Program
BS in Health Science
Options in:
   - Gerontology
   - Health Education
   - Health Services Administration
Minor in Gerontology
Minor in Health Science
Minor in Health Services Administration
Certificate in Emergency Medical Services Administration
Certificate in Gerontology
Single Subject Teaching Credential in Health Science

The **BS in Health Science** provides students with a broad-based curriculum to pursue many career paths in the health field. Three options are available:

The **Option in Gerontology** prepares students to work with the aging population. The option is designed to play a part in meeting the health-related needs and challenges of the fastest growing segment of the American population: older adults. Gerontology professionals are needed in senior centers, health and social service agencies, assisted living communities, nutrition and recreation programs, adult day-care centers, and long-term care settings.

The **Option in Health Education** prepares students for entry level positions as health educators in community organizations, medical service settings, school systems, and businesses. Health educators assist people in taking responsibility for learning about healthy behaviors or behaviors that help them become healthier. Students learn to assess needs, plan, implement, and evaluate health education programs, coordinate health education services, serve as a resource person and advocate for health education needs and concerns. Those meeting the requirements of the degree and option are qualified to apply to take the test for national credentialing as a Certified Health Education Specialist (CHES). The Health Education Program has been approved by the Society for Public Health Education/association for the Advancement of Health Education Baccalaureate Program Approval Committee (SBPAC).

The **Option in Health Services Administration** qualifies graduates for a range of entry-level positions in the health care delivery system, such as department manager in a hospital, director of a convalescent hospital, managed care negotiator, clinic manager, or administrator of a public health program. The curriculum addresses the business skills related to operation of healthcare organizations as well as the organization of the healthcare system. The Health Services Administration program (HSA) is a full certified undergraduate member of the Association of University Programs in Health Administration (AUPHA), the national accrediting body for HSA educational programs.

The **Minor in Gerontology** provides an interdisciplinary background in aging. The minor gives the undergraduate an opportunity to learn about the major aging-related issues that can be applied to their major field of study. The courses also provides insight into the problems and opportunities associated with growing old.

The **Minor in Health Science** provides a concentration of courses in the health field which can be a useful adjunct for students in psychology, sociology, social work, recreation, physical education, child development, and nutrition.

The **Minor in Health Services Administration** enables students to expand career potential by the acquisition of knowledge in the health care management field. The minor is especially suited for students in business, economics, public administration, public relations, nursing, psychology, and sociology.

The **Certificate in Emergency Medical Services (EMS) Administration** combines knowledge of health administration and the healthcare system with specialized courses in EMS organizations and EMS systems. Career opportunities include EMS provider organizations and EMS coordinating/regulatory agencies.

The **Certificate in Gerontology** consists of an interdisciplinary cluster of courses required for the minor in gerontology with an added internship to enable students to develop skills to effectively work with older people in a variety of settings. The certificate prepares individuals in social work, recreation, nursing, psychology, sociology, nutrition, and other helping professions to work with older adults.

The **Single Subject Teaching Credential Waiver in Health Science** allows students to fulfill credential requirements while obtaining a degree. Students who want to apply to a credential program should choose the Option in Health Education.

Career Outlook
The health care system is the nation’s second largest employer. The demand for health-related professionals is increasing due to 1) a growing number of elders who require more services; 2) advances in medical technology; 3) the entrance of private industry in the health care delivery system; and 4) expansion of health promotion programs.
The Bachelor of Science in Health Science

Total Course Requirements for the Bachelor's Degree: 120 units
See “Requirements for the Bachelor’s Degree” in the University Catalog for complete details on general degree requirements. A minimum of 40 units, including those required for the major, must be upper division.

A suggested Major Academic Plan (MAP) has been prepared to help students meet all graduation requirements within four years. Please request a plan from your major advisor or view it and other current advising information on the CSU, Chico Web.

General Education Requirements: 48 units
See “General Education Requirements” in the University Catalog and the Class Schedule for the most current information on General Education Requirements and course offerings. The course requirements marked below with an asterisk (*) may also be applied toward General Education.

