addiction Treatment and Prevention Services—18 credits

The 18-credit graduate certificate is available to people who already have a bachelor's or master's degree, but wish to add addiction-specific information to their body of knowledge. It is particularly useful to those wishing to be licensed by the state of Nevada as an Alcohol and Drug Counselor (LADC). A formal application is required and may be obtained through CASAT. For information on this program online, visit: <http://casat.unr.edu> and select "Academic Programs". GRE scores are not required for this certificate. Each student is advised on the six courses that best meet their goals and whether they already have addiction coursework at the undergraduate level. The curriculum is chosen from:

CAS 637—Aging and Addiction.....3
 CAS 639 R—Exploring Gambling Behavior2
 CEP 642B—Assessment & Diagnosis I.....3
 CAS 658—Prevention and Early Intervention Strategies in Addiction.....3
 CAS 659—Special Topics in Addiction (varied

topics available).....3
 CAS 660—Fetal Alcohol Spectrum Disorders I.....3
 CAS 674—Overview of Addiction Prevention, Treatment, and Recovery.....3
 CAS 712 R—The Neuroscience of Addiction3
 CAS 759—Assessment, Treatment, and Case Management in Addiction.....3
 CAS 760—Advanced Addiction Counseling in Community Settings3
 CAS 761—Couple and Family Treatment of Addictions.....3

**Sanford Center for Aging
 800 Haskell Street, 2nd Floor
 (775) 784-4774**

The Sanford Center for Aging, part of the University of Nevada, Reno, is an innovative statewide organization dedicated to improving the quality of life for older adults in Nevada through education, translational research and community outreach.

Origins

In the mid-20th century, Carson City pioneers Graham and Jean Cameron Sanford owned the successful Dangberg Land and Livestock Company in Minden, Nevada, south of Carson City. Three years after Graham Sanford's death in 1975, the company was sold and Mrs. Sanford moved to Carson City to care for her elderly mother.

During this period, she envisioned a future for older adults that offered vibrant health, cultural and social opportunities, and dignity of independence. Between 1982 and Mrs. Sanford's death in 1992, she donated substantial sums of money to charities, including a gift of \$100,000 to the University of Nevada, Reno in 1985 to establish the Geriatric and Gerontology Center

Mrs. Sanford later designated that 80 percent of her estate be used to establish an endowment for a special university program. Her vision was for the program to develop, implement, and foster academic and applied research, scholarship and statewide collaboration to shape the future of geriatrics and gerontology in Nevada.

In honor of her benefaction, in 1993 the state Board of Regents renamed the existing university program the Graham and Jean Sanford Center for Aging.

Today the center is supported financially by the endowment created from Mrs. Sanford's estate, federal and state grants, and philanthropic donations. Its offices, at the intersection of Taylor and Haskell streets in downtown Reno, are provided by the University of Nevada, Reno.

The Sanford Center for Aging has a three-part mission:

- 1. Education.** Interdisciplinary courses developed by the center in gerontology (the study of aging) and geriatrics (hands-on medical care) are taught at the University of Nevada, Reno. Scholarships and fellowships funded by the center encourage University of Nevada, Reno undergraduate and graduate students to specialize in aging-related fields. Training and continuing-education programs presented or co-sponsored by the center enhance the knowledge and skills of health-care professionals as well as volunteer caregivers throughout the state.
- 2. Translational Research.** The center field-tests innovative programs to deal with critical issues like medication therapy management and self-management of chronic conditions. Such programs serve the public directly while also advancing knowledge about how people age and about how to serve elder populations more effectively.
- 3. Community Outreach.** Grant support allows the center to offer free lectures and training programs throughout the year in the areas of wellness and care giving.

The center helps sponsor volunteer programs such as Retired and Senior Volunteer Program, Senior Outreach Services, and the Legacy Corp Respite Care..

Gerontology

105 Mackay Science Building
(775) 784-1324

Adults over age 65 represent a growing segment of the U.S. population. This sizable cohort will increase to 75 million by 2030 as Baby Boomers enter their retirement years. The economy, healthcare system, social services, advertising and marketing sectors, recreation and leisure industries, and national and international job markets will feel the impact.

The Gerontology Academic Program prepares today's students to understand the complex processes of aging. Gerontology is vital to those choosing a career in health care, public administration, education, business, recreation, social work, nursing, nutrition, psychology, speech pathology, audiology, law and many other professions. Through the interdisciplinary study of gerontology, students gain a broad base of knowledge about aging in the United States and international cultures, an understanding of the health and psycho-social aspects of aging, and an awareness of services that constitute the aging network.

For application, advisement and additional information please call (775) 784-1324, email gero@unr.edu or stop by the Gerontology Academic Program office in the Mackay Science Building, room 105. We invite you to visit our website at <http://hhs.unr.edu/gerontology>.

Gerontology Minor—18 credits

To complete the gerontology minor, students must take 18 credits of required core courses beginning with GERO 201 and concluding with either HDFS 440, GERO/CHS 439 or SPA 421. The following courses fulfill the 100 hour service learning requirement: GERO 201, GERO/CHS 337, HDFS 431E, HDFS 400 (both courses), HDFS 440, GERO/CHS 439, and SPA 421.

Required Courses—18 credits

GERO 201—Topics and Careers in Aging.....	3
GERO/CHS 337—Aging: An Interdisciplinary Approach OR	
HDFS 431E—Adult Development & Aging	3
HDFS 400—Special Problems: Social Aspects of Aging OR	
HDFS 400—Special Problems: Family Gerontology	3
GERO/PSY 442—Psychology of Aging	3
GERO/NURS 430—Aging & Health.....	3
HDFS 440—Perspectives on Aging OR	
GERO/CHS 439—Cross Cultural Perspectives on Aging & Health OR	
SPA 421—Communication Problems of the Aged	3

Gerontology Certificate Program—24 credits

Students may select the gerontology certificate program to acquire a specialization in the field of aging that provides a foundation for professional development in many careers. The gerontology certificate program offers an interdisciplinary curriculum, provides a broad base of knowledge as it is applied to the aging process, examines issues of concern to the older adult in today's society, and includes a practice component where students must apply theoretical knowledge in a community setting serving older adults.

Students are required to take 18 credits of core courses, including three credits of field experience that have been approved by the gerontology director. The remaining six credits are selected from the approved list of electives. Students are expected to enroll in the introductory course at the beginning of their program of study whereas field experience can only be taken after all other core courses have been completed. Students must meet with the gerontology director prior to enrolling in field experience. Upon completing the gerontology certificate program, students participate in a professional poster presentation that focuses on their field experience and receive special recognition at the annual Celebration of Aging.

Required Courses—18 credits

GERO/CHS 337—Aging: An Interdisciplinary Approach OR	
HDFS 431E/631E—Adult Development & Aging	3
HDFS 400/600—Social Aspects of Aging OR	
HDFS 400/600—Family Gerontology	3
GERO/PSY 442/642—Psychology of Aging	3
GERO/NURS 430/630—Aging & Health.....	3
GERO/NURS 493/693—Biology of Aging	3
HDFS 440/640—Perspectives on Aging OR	
GERO/CHS 439/639—Cross Cultural Perspectives on Aging & Health OR	
A comparable course approved by the advisor may also be accepted	3
GERO 499—Gerontology Field Experience OR	
PSY 447/647—Geropsychology Field Experience OR	
Field Experience by gerontology faculty mentors in other academic departments.....	3

Elective Courses—6 credits

CRJ 498—Selected Topics in Criminal Justice. Elders & the Criminal Justice System.....	3
ENG 425A—Study of Literary Themes (Old Growing: Aging & Identity in America).....	3
GERO 201—Introduction to Topics & Careers in Aging	3
GERO 437/637—Aging and Addiction.....	3
GERO 610—Geriatric Interdisciplinary Summer Internship	3
HDFS 437/637—Death & Dying: Family & Lifespan Perspectives	3
CHS 438/638—Health Aspects of Gerontology	3
CHS 445/645—Human Values & Professional Ethics.....	3
CHS 495/695—Special Problems in Public Health.....	3
PSY 448/648—Geropsychology: Independent Study.....	3
SPA 421—Communication Problems of the Aged	3
SW 461—Social Services in Death & Dying	3
SW 463—Social Work in Health Care Settings: Underserved Populations.....	3

Approved electives offered at Truckee Meadows Community College:

CPD 140—Respite & Family Care.....	3
PSY/SOC 276—Aging in Modern American Society	3

NOTE: Other courses may be accepted as electives if half of the content covered pertains to aging. Students are strongly encouraged to take a course that focuses on communication and/or counseling skills such as CHS 310—Health and Wellness Communication.

Master's Degree Programs Master of Public Health (M.P.H.) Program—43 credits

The School of Community Health Sciences offers a graduate degree program leading to a master of public health (M.P.H.). Emphases and a combined MSN/MPH degree are currently offered. The emphases are: epidemiology; social/behavioral health; health ethics, policy, and administration; child, and adolescent health; a bioethics certificate; and aging. Students are admitted to the master in public health degree program on a competitive basis. They must have an undergraduate degree from an accredited college or university to be accepted to the graduate program. No specific undergraduate major is required, but in order to be accepted in full standing to the graduate program, the applicant should demonstrate evidence of course-work in health-related disciplines and/or health-related professional experience. Examples include courses in anatomy, physiology, epidemiology, health care ethics, exercise physiology, health communication, health policy, gerontology, kinesiology, nutrition, physical education,

and recreation. Given the transdisciplinary nature of the program, students are encouraged to make their best case for the relevance of the undergraduate work they would like to be considered as meeting the above requirement. For the child and adolescent health track, students will also be required to have a minimum of one undergraduate course dealing with development over the lifespan. Students who do not have the necessary background may make up the deficiency by enrolling as undeclared (graduate special) students prior to their entrance into the program.