Cultural Diversity Course Requirements: 6 units
See “Cultural Diversity” in the University Catalog. Most courses taken to satisfy these requirements may also apply to General Education.

American Institutions Requirement: 6 units
See the “American Institutions Requirement” under “Bachelor’s Degree Requirements.” This requirement is normally fulfilled by completing HIST 130 and POLS 155. Courses used to satisfy this requirement do not apply to General Education.

Literacy Requirement:
See “Mathematics and Writing Requirements” in the University Catalog. Writing proficiency in the major is a graduation requirement and may be demonstrated through satisfactory completion of a course in your major which has been designated as the Writing Proficiency (WP) course for the semester in which you take the course. Students who earn below a C– are required to repeat the course and earn a C– or better to receive WP credit. See the Class Schedule for the designated WP courses for each semester.

You must pass ENGL 130 (or its equivalent) with a C– or better before you register for a WP course.

Course Requirements for the Major: 63–66 units
The following courses, or their approved transfer equivalents, are required of all candidates for this degree. Additional required courses, depending upon the selected option or advising pattern, are outlined following the degree core program requirements.

Note: A maximum of 15 units of internship (courses numbered 189, 289, 389, 489) may be applied to a bachelor's degree at CSU, Chico.

Major Core Program: 24 units

8 courses required:
HCSV 321 Community Health 3.0 FS
HCSV 328 Multicultural Health 3.0 FS Eth
This course is also offered as MCGS 328.
HCSV 330 Mgmt Prin Hlth Sys 3.0 FS
HCSV 425 Research & Eval in Health 3.0 FA WP
Prerequisites: ENGL 130 (or its equivalent) with a grade of C– or higher, MATH 105; HCSV 260 or equivalent.
HCSV 431 The Healthcare Delivery System 3.0 FA
HCSV 489 Internship 3.0–11.0 FA
Prerequisites: Concurrent enrollment in HCSV 490, senior standing, minimum 2.0 GPA in the major at CSU, Chico, faculty permission.
A minimum of 5 units of HCSV 489 is required for all options.
HCSV 490 Internship Seminar 1.0 FS
Prerequisites: Concurrent enrollment in HCSV 489.
MATH 105 Statistics 3.0 FS *
Prerequisites: Completion of ELM requirement.

Major Option Course Requirements: 39–42 units
The following courses, or their approved transfer equivalents, are required depending upon the option chosen. Students must select one of the following options for completion of the major course requirements.

The Option in Gerontology: 40 units

12 courses required:
BIOL 104 Human Physiology 4.0 FS *
HCSV 260 Computer Apps in Health Educ 3.0 FS
HCSV 320 Chronic/Communicable Diseases 3.0 SP
Prerequisites: BIOL 104 is strongly recommended.
HCSV 369 Health Ed and Communication 3.0 SP
Prerequisites: HCSV 260 or equivalent, HCSV 320; HCSV 321 recommended.
HCSV 443 Social Gerontology 3.0 SP
Prerequisites: MATH 105. Recommended: HCSV 320.
HCSV 463 Epidemiology 3.0 FA
Prerequisites: HCSV 320; HCSV 467 Mental and Emotional Health 3.0 FA
Prerequisites: HCSV 321 or faculty permission.
HCSV 541 Health in the Later Years 3.0 FA
Prerequisites: HCSV 321 or faculty permission.

HCSV 467 Mental and Emotional Health 3.0 FA
Prerequisites: HCSV 320 or faculty permission.
HCSV 530 Hlth Svcs Admin Capstone Sem 3.0 SP
Prerequisites: HCSV 431.
This course is also offered as ICON 352.
HCSV 530 Hlth Svcs Admin Capstone Sem 3.0 SP
Prerequisites: HCSV 431.
HCSV 530 Hlth Svcs Admin Capstone Sem 3.0 SP
Prerequisites: HCSV 431.
HCSV 541 Health in the Later Years 3.0 FA
HCSV 541 Health in the Later Years 3.0 FA
HCSV 541 Health in the Later Years 3.0 FA
HCSV 443 Social Gerontology 3.0 Inq
Prerequisites: HCSV 330 or equivalent or faculty permission.
HCSV 439 Admin EMS Organizations 3.0 Inq
Prerequisites: HCSV 330 or equivalent or faculty permission.
HCSV 541 Health in the Later Years 3.0 FA
HCSV 579 Grant Wrtrg/Other Fundraising 3.0 FS
MINS 301 Corporate Tech Integration 3.0 FS