Additional requirements for admission:

1. An undergraduate grade point average (GPA of 3.0 or higher on a 4-point scale).
2. All applicants are required to take undergraduate courses in statistics and research methods.
3. All applicants are required to complete a standardized exam such as the Graduate Record Examination (GRE), Medicine (MCAT), Law (LSAT), Dentistry (DAT), or Business (GMAT).
4. International students must have a TOEFL score of at least 250 on the new scale (600 on the old scale).
5. International students who are admitted to the program may be required to complete additional courses from the Intensive English Language program upon enrollment.
6. Applicants must submit official copies of transcripts from all undergraduate and graduate institutions attended.
7. Three letters of recommendation from former instructors or employers indicating the student's capability to do graduate work in public health must be submitted with the application materials.
8. Completion of the admission essay required the semester of application.
9. Applicants must submit a statement of purpose outlining their desire to undertake graduate study in public health, their research interests, and their career objectives.

The goal of the Master of Public Health (M.P.H.) program is to prepare students to be effective public health professionals. Public health professionals work in a variety of organizations and agencies to contribute to the common aim of promoting and protecting health in human populations. The M.P.H. degree is a 43 credit minimum program that includes a core curriculum of 16 credits in biostatistics, social/behavioral health, epidemiology, environmental health, and health administration. In addition, all M.P.H. students must complete a 6-credit practicum and 3 credits in a MPH Capstone course. Students must also complete all required courses and a minimum of 6 credits of electives in their chosen emphasis.

Core Curriculum Requirements—16 credits

CHS 700 R—Research Methods for Public Health	1
CHS 712—Epidemiology in Public Health	3
CHS 701—Social and Behavioral Dimensions of Health	3
CHS 725—Health and the Environment.....	3
CHS 755—Health Policy and Administration.....	3
CHS 780—Biostatistics in Public Health.....	3

Culminating Experience—3 credits

MPH Capstone Course	3
---------------------------	---

Practicum Requirement/Internship—6 credits

CHS 694—Field Studies in Public Health.....	6
---	---

The curriculum includes a practicum, CHS 694 (6 credits) and other required and elective courses elsewhere. The practicum is an important element of the M.P.H. curriculum through which the student obtains experience in a practice setting appropriate to the development of professional practice skills. In addition, students who have not completed a course in disease processes, pathophysiology, or a related course must complete CHS 200—Public Health Biology or test out of the course. This credits for this course will not count toward the graduate degree.

Emphases—18 credits

Choose one of the following emphases:

HEALTH ETHICS, POLICY AND ADMINISTRATION (HEPA) EMPHASIS—18 credits

The health ethics, policy and administration emphasis prepares professionals from a variety of disciplinary backgrounds and interests, e.g., medicine, nursing, allied health, social work, psychology, dentistry, physician assistant, health education, nutrition, administration, health services, health policy, health politics, etc. Students in this emphasis have an interest in maintaining and improving the health of individuals, families, communities and populations. The health ethics, policy and administration emphasis uses a multidisciplinary approach and focuses on ethical, social, cultural, political, and economic factors that influence health practice, ethics, policy, and administration. The curriculum concentrates on strategies for analyzing and creating health policy, administering health services, and analyzing ethical practice.

Required Courses—9 credits

BADM 720—Management and Organizational Science	3
CHS 741—Methods in Health Policy Analysis.....	3
CHS 785—Public Health Ethics	3

HEPA Electives—9 credits

The HEPA Emphasis has three areas of electives: public health ethics, health policy, and health services administration. Students should design a program of study in conjunction with their HEPA advisor that fulfills their career goals.

Public Health Ethics Electives

HCE 701—Foundations of Bioethics	3
HCE 702—Ethical and Legal Issues in Bioethics	3
HCE 780—Clinical Ethics.....	3
CHS 647—Health Ethics and the Humanities.....	3
CHS 648—Research Ethics in the Health Sciences	3
CHS 747—Health Care Ethics in Religious Traditions.....	3
CHS 761—Public Health Law.....	3

Health Services Administration Electives

CHS 715—Strategic Leadership in Public Health	3
CHS 719—Advanced Seminar in Issues and Current Trends in Health Administration	3
CHS 751—Strategic Marketing of Health Services	3
CHS 752—Health Care Finance.....	3
CHS 753—Health Informatics	3
CHS 757—Evaluation of Quality and Cost Health Services	3
CHS 761—Public Health Law	3
CHS 783 R—Regression and Multi-variant Analysis in Health Sciences	3

Health Policy Electives

ECON 620—Economics of Health Care and Health Policy.....	3
CHS 743—Advanced Seminar in Health Policy and Politics.....	3
CHS 761—Public Health Law	3

ENVIRONMENTAL & OCCUPATIONAL HEALTH EMPHASIS—18 credits

The Environmental and Occupational Health emphasis emphasizes the role of global, local and personal environments and the workplace in public health. It is intended to prepare students for careers in practice and management with a focus on exposure evaluation and control and prevention of environmental and occupational disease. Through coursework in environmental sciences, toxicology, exposure assessment, epidemiology, and environmental policy, students pursuing this course of study will learn to describe important sources of contaminants in environmental media and routes of

human exposure; recognize potential causes of occupational and environmental disease and injury and their mechanisms of action; identify and apply methods to measure population exposure to contaminants; recommended strategies for control of exposure and disease prevention; critically review scientific literature in environmental and occupational health; and communicate effectively about public health concerns related to the environment and the workplace.

Required Courses—9-10 credits

NRES 632—Advanced Environmental Toxicology.....3

OR

NUTR 728—Food and Nutritional Toxicology.....2

CHS 724—Environmental Epidemiology.....3

CHS 735—Introduction to Exposure Assessment and Control.....3

CHS 794—Readings in Environmental and Occupational Health.....1

Elective Courses—9 credits

Choose **THREE** of the following courses:

ATMS 612—Introduction to Air Pollution.....3

CEE 617—Introduction to Environmental Quality and Analysis.....3

CEE 653—Environmental Microbiology.....3

CEE 658—Fundamentals of Environmental Chemistry.....3

CEE 659 R—Hazardous and Solid Waste Management and Control.....3

NRES 612—Environmental Law.....3

NRES 633—Environmental Chemicals: Exposure, Transport, and Fate.....3

PSC 603B—Energy Politics and Policy.....3

PSC 603C—Environmental Policy.....3

PSC 603D—Global Environmental Policy.....3

CHS 627—Toxic Communities and Public Health.....3

CHS 695—Special Problems in Public Health.....1-3

CHS 739—Cancer Epidemiology.....3

CHS 753—Health Informatics.....3

CHS 761—Public Health Law.....3

CHS 777—Introduction to Industrial Hygiene.....3

CHS 781—Environmental and Occupational Health Risk Assessment.....3

CHS 783 R—Regression and Multi-variant Analysis in Health Sciences.....3

CHS 784—Conduct and Analysis of Clinical Trials.....3

EPIDEMIOLOGY EMPHASIS—18 credits

The epidemiology emphasis is designed for students seeking to acquire skills in the fundamental methods of disease investigation and prevention in large populations. Emphasis courses focus on basic and advanced epidemiologic principles and their application to current problems in public health and related appropriate methods to plan, implement, and conduct epidemiologic research. Students are also expected to critically evaluate research methodology to assess validity and potential sources of bias. Skills in computer use and statistics acquired in the public health program are used to analyze, interpret, and disseminate the results of epidemiologic investigations.

Required Courses—12 credits

CHS 703 R—Applied Health Data Analysis.....3

CHS 708—Epidemiology II (Theory and Application).....4

CHS 709 R—Epidemiologic Research Design and Planning.....2

CHS 753—Health Informatics.....3

Eligible Elective Courses—6 credits

Choose **TWO** of the following courses:

CHS 706—Social Epidemiology.....3

CHS 707—HIV/AIDS Epidemiology.....3

CHS 722—Epidemiology of Chronic Diseases.....3

CHS 723—Epidemiology of Infectious Diseases.....3

CHS 724—Environmental Epidemiology.....3

CHS 739—Cancer Epidemiology.....3

CHS 740—Epidemiology of Cardiovascular Disease.....3

CHS 742—Epidemiology of Tropical Diseases.....3

CHS 748—Epidemiologic Surveillance.....3

CHS 749—Outbreak Investigation.....3

CHS 783 R—Regression and Multi-variant Analysis in Health Sciences.....3

CHS 784—Conduct and Analysis of Clinical Trials.....3

SOCIAL AND BEHAVIORAL HEALTH EMPHASIS—18 credits

Required Courses—12 credits

CHS 705—Theoretical Foundations of Health Promotion.....3

CHS 720—Program Planning and Grant Writing.....3

CHS 721—Program Evaluation in Public Health.....3

CHS 746—Cultural Diversity Issues in Public Health.....3

Elective Courses—6 credits

Choose **TWO** of the following courses (all courses are three credits unless otherwise noted):