Electives Requirement:
To complete the total units required for the bachelor's degree, select additional elective courses from the total University offerings. You should consult with an advisor regarding the selection of courses which will provide breadth to your University experience and possibly apply to a supportive second major or minor.

Grading Requirement:
All courses taken to fulfill major course requirements must be taken for a letter grade except those courses specified by the department as Credit/No Credit grading only.

The BS in Health Science signifies readiness for an entry-level career as a health educator or health services administrator. Three courses from each option have been designated as competency courses and are vital to what a professional in this field should know and be able to do. Students who earn a C– or better for the course to count in the major. For the Gerontology Option, the courses are HCSV 320, HCSV 471, and HCSV 541; for the Health Education Option, the courses are HCSV 320, HCSV 369, and HCSV 471; for the Health Services Administration Option, the courses are HCSV 330, HCSV 431, and HCSV 530.

Advising Requirement:
Advising is mandatory for all majors in this degree program. Consult your undergraduate advisor for specific information.

Honors in the Major

Honors in the Major is a program of independent work in your major. It involves six units of honors course work completed over two semesters. The Honors in the Major program allows you to work closely with a faculty mentor in your area of interest on an original performance or research project. This year-long collaboration allows you to work in your field at a professional level and culminates in a public presentation of your work. Students sometimes take their projects beyond the University for submission in professional journals, presentation at conferences, or competition in shows. Such experience is valuable for graduate school and later professional life. Your Honors work will be recognized at your graduation, on your permanent transcript, and on your diploma. It is often accompanied by letters of commendation from your mentor in the department or the department chair.

Some common features of Honors in the Major program are:

1. You must take 6 units of Honors in the Major course work. At least 3 of these units are independent study (399, 499H) as specified by your department. You must complete each class with a minimum grade of B.
2. You must have completed 9 units of upper-division course work in the major before you can be admitted to Honors in the Major. Check the requirements for your major carefully, as there may be specific courses that must be included in these units.
3. Your cumulative GPA should be at least 3.5 or within the top 5% of majors in your department.
4. Your GPA in your major should be at least 3.5 or within the top 5% of majors in your department.
5. Most students apply for or are invited to participate in Honors in the Major during the second semester of their junior year. Then they complete the 6 units of course work over the two semesters of their senior year.
6. Your honors work culminates with a public presentation of your honors project.

While Honors in the Major is part of the Honors Program, each department administers its own program. Please consult your major department or major advisor to apply.

The Minor in Gerontology

Course Requirements for the Minor: 18 units

The following courses, or their approved transfer equivalents, are required of all candidates for this minor.

5 courses required:
HCSV 328 Multicultural Health 3.0 FS Eth
This course is also offered as MCGS 328.
HCSV 443 Social Gerontology 3.0 SP
HCSV 541 Health in the Later Years 3.0 FA

5 courses required:
HCSV 265 Human Sexuality 3.0 FS *
HCSV 321 Community Health 3.0 FS
HCSV 362 Environmental Health 3.0 FS
HCSV 370 Drugs in Our Society 3.0 FS *
NSCS 303 Nutrition/Physical Fitness 3.0 FS *
Prerequisites: One lower-division course in biological sciences.