ECON 620—Economics of Health Care and Health Policy

EDSP 632—Serving Individuals with Disabilities and Their Families

HDFS 637—Death and Dying: Family and Lifespan

Perspectives

HDFS 638—Children and Families in a Multiethnic Society

HDFS 658—Families and Public Policy

NURS 630—Aging and Health

NUTR 720—Public Health Nutrition

NUTR 725—Nutrition and Health

PSY 641—Abnormal Psychology

PSY 642—Psychology of Aging

PSY 644—Psychology of Exceptional Children

PSY 748—Community Psychology

CHS 605—Spirituality and Health

CHS 626—Medical Anthropology

CHS 627—Toxic Communities and Public Health

CHS 639—Cross-Cultural Perspectives on Aging and Health

CHS 647—Health Ethics and the Humanities

CHS 648—Research Ethics in Public Health

CHS 676—AIDS: Psychosocial and Healthcare Concerns

CHS 695—Special Problems in Public Health

CHS 710—Health Behavior Change

CHS 711—Advocacy in Health Promotion

CHS 738—Public Health and Aging

CHS 739—Cancer Epidemiology

CHS 783 R—Regression and Multi-variant Analysis in Health Sciences.....3

CHS 784—Conduct and Analysis of Clinical Trials.....3

CHS 785—Public Health Ethics

CHS 791—Seminar: Health Communication

SOC 657—Society and Health

For students who want to specialize in Child and Adolescent Health; take the following 9 credits in place of the elective credits:

Required Emphasis Courses—9 credits

Choose **TWO** of the following:

HDFS 631a—Advanced Studies In Human Development And Family: Infancy.....3

HDFS 631b—Advanced Studies In Human Development And Family: Early Childhood.....3

HDFS 631c—Advanced Studies In Human Development And Family: Middle Childhood.....3
 HDFS 631d—Advanced Studies In Human Development And Family: Middle Childhood.....3
 HDFS 676 R—Issues in Family Health
 Choose ONE of the following
 HDFS 720—Theories of Human Development.....3
 HDFS 730—Family Theories.....3
 CHS 421-Health and Wellness Across the Lifespan3
 NURS 708—Nursing Theories and Family Health Patterns3

- Growth and development (must cover lifespan);
- Basic research;
- Health assessment

4. Have verification of current licensure to practice as a registered nurse in the United States. Students must be eligible to practice as a registered nurse in Nevada;
5. Submit a statement of intent including graduate-study goals;
6. Provide three letters of reference to the graduate program director using the form on the OSN website.
7. Successful completion of a graduate level applied statistics course prior to fall admission.

An interview may be required.

Master of Science in Nursing

Graduate education at the MSN level prepares registered nurses for advanced practice, educator and leadership positions in health care. MSN level study develops clinical competence and increased sophistication in exploring and identifying a theoretical framework for nursing practice.

MSN education also serves as an introduction to scholarly activity for those who wish to pursue the doctoral degree in nursing. Research focuses on the search for nursing knowledge, analysis and evaluation of nursing theory and the study of strategies for nursing application. MSN education also provides students with the opportunity to realize their creative potential and collaborate with other health care professionals in maintaining effective nursing and health care.

The master’s degree program offers three areas of study: clinical nurse leader, family nurse practitioner, and nurse educator and a dual degree option. Post-master’s family nurse practitioner, clinical nurse leader, and nurse educator certifications are also available. **The MSN program is accredited by the Commission on Collegiate Nursing Education (CCNE).**

Graduate Program Objectives

1. Provide advanced nursing services for multi-cultural and ethnic individuals, families and populations.
2. Demonstrate ethical professional behaviors.
3. Collaborate with other professionals and members of the community to provide optimal health care to individuals, families, special populations, and communities with an emphasis on health promotion and disease prevention.
4. Respect diversity and address complex health care needs of persons, including the un-served and under-served, populations and communities, in the role of nurse leader, educator, and/or advanced practice nurse.
5. Participate in the organization, management, and policy negotiations of health care delivery systems.
6. Participate in monitoring and encouraging quality health care practices.
7. Participate in the development of nursing as a science, through the use of theory, research, and scientific processes.
8. Acquire a foundation for doctoral study.

Academic Admission to the Master of Science in Nursing Major

This is a two-step process, wherein the applicant must first meet the university’s Graduate School requirements as well as the Orvis School of Nursing MSN requirements. Both schools must receive all application materials on or before March 1 for consideration for the fall semester.

1. Submit scores for the Graduate Record Exam (GRE) - optional.
2. Have an overall undergraduate grade-point average of at least 3.0.
3. Complete a baccalaureate degree with an upper-division major in nursing from an NLNAC- or CCNE accredited nursing school. The baccalaureate degree curriculum must include the following specific course work
 - Statistics;

The total of required credits for completing the degree varies according to the option the student selects. The minimum number of required credits for completion of the MSN is 35.

Applicants who plan to apply graduate-level credit earned at another university to the University of Nevada, Reno may be able to satisfy specific course requirements in the nursing program. Applicants must provide specific course information for review to determine if the transferred courses are equivalent to university requirements. If approved, such courses may be included in the official program of study.

Grade Requirements

MSN students must maintain a minimum grade of “B” in each required graduate-level nursing course. Students who receive grades below “B” may repeat one course one time.

Prerequisite for 700-level Nursing Courses

Prerequisites for 700-level nursing courses are: admission to both the Graduate School and the graduate program of the Orvis School of Nursing or permission of the graduate program coordinator. A graduate level statistics course must be completed prior to enrollment in NURS 735 R - Intro to Knowledge Development & Scientific Inquiry. Please contact the OSN Graduate Coordinator for information on admission as a graduate special student.

Clinical Nurse Leader Specialization—35-37 credits

NURS 735 R—Introduction to Knowledge Development & Scientific Inquiry3
 NURS 736—Health Care Policy and Social Justice3
 NURS 737—Population/Aggregate Health Care Issues.....3
 NURS 738—Advanced Principles of Pathophysiology and Pharmacology I4
 NURS 750 R—Advanced Health Assessment and Health Promotion.....3
 NURS 746—Evidence-Based Practice & Management of Clinical Outcomes3
 NURS 747—Leadership Development and Care Management.....3
 NURS 748/CHS 753—Health Informatics3
 NURS 760 R—Advanced Nursing Care of Specialized Populations I6
 NURS 795 R—Comprehensive Exam (1 credit) AND
 NURS 798—Research Project (3 credits) OR
 NURS 797—Thesis (Thesis Option) (6 credits).....4-6

RECOMMENDED SCHEDULE (CLINICAL NURSE LEADER/ MSN)

Program of study (Full Time)

Fall Semester 1

NURS 735 R—Introduction to Knowledge Development & Scientific Inquiry3
 NURS 738—Pathophysiology/Pharmacology I4

NURS 750 R–Advanced Health Assessment and Health Promotion.....	3
Spring Semester 1	
NURS 760 R–Advanced Nursing Care of Specialized Populations.....	6
NURS 746–Evidence-Based Practice & Management of Clinical Outcomes.....	3
Fall Semester 2	
NURS 748/CHS 753–Health Informatics.....	3
NURS 736–Health Care Policy & Social Justice.....	3
NURS 737–Population/Aggregate Health Care Issues.....	3
Spring Semester 2	
NURS 795 R–Comprehensive Exam (1 credit) AND	
NURS 798–Research Project (3 credits) OR	
NURS 797–Thesis (Thesis Option) (6 credits).....	4-6
NURS 747–Leadership Development and Care Management.....	3
Program of study (Part-Time)	
Fall Semester 1	
NURS 735 R–Introduction to Knowledge Development & Scientific Inquiry.....	3
NURS 737–Population/Aggregate Health Care Issues.....	3
Spring Semester 1	
NURS 760 R–Care of Specialized Populations.....	6
NURS 746–Evidence-Based Practice & Management of Clinical Outcomes.....	3
Fall Semester 2	
NURS 738–Pathophysiology/Pharmacology I.....	4
NURS 750 R–Advanced Health Assessment and Health Promotion.....	3
Spring Semester 2	
NURS 747–Leadership Development and Care Management.....	3
Fall Semester 3	
NURS 736–Health Care Policy & Social Justice.....	3
NURS 748/CHS 753–Health Informatics.....	3
Spring Semester 3	
NURS 795 R–Comprehensive Exam (1 credit) AND	
NURS 798–Research Project (3 credits) OR	
NURS 797–Thesis (Thesis Option) (6 credits).....	4-6

Clinical Nurse Leader Graduate Certificate -12 credits

NURS 746–Evidence-Based Practice & Management of Clinical Outcomes.....	3
NURS 747–Leadership Development and Care Management.....	3
NURS 748/CHS 753–Health Informatics.....	3
Approved Elective.....	3

RECOMMENDED SCHEDULE

Fall Semester	
NURS 748/CHS 753–Health Informatics.....	3
Spring Semester	
NURS 746–Evidence-Based Practice & Management of Clinical Outcomes.....	3
NURS 747–Leadership Development and Care Management.....	3

Family Nurse Practitioner Specialization—52-54 credits

Program of study

Fall Semester	
NURS 735 R–Introduction to Knowledge Development	

& Scientific Inquiry.....	3
NURS 737–Population/Aggregate Health Care Issues.....	3
NURS 738–Advanced Principles of Pathophysiology and Pharmacology I.....	4
NURS 750 R–Advanced Health Assessment.....	3
TOTAL.....	13

Spring Semester

NURS 755–Advanced Primary Care I.....	7
NURS 739–Advanced Principles of Prescribing and Pharmacology.....	2
TOTAL.....	9

Summer Session (First and Second)

NURS 708–Nursing Theories and Family Health Patterns.....	3
NURS 756–Advanced Primary Care II.....	3
TOTAL.....	6

Fall Semester

NURS 718 R–Advanced Health Promotion.....	3
NURS 736–Health Care Policy and Social Justice.....	3
NURS 757–Advanced Primary Care III.....	7
TOTAL.....	13

Spring Semester

NURS 758–Advanced Primary Care IV.....	7
NURS 797–Thesis.....	6
OR	
NURS 795 R–Comprehensive Exam.....	1
AND	
NURS 798–Research Project.....	3
TOTAL.....	11-13

Individuals participating in a part time program of study, please contact the School of Nursing for a modified schedule.

Advanced Graduate Certificate Nurse Practitioner—42 credits

NURS 736–Health Care Policy & Social Justice.....	3
NURS 708–Nursing Theories and Family Health Patterns.....	3
NURS 739–Advanced Principles of Prescribing & Pharmacology.....	2
NURS 738–Advanced Principles of Pathophysiology & Pharmacology.....	4
NURS 718 R–Advanced Health Promotion.....	3
NURS 750 R–Advanced Health Assessment.....	3
NURS 755–Advanced Primary Care I.....	7
NURS 756–Advanced Primary Care II.....	3
NURS 757–Advanced Primary Care III.....	3
NURS 758–Advanced Primary Care IV.....	7

Nurse Educator Specialization—37-39 credits

Program of Study (full time)

Fall Semester 1

NURS 735 R–Introduction to Knowledge Development & Scientific Inquiry.....	3
NURS 738–Advanced Principles of Pathophysiology and Pharmacology I.....	4
NURS 750 R–Advanced Health Assessment.....	3
TOTAL.....	10

Spring Semester 1

NURS 760 R–Advanced Nursing Care of Specialized Populations I.....	6
NURS 780–Curriculum Development and Evaluation in Nursing.....	3
TOTAL.....	9

Fall Semester 2

NURS 736—Health Care Policy and Social Justice3
 NURS 737—Populations/Aggregate Health Care
 Issues.....3
 NURS 781—Instructional Design & Evaluation in
 Nursing Education.....3
 TOTAL9

Spring Semester 2

NURS 782—Nursing Education Role Practicum5
 NURS 795 R—Comprehensive Exam (1 Credit) AND
 NURS 798—Research Project (3 Credits) OR
 NURS 797—Thesis (Thesis Option).....4-6
 TOTAL9-11

Program of Study (part time)

Fall Semester 1

NURS 735 R—Introduction to Knowledge
 Development & Scientific Inquiry3
 NURS 736—Health Care Policy and Social Justice3
 TOTAL6

Spring Semester 1

NURS 780—Curriculum Development and
 Evaluation in Nursing.....3
 TOTAL3

Fall Semester 2

NURS 738—Advanced Principles of Pathophysiology
 and Pharmacology I.....4
 NURS 750 R—Advanced Health Assessment3
 TOTAL7

Spring Semester 2

NURS 760 R—Advanced Nursing Care of
 Specialized Populations I.....6
 TOTAL6

Fall Semester 3

NURS 781—Instructional Design & Evaluation in
 Nursing Education.....3
 NURS 737—Populations/Aggregate Health Care
 Issues.....3
 NURS 795 R—Comprehensive Exam (1 Credit) AND
 NURS 798—Research Project (1-3 Credits) OR
 NURS 797—Thesis (Thesis Option) (3 Credits)2-4
 TOTAL8-10

Spring Semester 3

NURS 782—Nursing Education Role Practicum.....5
 NURS 795 R—Comprehensive Exam (1 Credit) AND
 NURS 798—Research Project (1-2 Credits) OR
 NURS 797—Thesis (Thesis Option) (3 Credits)2-3
 TOTAL7-9

Advanced Graduate Certificate in Nursing Education—17 credits

Program of study

NURS 760 R—Advanced Nursing Care of Specialized
 Populations.....6
 NURS 781—Instructional Design and Evaluation.....3
 NURS 782—Education Practicum5
 TOTAL17

Master of Science in Nursing/Master of Public Health

The Master of Science in Nursing/Master of Public Health combined degrees program provides an opportunity for nurses to gain knowledge and skills in public health, education, and community

health nursing. There are two nursing options available within the combined degrees program. The first option provides the nurse with the knowledge and skills to practice in public health and to teach in schools of nursing or in health education settings. The second option provides the knowledge and skills to practice in public health and advanced community health nursing. In addition to the core courses of the MPH and MSN programs, the education option includes teaching and learning theories; curriculum development and evaluation, instructional design; and student and program evaluation. It includes a practice teaching experience in a school of nursing or an education practice setting. For the clinical specialization option, courses include knowledge and skills in advanced community health nursing practice.

The education track courses and some of the core courses in nursing and public health are offered through WebCT-based classes and focus on teacher-facilitated independent learning. Occasional on-campus classes are held to enhance the distance-education format.

MPH Overall Program Objectives

1. A professional program that has applicability to public health issues across the lifespan in Nevada and around the world.
2. A broad range of courses within the department and across campus related to public health issues, including health promotion and disease/disability prevention.
3. Relevant work experiences infused throughout didactic classroom experiences that are directly related to public health issues across the lifespan in Nevada and around the world.

MSN/MPH Program Objectives

Upon completion of the MSN/MPH Education and Community Health Nursing Clinical Specialist Options, the graduate is able to:

1. Express caring as a central and core value of nursing by demonstrating ethical professional behaviors in helping-trusting, relationships with aggregates, clients, patients, students, staff and colleagues in the education setting.
2. Participate knowledgeably in the development, implementation, revision, and evaluation of nursing curricula and nursing programs to ensure quality education in health care.
3. Participate in the development of nursing knowledge through the use of education and nursing theories and scientific processes.
4. Utilize a variety of teaching strategies and educational resources in collaboration with other health professionals and educators to facilitate theoretical and practicum learning experiences.
5. Using a broad understanding of relevant social issues, integrate the philosophy and mission of a school of nursing or an agency into the development and evaluation of nursing/health care curricula.
6. Utilize a variety of advanced community health nursing strategies in collaboration with other health professionals to promote the health of aggregates and communities. (Community Health Nursing Clinical Specialist Option only.)
7. Function as an advocate within an education and community health care environment.
8. Respect diversity and the complex multifaceted health promotion and disease prevention needs of all persons, including un-served and under-served aggregates and communities in the role of nurse leader and educator.

MSN/MPH Core Courses—21 credits

NURS 735 R—Intro to Knowledge Development &
 Scientific Inquiry3
 CHS 701—Social and Behavioral Dimensions of
 Health.....3
 CHS 712—Epidemiology in Public Health.....3
 CHS 725—Health and the Environment3
 CHS 755—Planning, Administration and
 Evaluation in Health Promotion3
 CHS 780—Biostatistics in Public Health.....3
 CHS 785—Public Health Ethics3

Educator Specialization—62-63 credits

MSN/MPH Core Courses	21
NURS 708—Nursing Theories and Family Health Patterns Nursing.....	3
NURS 737—Populations and Aggregate Health Issues.....	3
NURS 739—Advanced Principles of Prescribing & Pharmacology	2
NURS 738—Advanced Principles of Pathophysiology & Pharmacology	4
NURS 718 R—Advanced Health Promotion	3
NURS 750 R—Advanced Health Assessment	3
NURS 760 R—Advanced Nursing Care of Specialized Populations	6
NURS 780—Curriculum Development and Evaluation in Nursing	3
NURS 781—Instructional Design & Evaluation in Nursing Education	3
NURS 782—Education Role Practicum	5
Plan A (Thesis)—6 credits	
CHS/NURS 797—Thesis (Plan A)	6
OR	
Plan B (Non-Thesis)—7 credits	
CHS 795/NURS 795 R—Comprehensive Examination	1
CHS 796/NURS 798—Research Project (Plan B)	6

Community Health Nursing Clinical Specialist Option—62-63 credits

MSN/MPH Core Courses - 21 credits	
NURS 708—Nursing Theories and Family Health Patterns Nursing.....	3
NURS 737—Populations and Aggregate Health Issues.....	3
NURS 739—Advanced Principles of Prescribing & Pharmacology.....	2
NURS 738—Advanced Principles of Pathophysiology & Pharmacology.....	4
NURS 718 R—Advanced Health Promotion	3
NURS 750 R—Advanced Health Assessment	3
NURS 760 R—Advanced Nursing Care of Specialized Populations.....	6
CHS/NURS Elective.....	3
Plan A (Thesis)—6 credits	
CHS/NURS 797—Thesis (Plan A)	6
OR	
Plan B (Non-Thesis)—7 credits	
CHS 795/NURS 795 R—Comprehensive Examination	1
CHS 796/NURS 798—Research Project (Plan B)	3
Elective.....	3

Post Master's Certificate - Palliative Care Emphasis—12 credits

This certificate program is intended for nurse practitioners and other advanced practice nurses who work with those individuals who are eligible for palliative care, sometimes defined as care provided to terminal patients in the last two years of their lives. In most instances, these individuals are senior citizens, typically seen in internal medicine or family practice settings, with multiple co-morbid conditions making their management more complex. The state of Nevada does not have a program in place to educate advanced practice nurses to provide holistic care for these individuals, and this program will provide that needed service.