2 courses selected from:

Biol 104 Human Physiology 4.0 FS *
HCSV 160 Personal Health 3.0 FS *
HCSV 320 Chronic/Communicable Diseases 3.0 SP
Prerequisites: BIOL 104 is strongly recommended.
HCSV 323 Consumer Health 3.0 FS *
HCSV 328 Multicultural Health 3.0 FS Eth
This course is also offered as MCGS 328.
HCSV 361 Child Health 3.0 FS *
HCSV 365 Complementary & Alt Medicine 3.0 SP
HCSV 366 Women's Health 3.0 FS *
This course is also offered as NURS 365, and WMST 365.
HCSV 450 Hlth Ed for Elem School Tchrs 3.0 FS
HCSV 451 Hlth Ed for Secondary Tchrs 3.0 FS
HCSV 462 School Health Programs 3.0 FS
Prerequisites: HCSV 369 recommended.
HCSV 467 Mental and Emotional Health 3.0 FA
HCSV 541 Health in the Later Years 3.0 FA
KINE 323 Physiology of Exercise 4.0 FS
Prerequisites: BIOL 104

For those seeking a Supplemental Authorization in Health Science (grades 9–12), HCSV 370 or HCSV 470, HCSV 265 or HCSV 465, HCSV 462, and an upper-division nutrition course (e.g., NSCS 303) are the requirements. See the Health Science advisor for details.

The Minor in Health Services Administration

Course Requirements for the Minor: 21 units

The following courses, or their approved transfer equivalents, are required of all candidates for this minor.

5 courses required:
ACCT 201 Intro to Financial Accounting 3.0 FS
HCSV 330 Mgmt Prin Hlth Svcs 3.0 FS
HCSV 430 Mgmt of Hlth Services Organiz 3.0 FA
Prerequisites: ACCT 201 and HCSV 330 or permission of instructor.
HCSV 431 The Healthcare Delivery System 3.0 FA
MGMT 304 Human Resource Management 3.0 FS

5 courses required:
HCSV 333 Medical Economics 3.0 FS *
This course is also offered as ECON 332.
HCSV 433 Fin Mgmt of Healthcare Org 3.0 FA
Prerequisites: ACCT 201, ACCT 202, MATH 105.
HCSV 435 Health Care Policy & Politics 3.0 SP
Prerequisites: HCSV 431.
This course is also offered as POLS 405.
HCSV 438 EMS System Planning 3.0 Inq
Prerequisites: HCSV 431 or equivalent or faculty permission.
HCSV 439 Admin EMS Organizations 3.0 Inq
HCSV 541 Health in the Later Years 3.0 FA
HCSV 579 Grant Wrtrg/Other Fundraising 3.0 FS
MGMT 300 Communication in Business 3.0 FS WP
Prerequisites: ENGL 130 (or its equivalent) with a grade of C– or higher.
MKTG 305 Survey of Marketing 3.0 FS
POLS 460B Public Personnel Administr 3.0 FS
Prerequisites: POLS 460A or concurrent enrollment.
POLS 460D Collective Bargaining 3.0 JA
Prerequisites: Faculty permission.
The Certificate in Emergency Medical Services Administration

The Certificate in Emergency Medical Services Administration consists of a cluster of required courses which include generalist knowledge regarding health services administration and the health care delivery system and specialized courses in emergency medical services organizations and the EMS system. The certificate can provide a specialty for health services administration majors or specialized knowledge and skills to those already working in EMS. The certificate will expand career opportunities with public and private ambulance services and EMS coordinating and regulatory agencies.

A student enrolled in the Emergency Medical Services Administration Certificate program must be accepted for University admission and must complete the required course work as outlined below. It is not necessary to complete the requirements for a bachelor's degree in order to receive the Certificate in Emergency Medical Services Administration. However, the courses completed for the certicate may be applied to the BS in Health Science: Health Services Administration. An overall grade point average of 2.5 is required for the certificate.

Course Requirements for the Certificate: 24 units

The following courses, or their approved transfer equivalents, are required of all candidates for this certificate.

6 courses required:

- ACCT 201 Intro to Financial Accounting 3.0 FS
- HCSV 330 Health Prin Hlth Svcs 3.0 FS
- HCSV 431 The Healthcare Delivery System 3.0 FA
- HCSV 438 EMS System Planning 3.0 Inq
- Prerequisites: HCSV 431 or equivalent or faculty permission.
- HCSV 439 Admin EMS Organizations 3.0 Inq
- Prerequisites: HCSV 430 or equivalent or faculty permission.