Certificate Requirements:

HDFS 437/637—Death and Dying: Family and Lifespan Perspectives	3
---	---

NURS 740—Palliative Care: Symptom Management	3
NURS 741—Palliative Care: Clinical Emersion.....	3
GERO/HCE 638—Palliative Care: Spiritual and Ethical Practices.....	3

Graduate Certificate in Bioethics

105 Mackay Science Building

(775) 784-1252

ethics@unr.edu

The graduate certificate in Bioethics provides an opportunity for graduate students and working professionals in the health care fields to gain knowledge and skills in the specialized area of bioethics. The program seeks to teach students the core competencies called for by the American Society for Bioethics and Humanities. These objectives include (1) ethical assessment skills, (2) process skills, and (3) interpersonal skills. This program provides a specialization that can be productively used to enhance one's current career or to supplement work in another degree. Courses are offered in evenings, weekends, intensive, and web-based classes in addition to traditional courses. Students must have a B (3.0) or better average in each course to earn the certificate and all course work must be completed within 5 years of matriculation.

Admissions Requirements:

Students not enrolled in a graduate degree program must complete a graduate special application and notify Health Care Ethics of their intent to complete the certificate program. Students must be admitted to both the Certificate Program and the Graduate School. Students already enrolled in a graduate program must be graduate students in good standing and apply to the certificate program through Health Care Ethics. In both cases, students must send to HCE two letters of recommendation, transcripts, a two-page statement of purpose, and a writing sample. Applicants must have a 2.75 GPA.

Certificate Requirements - 14 credits:

A total of 14 graduate credits are required. Students must complete the 8 credit core as well as 6 credits in elective classes.

Required Core Courses:

HCE 701—Foundations of Bioethics	3
HCE 702—Legal and Ethical Issues in Bioethics	3
HCE 780—Clinical Ethics	2

Elective Requirements

CHS 645—Human Values and Professional Ethics	3
CHS 647—Health Ethics and the Humanities	3
CHS 747—Health Care Ethics in Religious Traditions.....	3
CHS 785—Public Health Ethics	3
HCE 651—Health Care in Diverse Societies.....	3
HCE 670—Religious Perspectives in Health, Healing & Ethics	3
HCE 691—Independent Study in Health Care Ethics	1-3
HCE 695—Topics in Health Care Ethics	3
HDFS 637—Death and Dying: Family and Lifespan Perspectives	3
PHIL 650—Ethical Theory	3

For more information, contact Health Care Ethics at (775) 327-2309, ethics@unr.edu or stop by Mackay Science Building, room 105 or visit <http://www.unr.edu/hce>.

Master of Social Work

The purpose of graduate social work education at the University of Nevada, Reno is to prepare advanced generalist social workers who will practice in public and private agencies. The program is committed to the enhancement of human well-being and the promotion of social and economic justice, with particular attention to the strengths and needs of the citizens of Nevada and the underserved populations of the state.

For students without a bachelor's degree in social work from an

accredited program, the master of social work degree requires the completion of 62 credits of foundation and concentration level coursework, which can be completed through a two, three or four year program of study. Students who hold a bachelor's degree in social work from an accredited program must complete the 32 credits of concentration level courses in one year if full time, two years if part time. The admission and retention of students in all programs are subject to the professional judgment of the social work faculty.

The program does not offer any credit for life experiences.

Thirty credits of foundation course work and field placements (600-level courses) provide students the opportunity to develop generalist social work skills, values and knowledge as well as professional social work perspective. The concentration courses and field placements (700-level courses) provide instruction in the multiple methods, multiple theories and multiple levels of assessment which characterize the advanced generalist practitioner (AGP).

Students may elect Plan A: AGP Thesis Option or Plan B: AGP Professional Option during their concentration year of study. Students selecting Plan A should enroll in SW 797—Thesis, a 6-credit, two semester course. The thesis is suggested for students committed to 1) developing a particular area of social work research, and 2) working autonomously under the direction of a thesis committee. It builds on strong foundation-level research skills and requires significant commitment and work during the summer preceding the concentration year. Plan B is designed for students who wish to demonstrate their mastery of advanced generalist practice in social work through an individualized program of study that specifies course work (including electives) and a professional paper developed under the direction of a graduate advisory examining committee.

Credits

Foundation level:

SW 610—Human Behavior I.....	3
SW 611—Human Behavior II.....	3
SW 620—Foundations of Social Work Practice I.....	3
SW 621—Foundations of Social Work Practice II.....	3
SW 630—Foundations of Social Welfare Policy.....	3
SW 640—Introductory Social Work Research Methods.....	3
SW 650—Structural Oppression.....	3
SW 680—Foundation Practicum I.....	4
SW 681—Foundation Practicum II.....	4
Elective.....	1

Concentration level:

SW 720—Advanced Generalist Practice: Individuals and Families.....	3
SW 721—Advanced Generalist Practice: Small Groups.....	3
SW 722—Advanced Generalist Practice: Organizations and Communities.....	3
SW 730—Advanced Social Welfare Policy.....	3
SW 740—Advanced Research: Conceptualization and Design.....	3
SW 741—Advanced Research: Data Collection and Analysis.....	3
SW 780—Advanced Practicum I.....	4
SW 781—Advanced Practicum II.....	4
SW 797—Thesis (Plan A) OR Committee-Guided SW electives—600/700 level (Plan B) 6	

The MSW program is fully accredited by the Council on Social Work Education. Program graduates are eligible to apply for social work licensure with the State of Nevada.

A limited number of graduate assistantships are available. An application for a graduate assistantship can be obtained online at <http://www.unr.edu/social-work>. To maintain an assistantship, students are expected to maintain at least a 3.0 grade point average, maintain satisfactory degree progress and perform the assistantship tasks in a satisfactory manner.

For further information about the master of social work program or its graduate assistantships, contact the Director or the MSW Program Coordinator of the School of Social Work at (775) 784-6542.

Dual Doctor of Medicine / Master of Public Health Degree (MD/MPH)

The School of Community Health Sciences and the University of Nevada School of Medicine (UNSOM) offer students the opportunity to pursue dual MD/MPH degrees. The dual program integrates the two areas of study and allows for 9 credit hours to count toward both degrees. MD/MPH students complete the training for the MPH degree usually between their third and fourth years of medical school.

In order to be eligible for admission to the MD/MPH program, the applicant must meet all admission requirements for both programs (e.g., submitting MCAT scores and letters of recommendation). Applicants must be admitted first to the University of Nevada School of Medicine (UNSOM). Following that, students interested in the MD/MPH degree apply to the MPH program and must have a minimum undergraduate GPA of 3.0. Completing 43-credit hours is required for an MPH. Students must maintain a GPA of 3.0 or higher. Students must complete all core courses in public health (e.g., epidemiology, health policy) and one specialization within the field. Students must pass all courses and 32 elective credits in the medical school program. They must also pass the USMLE Step 1 and Step 2-Clinical Knowledge and Step 2-Clinical Skills examinations in order to graduate from the medical program.

During their first two years of instruction, students are provided with opportunities to learn the concepts, skills and professional values essential to the practice of medicine, including the basic sciences – biochemistry, behavioral sciences, anatomy, physiology and cell biology, microbiology, pathology, and pharmacology; the foundation skills in patient care necessary for entering the clinical years; and courses in problem solving for integrating basic and clinical sciences. Students must choose an emphasis within Public Health (e.g., health ethics, policy, and administration, epidemiology, social/behavioral health, environmental/occupational health) and complete the required and elective courses in their area. All emphases require a minimum of 43 credits.

First Year

BCH 601—Human Biochemistry I
BCH 602—Human Biochemistry II
IMED 601—Medical Nutrition
MED 603—Clinical Problem Solving I
MED 605—Ethics, Law, and Medicine
MED 606—Introduction to Patient Care I
PCB 600—Clinical Gross Anatomy & Embryology I
PCB 601—Clinical Gross Anatomy & Embryology II
PCB 602—Clinical Histology
PCB 603—Medical Neuroscience
PCB 610—Medical Cell Biology
PCB 611—Systems Physiology
PCHY 601—Human Behavior

Second Year

BCH 603—Medical Molecular Genetics
MED 604—Clinical Problem Solving II
MED 607—Introduction to Patient Care II
MED 609—Community Medicine & Health Policy
MICR 601—Medical Microbiology
PATH 601—General Human Pathology/Laboratory Medicine
PATH 602—Systemic Human Pathology/Laboratory Medicine
PCHY 602—Psychiatric Medicine
PHAR 601—Medical Pharmacology

NOTE: Students are required to take Steps 1 & 2 of the United States Medical Licensing Exam (USMLE) before they graduate. Students must receive a passing score on Step 1 before progressing to the third year and must pass Step 2—Clinical Knowledge (CK) and Step 2—Clinical Skills (CS) in order to graduate. The conversion time between the UNR credit system and UNSOM weeks of elective credit is 40-45 hours (or about 1 week's effort) is equivalent to 1 credit.

Third Year—Required Clerkships

- Transition to Clinical Medicine Course (1 week)
- FCM 651—Family Medicine (6 weeks)
- IMED 651—Internal Medicine (12 weeks)
- MED 651—Clinical Reasoning in Medicine (One Semester)
- OBGY 651—Obstetrics and Gynecology (6 weeks)
- PCHY 651—Psychiatry (6 weeks)
- PEDI 651—Pediatrics (6 weeks)
- SURG 651—Surgery (12 weeks)

Fourth Year

- MED 608—Advanced Clinical Experience in Rural Health (4 weeks)
- Electives (32 weeks)
- NOTE:** Fourth year medical school students choose a number of elective courses, both in Nevada and out of state, to develop depth and breadth in their clinical training. The choices are based on their interests, potential strengths and desire to enhance clinical skills. Students also spend a required four-week rotation with a rural Nevada physician in order to become acquainted with the practice of medicine in a small community.

The list below are examples of medical school program electives which can be adapted to the MPH internship and culminating project for 9 overlapping credits which may be shared between the programs.

- MED 608—Advanced Clinical Experience in Rural Health (Rural Rotation)
- FCM 661c—Advanced Public Health and Preventive Medicine (Carson City)
- FCM 661j—Advanced Clinical Experiences in Underserved Areas
- FCM 661p—UNR Student Health Center Ambulatory Care Rotation (Reno)
- FCM 662/IMED 662—Advanced Clinical Experiences in Nutrition (Reno and Las Vegas)
- FCM 691/IMED 691—Independent Study in Clinical Nutrition (Reno and Las Vegas)
- PEDI 661t—Organizational Aspects of Health Care Delivery (Las Vegas)
- PEDI 690—Individual Study or Research in Pediatrics (Reno and Las Vegas)
- PCHY 690—Elective in Psychiatry with Department Faculty (Reno)
- SURG 690—Independent Study/Research (Las Vegas)

MPH Core Curriculum Requirements - 16 credits

- CHS 701—Social and Behavioral Dimensions of Health.....3
- CHS 712—Epidemiology in Public Health.....3
- CHS 725—Health and the Environment.....3
- CHS 755—Policy and Health Administration.....3
- CHS 780—Biostatistics in Public Health.....3

MPH Emphasis Area Requirements - 18 credits

Refer to MPH program in the Health and Human Sciences section of the catalog for specific emphasis area requirements (e.g., health ethics, policy administration, epidemiology, social/behavioral health, environmental/occupational health).

Project and Examination Requirement: 6 credits

- CHS 795—Comprehensive Examination.....1
- CHS 796—Professional Project.....5

Internship Requirement: 3 credits

- CHS 694—Field Studies in Public Health.....3

Ph.D. in Public Health

The Ph.D. in Public Health is designed to prepare students for careers in which advanced analytical and conceptual capabilities are required, such as university teaching, research, consulting, policy development or other high-level positions. The curriculum includes

courses providing a public health perspective and a specialization in a public health discipline, as well as research and a dissertation. A specialization in Environmental and Occupational Health is currently offered. The program is a collaboration between the University of Nevada, Reno and the curriculum with options to take courses at either institutions.

Campus Recreation and Wellness

- Lombardi General Info (775) 784-1225**
- Drop In Class Registration (775) 784-1950**
- Aquatics (775) 682-7174**
- Equipment Rental (775) 784-1225**
- Intramural Sports (775) 682-7085**
- Outdoor Recreation (775) 682-7039**
- All Services (775) 784-1225 or (775) 682-7172**
- Website - <http://www.hhs.unr.edu/crw/>**

Mission

Campus Recreation and Wellness (CRW) is committed to the development of a health learning environment supportive of the internal quality of campus life, a quality of life that fosters personal growth and enhances creative, scholarly activity by providing quality recreational programs and services that complement the academic process.

CRW Programs and Services

Housed in the Lombardi Recreation Building, Campus Recreation and Wellness offers a variety of programs, facilities and services, including basic instructional of PEX classes, intramural sports, group fitness, aquatics, fitness center, racquet courts, gymnasiums, equipment rental and outdoor recreation. Visit <http://hhs.unr.edu/crw/> to read about what CRW has to offer you.

Center for Program Evaluation

Phone: (775) 784-4432

Email: cpe@unr.edu

Through an approach known as partnership evaluation, the Center for Program Evaluation (CPE) provides an alternative to traditional evaluation services by working in partnership with those who strive to improve the quality of life in their communities. CPE focuses on three primary areas of specialization: health and wellness; youth development and education; and community and family services.

CPE has collaborated on grant proposals and projects with many University of Nevada, Reno, units. The Center for Program Evaluation has also worked with many government and community agencies and non-profit organizations

CPE Programs and Services

The Center for Program Evaluation provides a range of services from technical assistance to full external evaluations to numerous organizations and agencies using a partnership evaluation model. Partnership evaluation represents a shared and active approach to critical inquiry, with evaluators sharing the responsibility and commitment for evaluation with community and program stakeholders. Evaluators and stakeholders work together to assess programs or organizations and use information gleaned from the evaluation to inform decision-making and improve programs and systems.

Unlike more traditional research and evaluation designs, partnership evaluation designs are more evolutionary in nature—methodology and questions emerge as program processes evolve and as preliminary findings reveal new directions and program impacts not identified at the outset of the process. Our program evaluations blend traditional research methods and reporting, such as pre-post surveys and technical reports, with alternative methods and reporting strategies as dictated by program and client needs.

Three focal service areas of the Center for Program Evaluation are:

1. Securing grants and contracts to provide quality evaluation services for new initiatives, programs, and service delivery

systems both independently and in collaboration with the University faculty and community-based partners

2. Increasing the capacity of UNR faculty, community based organizations, and educational and health systems in Nevada through ongoing evaluation training, support, and technical assistance
3. Providing high quality training experiences to promote evaluation as a profession to help meet the growing demand for program evaluation services

Graduate Programs

Evaluation Training Institute. Since 2004, CPE has offered several program evaluation courses through the organization's annual Evaluation Training Institute (ETI). Course selection varies each year.

SCHOOL OF MEDICINE

Ole J. Thienhaus, M.D., M.B.A., Dean
Pennington Building, Second Floor
(775) 784-6001

The University of Nevada School of Medicine is a community-based medical school which means the school uses existing clinical facilities in its clinical training programs; it owns no teaching hospital.

The School of Medicine is comprised of five basic science and sixteen clinical science teaching departments. Interaction among the disciplines provides students with a well-balanced approach to health care education.

The School of Medicine provides a range of baccalaureate, graduate, and professional degree programs.

Department of Admissions and Student Affairs

- Office of Admissions and Student Affairs-(775) 784-6063
- Office of Recruitment and Student Affairs-(702) 671-6457

Baccalaureate Degree Programs

The School of Medicine offers a bachelor of science degree with a major in speech pathology and audiology. The clinical training and practicum associated with these fields are fully integrated with the school's curriculum. Students earn their baccalaureate degrees by completing the following requirements:

1. A total of 128 credits in required and elective courses. Of the 128 credits, a maximum of eight credits of combined courses in recreation and physical education and military science (below 300-level) may apply;
2. A minimum of 40 credits in courses numbered 300 or above;
3. The university Core Curriculum requirements;
4. The general university requirements regarding grade-point average and resident credit.

The number of credits taken on an satisfactory/unsatisfactory (S/U) basis may not exceed 30. These courses may not be taken to fulfill degree or core curriculum requirements.

B.S./M.D. Program

The School of Medicine, in partnership with the University of Nevada, Reno (UNR), offers a seven year accelerated pathway for a small number of motivated, mature high school seniors who intend to pursue a career in medicine. Students accepted into this program will complete the first three years of the required undergraduate curriculum at UNR, followed by the traditional four years of medical school. Students must select from a limited number of science majors for this program. Students are awarded the B.S. degree after successful completion of the first year of medical school, and are then awarded the M.D. degree after successful completion of all medical school requirements.

Applicants must be first-time freshman applicants to UNR. The program includes the full curriculum of both the undergraduate

partner and the School of Medicine. In addition, summer coursework, research, and clinical experience will be required of students accepted in the program. For information, contact the BS-MD Medical School Advisor at BSMD@medicine.nevada.edu or 775-784-6063

BIOCHEMISTRY

Howard Medical Sciences
(775) 784-6031

UNDERGRADUATE CURRICULUM

An undergraduate major emphasizing biochemistry and molecular biology is offered by the Department of Biochemistry and administered through the College of Biotechnology and Natural Resources (refer to the College of Biotechnology and Natural Resources section in this catalog). The program provides the student with a well-rounded general education emphasizing the biological and chemical sciences. It provides specific training in the major field through a sequence of biochemistry and molecular biology courses taken primarily during the student's junior and senior years. A minor in biochemistry is also available.

The bachelor of science degree with a major in biochemistry prepares students for graduate study, civil service positions, and work in industrial and professional fields related to life, agricultural and medical sciences. Active areas of research for department faculty include: the molecular biology, biochemistry and physiology of plants; the molecular biology, biochemistry and physiology of insects; cancer therapeutics; and structural biology. Students with a specific interest in any of these areas should contact the department as early as possible for advisement.

SPEECH PATHOLOGY AND AUDIOLOGY

103 Nell J. Redfield Building
(775) 784-4887

The bachelor of science degree with a major in speech pathology and audiology is the *preprofessional* program. A master's degree is essential for *professional* competence in the field, and it is a requirement for state licensure and the Certificate of Clinical Competence by the American Speech-Language-Hearing Association (ASHA-CCC).

In the bachelor's degree program, students must complete a minimum of 38 credits in speech pathology and audiology, and 25 clock hours of supervised observation with individuals who display a variety of communicative disorders.

All speech pathology and audiology majors are required to have their programs approved by a faculty adviser within the department.

Bachelor of Science Speech Pathology Major

Credits

I. UNIVERSITY CORE CURRICULUM REQUIREMENTS.....33 MINIMUM

NOTE: Refer to the Core Curriculum chapter of this catalog for information regarding the "Core English and Math Completion Policy".

A. English—3-8 credits

Refer to the "English" section of the Core Curriculum chapter in this catalog.....3-8

NOTE: Students who place in ENG 102 are not required to complete ENG 101.

B. Mathematics—3-6 credits

Refer to the "Mathematics" section of the Core Curriculum chapter in this catalog.....3-6

C. Natural Sciences—6-8 credits

Refer to the "Natural Sciences" section of the Core Curriculum chapter in this catalog. SPA requires one Biological and one Physical Science.6-8

D. Social Sciences—3 credits

Refer to the "Social Sciences" section of the Core

Curriculum chapter in this catalog	3	AM 145 American Sign Language I (required).....	4
E. Fine Arts—3 credits		AM 146 American Sign Language II (elective).....	4
Refer to the “Fine Arts” section of the Core Curriculum chapter in this catalog.....	3	Related Disciplines – 24 credits required in this category	
F. Core Humanities—9 credits		Electives – 3 credits	
CH 201—Ancient and Medieval Cultures	3	Electives (variable).....	3
CH 202—The Modern World	3	Second Year	
CH 203—American Experiences and Constitutional Change	3	CH 201 Ancient and Medieval Cultures	3
G. Capstone Courses—6 credits		CH 202 The Modern World	3
Refer to the “Capstone” section of the Core Curriculum chapter in this catalog.....	6	CH 203 American Experiences and Constitutional Change	3
H. Diversity		AM 147 Sign Language-Level Three (elective).....	3
Refer to the “Diversity” section of the Core Curriculum chapter in this catalog.....		AM 148 Sign Language-Level Four (elective).....	3
II. ADDITIONAL SCHOOL REQUIREMENTS	0	Core Diversity SPA 301 Survey of Speech Pathology	3
III. MAJOR REQUIREMENTS	66	SPA 320 R Phonetics	3
A. Speech Pathology—38 credits		SPA 340 R Phonetics	3
SPA 301—Survey of Speech Pathology	3	SPA 340—Speech and Language Development	3
SPA 320 R—Phonetics	3	SPA 345—Seminar in Clinical Procedure	2
SPA 330—Communication Science	3	SPA 362—Introduction to Audiology	3
SPA 340—Speech and Language Development	3	SPA 364 R—Articulation Disorders	3
SPA 345—Seminar in Clinical Procedure	2	SPA 365—Advanced Audiological Testing	3
SPA 362—Introduction to Audiology	3	SPA 370—Methods of Clinical Management	3
SPA 364 R—Articulation Disorders	3	SPA 400—Assessment of Communication Disorders	3
SPA 365—Advanced Audiological Testing	3	SPA 421—Communication Problems of the Aged	3
SPA 370—Methods of Clinical Management	3	SPA 466—Rehabilitation for Hearing Handicapped.....	3
SPA 400—Assessment of Communication Disorders	3	SPA 467—Communication and Language Disorders in Children	3
SPA 421—Communication Problems of the Aged	3	B. Sign Language—4 credits	
SPA 466—Rehabilitation for Hearing Handicapped.....	3	AM 145—American Sign Language I.....	4
SPA 467—Communication and Language Disorders in Children	3	C. Related Disciplines—24 credits	
B. Sign Language—4 credits		Students must earn 24 credits in related disciplines such as anthropology, mathematics, medicine, nursing, biology, physical sciences, psychology, special education, linguistics or descriptive grammar, sociology, statistics, child development, technical writing, or interviewing and counseling. Please consult speech pathology and audiology advisor for approved courses.	
AM 145—American Sign Language I.....	4	Undergraduate students are required to have an overall university GPA of 2.75 for transfer into, continuation in, and graduation from the Department of Speech Pathology and Audiology.	
C. Related Disciplines—24 credits		IV. ELECTIVES.....	VARIABLE
Students must earn 24 credits in related disciplines such as anthropology, mathematics, medicine, nursing, biology, physical sciences, psychology, special education, linguistics or descriptive grammar, sociology, statistics, child development, technical writing, or interviewing and counseling. Please consult speech pathology and audiology advisor for approved courses.		V. TOTAL CREDITS.....	128
Undergraduate students are required to have an overall university GPA of 2.75 for transfer into, continuation in, and graduation from the Department of Speech Pathology and Audiology.		40 credits must be upper division, 300-400 level.	
IV. ELECTIVES.....	VARIABLE	VI. RECOMMENDED SCHEDULE	
V. TOTAL CREDITS.....	128	First Year	
40 credits must be upper division, 300-400 level.		Core English – 6 credits	
VI. RECOMMENDED SCHEDULE		ENG 101 Composition I.....	3
First Year		ENG 102 Composition II	3
Core English – 6 credits		Core Mathematics – 3 credits	
ENG 101 Composition I.....	3	Core Natural Sciences –6 credits	
ENG 102 Composition II	3	Biological Science (required for SPA).....	3
Core Mathematics – 3 credits		Physical Science (required for SPA).....	3
Core Natural Sciences –6 credits		Core Social Sciences – 3 credits	
Biological Science (required for SPA).....	3	Core Fine Arts – 3 credits	
Physical Science (required for SPA).....	3		
Core Social Sciences – 3 credits			
Core Fine Arts – 3 credits			

The University offers numerous interdisciplinary and special programs relevant to this major, for example gerontology and developmental disabilities. See your advisor for further information.

Graduate Degree Programs Biochemistry Major

The university offers an interdepartmental biochemistry graduate program, leading to master of science and doctor of philosophy degrees.

For specific program information, refer to the Interdisciplinary and Special Programs section of this catalog.

Cell and Molecular Biology Major

Cell and molecular biology is an interdisciplinary program offered by the School of Medicine, and the College of Agriculture, Biotechnology and Natural Resources. Study programs lead to the master of science or doctor of philosophy degree. Additionally, medical students may earn a Ph.D. degree through the program.

For specific program information, refer to the Interdisciplinary and Special Programs section of this catalog.

Cellular and Molecular Pharmacology and Physiology Major

Cellular and molecular pharmacology and physiology is an interdisciplinary graduate program. The program leads to a doctor of philosophy degree.

For specific program information, refer to the Interdisciplinary and Special Programs section of this catalog.

Combined M.D./M.P.H.

The M.D./M.P.H. Program is designed for students with an interest in Public Health, especially Epidemiology and Social and Behavioral Health. The program is designed to permit students to complete the M.D. and M.P.H. degrees in five years. Optimally the Public Health curriculum will be taken between the 3rd and 4th year of medical school. The program can be complete in the time period due to overlapping credit granted between the two schools. Students must first be accepted in to the M.D. program; then they may apply to the M.P.H. program as well. Students may apply to the M.P.H. program following the successful completion of their first semester of medical school up until the end of their third year. Students should indicate their interest in applying to the dual degree program to the office of Admissions and Student Affairs and the Office of Medical Education at the School of Medicine and the M.P.H. Graduate Program Director at mphadmin@unr.nevada.edu .

Combined M.D./Ph.D.

A combined M.D./Ph.D. degree program is offered with majors in biochemistry, biomedical engineering, cellular and molecular biology, pharmacology and physiology.

Degree candidates may be accepted to the M.D./Ph.D. program only after being accepted to the School of Medicine as a regular M.D. student. Candidates must also meet the admission criteria of the Graduate School. Students may apply for admission to the Program and Graduate School during the spring semester of the second year of medical education. An additional application must be submitted to the M.D./Ph.D. program committee and the Graduate School. The MD/Ph.D. program requires one (1) credit of comprehensive exam which will count toward the required 72 credits and will count toward the required 30 credits of 700-level course work.

For further information, contact David Lupan, Ph.D. in the Office of Medical Research at 784-4908.

Speech Pathology and Audiology Major Ph.D. Degree

Requirements for the Doctor of Philosophy (Ph.D.) in speech

pathology are a minimum of 72 graduate credits of which 24 credits must be dissertation and 1 credit must be comprehensive examination. The 1 credit of comprehensive exam is used as an elective but cannot be used to fulfill the required 30 credits of 700-level required course work. The doctoral student must declare two areas of emphasis in speech pathology selected from the areas of language disorders, phonology, voice disorders, alaryngeal speech, stuttering, cleft palate, and neurogenic disorders. The program of study leading to the Ph.D. must be approved by the student's Advisory-Examining Committee and will include experience in teaching, clinical supervision and research.

Doctoral students must meet all requirements for admission to the Graduate School and the degree requirements of the Graduate School and the University. Prior to admission to candidacy, there is a comprehensive, written examination followed by an oral examination. Upon completion of the dissertation, there is a defense of the dissertation. There is no foreign language requirement.

Master of Science Degree

The Master of Science degree program is designed to provide a professional level of competency in speech pathology to students who have an undergraduate degree in speech-language pathology or the equivalent undergraduate course work. Degree candidates must meet the general admission requirements of the Graduate School. The Speech Pathology and Audiology master's program is accredited by the Council on Academic Accreditation in Audiology and Speech-Language-Hearing Pathology, American Speech-Language-Hearing Association (CAA-ASHA).

A minimum of 45 academic credits must be completed at the graduate level for the master's degree. Students must choose either a thesis or non-thesis option. The non-thesis option includes 45 academic credits plus one comprehensive examination credit. The thesis option includes 45 academic credits plus six thesis credits. In Clinical Practicum, graduate students must complete the prescribed clock hours of supervised clinical experience as stipulated by ASHA.

Students who complete the master's program are expected to acquire the background and experience necessary to pass the American Speech-Language-Hearing Association national examination. Students must pass the exam to be recognized and certified as competent speech pathologists.

An approved program in speech pathology and audiology (meeting national certification requirements) is developed by the graduate advisor, Advisory-Examining committee and the student. The suggested curriculum is listed below:

	Credits
SPA 660—Aspects of Speech Pathology and Audiology	1
SPA 661—Advanced Speech Pathology	2
SPA 667—Language Assessment and Intervention in Children.....	3
SPA 720—Research Design and Data Analysis.....	3
SPA 721—Craniofacial Disorders.....	3
SPA 723—Language Theory.....	3
SPA 751—Dysphasia.....	3
SPA 752—Fluency Disorders.....	3
SPA 753—Motor Speech Disorders.....	3
SPA 754—Seminar in Alaryngeal Speech	2
SPA 755—Medical Speech Language Pathology	3
SPA 757—Experimental Phonetics.....	3
SPA 759—Seminar in Clinical Procedures (3 semesters required).....	2
SPA 762—Disorders of Voice.....	3
SPA 767—Advanced Practicum (2 semesters required).....	2
SPA 797—Thesis	1-6

Depending on prior undergraduate coursework, students may also need to complete the following: SPA 466, 664, 765.

Graduate Special Standing

Students who qualify for graduate special status will have to

complete the following undergraduate curriculum prior to applying for admission to the graduate program: SPA 301, 320, 330, 340, 345, 362, 364, 365/765, 370, 467. These courses must be taken in a prescribed sequence to ensure completion within a one-year time period.

Four-year Medical School Program

The School of Medicine was established in 1969 on the Reno campus as a two-year basic sciences program and was authorized to convert to a four-year, M.D. degree-granting school in 1977 by the state legislature. In 1981, the school graduated the first class of physicians trained completely in Nevada.

The goal of the school is to graduate students who are knowledgeable, caring, skillful, responsible physicians capable of entering any specialty training program and delivering high quality health care to the individual, the family and the community.

Classes, laboratories and clinical activities take place in a combination of on-campus buildings and community health facilities in both urban and rural Nevada. Affiliation agreements with hospitals located throughout the state provide students with access to clinical facilities.

The School of Medicine is fully accredited by the Liaison Committee on Medical Education.

Institutional Objectives for the medical school are located on our website at <http://www.medicine.nevada.edu/dept/ome/objectives.asp>

Years 1 and 2

During their first two years of instruction, students are provided with opportunities to learn the concepts, skills, and professional values essential to the practice of medicine, including the basic sciences—biochemistry, behavioral sciences, anatomy, physiology and cell biology, microbiology, pathology and pharmacology; the foundation skills in patient care necessary for entering the clinical years; and courses in problem solving for integrating basic and clinical sciences.

First Year

BCH 601-602—Human Biochemistry I & II
 IMED 601—Medical Nutrition
 MED 603—Clinical Problem Solving I
 MED 605—Ethics, Law and Medicine
 MED 606—Introduction to Patient Care I
 PCB 600—Clinical Gross Anatomy and Embryology I
 PCB 601—Clinical Gross Anatomy and Embryology II
 PCB 602—Clinical Histology
 PCB 603—Medical Neuroscience
 PCB 610—Medical Cell Biology
 PCB 611—Systems Physiology
 PCHY 601—Human Behavior

Second Year

BCH 603—Medical Molecular Genetics
 MED 604—Clinical Problem Solving II
 MED 607—Introduction to Patient Care II
 MED 609—Community Medicine and Health Policy
 MICR 601—Medical Microbiology
 PATH 601—General Human Pathology/Lab Medicine
 PATH 602—Systemic Human Pathology/Lab Medicine
 PCHY 602—Psychiatric Medicine
 PHAR 601—Medical Pharmacology

Students are required to take Steps 1 and 2 of the United States Medical Licensing Exam before they graduate. Students must receive a passing score on Step 1 before progressing to the third year and must pass Step 2 – Clinical Knowledge (CK) and Step 2 – Clinical Skills (CS) in order to graduate.

Years 3 and 4

The second two years of medical school are spent in Reno, Las Vegas and rural Nevada communities in the clinical setting (in doctors' offices, the affiliated hospitals and university-operated ambulatory care centers). The School of Medicine currently requires that students complete the following clinical rotations: Family Medicine, Internal Medicine, Obstetrics and Gynecology, Pediatrics, Psychiatry, and Surgery. These rotations are conducted under close supervision of medical school faculty and residents.

Students prepare for their clerkships by participating in a week long Transition to Clinical Medicine preparatory course. During their Family Medicine-Internal Medicine-Pediatrics blocks, students take Clinical Reasoning in Medicine, a longitudinal course designed to refine students reasoning and diagnostic skills as well as acquaint them with common conditions from an interdisciplinary perspective.

Required Clerkships: Third and Fourth Years – 48 weeks

	Weeks
FCM 651—Clerkship	6
IMED 651—Clerkship	12
MED 651—Clinical Reasoning in Medicine*	
OBGY 651—Clerkship.....	6
PCHY 651—Clerkship.....	6
PEDI 651—Clerkship.....	6
SURG 651C—Clerkship.....	12

*Longitudinal for fall or spring semester.

Additional Required Clinical Courses: Fourth Year – 36 weeks

	Weeks
MED 608—Advanced Clinical Experience in Rural Health Care.....	4
Electives/Selectives.....	32

Fourth-year medical school students choose a number of elective and selective courses, both in Nevada and out of state, to develop depth and breadth in their clinical training. The choices are based on their interests, potential strengths and desire to enhance clinical skills.

Students also spend a required four-week rotation with a rural Nevada physician in order to become acquainted with the practice of medicine in a small community.

Requirements for Entrance

Students must submit their applications through the American Medical College Application Services (AMCAS), the centralized application service of the Association of American Medical Colleges (AAMC). Applications may be accessed on-line at www.AAMC.org. The earliest filing of an AMCAS application for the University of Nevada School of Medicine is June 1 and the latest is November 1.

The Medical College Admission Test (MCAT) is required of all applicants. Beginning in January 2007, the exam will be offered 22 times per year. Registration packets for the MCAT may be obtained from the Testing Services Office. The MCAT must be taken within three years of the application deadline of November 1.

Applicants are encouraged to have a broad educational background and to enroll in an in-depth course curriculum that will lead to a discipline-oriented major, e.g., biology, English, psychology. However, no specific major is favored over any other. In addition to academic course work, people-oriented activities and healthcare exposure are important. A minimum of 90 semester hours is required for admission to the medical school; however, completion of a bachelor's degree is strongly recommended. The School of Medicine does require specific courses as a prerequisite for admission.

Minimum course requirements include:

	Credits
General Chemistry.....	8
Organic Chemistry.....	8
Biology*.....	12
*Must include three hours of upper-division credit.	
Physics.....	8
Behavioral Sciences**.....	6
**Must include three hours of upper-division credit. The behavioral science courses must deal with the psychological stages of the life cycle (i.e., human growth and development,	

adolescence, aging, human sexuality, abnormal psychology, family dynamic or medically oriented sociology).

NOTE: A proposed change in the course requirements has been made for the application cycle 2011. Please check with the School of Medicine, Office of Admissions and Student Affairs for most current information.

Supplementary courses strongly recommended as useful to the study or practice of medicine but *not required* for admission include: microbiology, genetics, biochemistry, immunology, statistics, and mathematics through introductory calculus.

Students are required to demonstrate competency in English composition and language. Generally, students are expected to satisfy the English composition requirements of their undergraduate institution.

Accepted students are responsible for completing all prerequisite course work prior to matriculation. All required courses must be taken for a letter grade and in a classroom setting. Students will not be allowed to use credit by examination (including high school AP courses), satisfactory/unsatisfactory (S/U) grades, pass/fail (P/F) grades, or audit grades in lieu of a letter grade for required courses. Correspondence, on-line/Internet, or graduate courses are not acceptable for required courses.

Early submission of the AMCAS application permits its prompt evaluation during the process. Therefore, applicants are urged to submit their applications and supporting credentials as early as possible.

Selection Factors

Candidates are evaluated on the basis of academic performance; performance on the MCAT; the nature, breadth and depth of their scholarly, extracurricular and healthcare related activities during college years; their balanced knowledge of the natural sciences, social sciences and humanities; academic letters of evaluation; and personal interview, if requested by the Admissions Selection Committee.

Legal residents of Nevada are given the highest priority for admission. A small number of out-of-state applicants who have a strong residential connection to Nevada or who are from a northern California county bordering on Nevada are considered each year. Residents of Alaska, Idaho, Montana or Wyoming, all rural, Western

states without medical schools, are also considered. Individuals who do not meet these residential requirements are discouraged from applying to the University of Nevada School of Medicine. For more specific residency information, contact the School of Medicine's Office of Admissions and Student Affairs. Those students who are not U.S. citizens must have permanent resident visas and be Nevada residents to be considered for admission.

Science majors who are accepted to medical school but have not completed their required coursework toward graduation may be eligible to receive credit toward an undergraduate degree while completing the first two years of basic science work in medical school. Prior approval from the undergraduate major and the medical school is required.

Matriculants for the 2009 entering year had the following profile: undergraduate major, 85% in the sciences including premedical majors; mean age, 24; gender—53% female; mean science GPA-3.53; mean total GPA-3.6; mean MCAT scores-VR-9.4, PS-9.9, BS-10.5.

The University of Nevada School of Medicine does not discriminate against faculty, students and staff on the basis of race, color; religion, sex; age, creed, national origin, veteran status, physical or mental disability; or sexual orientation, in any program or activity it operates.

Additional information can be found on our website at <http://www.medicine.nevada.edu/dept/asa/default.asp> .