The Certificate in Gerontology

A student enrolled in the Gerontology Certificate Program must be accepted for University admission and must complete the required course work as outlined below. It is not necessary to complete the requirements for a bachelor's degree in order to receive the Certificate in Gerontology. With the permission of the certificate advisor, students may substitute an internship for one of the following courses. The Certificate program must be accepted for University admission and must complete the required course work as outlined below. It is not necessary to complete the requirements for a bachelor's degree in order to receive the Certificate in Gerontology. The certificate in Gerontology is designed to develop expertise in the aging process.

Course Requirements for the Certificate: 21 units

The following courses, or their approved transfer equivalents, are required of all candidates for this certificate.

7 courses required:

- HCSV 328 Multicultural Health 3.0 FS Eth
  This course is also offered as MCCGS 128.
- HCSV 389 Community Service: Supervision 1.0–3.0 FS
  Prerequisites: Faculty permission.
- HCSV 389 must be taken for 3 units.
- HCSV 443 Social Gerontology 3.0 SP
- HCSV 541 Health in the Later Years 3.0 FA
- PSYC 354 Psychology of Aging 3.0 FA
- REC 360 Therapeutic Recr Older Adults 3.0 FS
  Prerequisites: Concurrent enrollment in or prior completion of REC 200, or faculty permission.
- SWRK 474 Policy/Progs for Older Adults 3.0 SP

Appropriate course substitutions of equivalents or waivers may be granted by the Gerontology program advisor. Please consult the advisor regarding specifics.

The Single Subject Matter Preparation Program in Health Science

Course requirements for the Single Subject Matter Preparation Program, 63–64 units, in conjunction with the Professional Education Program, leads to a Single Subject Teaching Credential.

In most majors, candidates for this credential will normally fulfill the single subject matter preparation program by completing the appropriate education option in the major. Any exceptions to this procedure are noted at the end of this section. In addition to the single subject matter preparation program, completion of an additional professional education program is required to qualify for a California teaching credential. Professional education (credential) programs are available through the School of Education. For prerequisites and other admission requirements to professional education programs, see the “Education” chapter of this catalog.

Your departmental credential advisor is responsible for verifying that the subject matter preparation program has been completed. If you are interested in obtaining a teaching credential, confer with the appropriate credential advisor early in your University career. Department credential advisors can assist you in planning an educational program that meets both major and credential requirements.

Subject matter preparation requirements are governed by federal and state legislative action and approval of the California Commission on Teacher Credentialing. Requirements may change between catalogs. Please consult with your departmental credential advisor for current information.

Students seeking the Subject Matter Competence in Health Science for entrance into any teacher credential program in California must complete the BS in Health Science, Option in Health Education (described above), along with a professional education program. They must also complete BIOL 103, CHEM 100, and PSY 101. Students who have a bachelor's degree in another discipline and are seeking Subject Matter Competence in Health Science for entrance into the CSU, Chico credentialing program must earn a passing score on the SSAT in health science.

The Faculty

Peter L. Cruise, 2000, Assoc Professor, PhD, Florida Atlantic U.
Lyndall A. Ellingson, 1996, Assoc Professor, PhD, Indiana U.
Diana Flannery, 1991, Professor, PhD, Pennsylvania State U.
Jeanne M. Freeman, 2004, Assist Professor, PhD, U Arkansas.
Roland J. Lamarine, 1987, Professor, HSD, Indiana U.
Richard A. Narod, 1990, Professor, DPA, USC.
Holly C. Nevarez, 2006, Assist Professor, PhD, Oregon State U.
Mary P. Portis, 1989, Professor, DrPH, Loma Linda U.
Mark Tomita, 2002, Assoc Professor, PhD, New York U.

Emeritus Faculty

Armeda F. Ferrini, 1977, Chair, Professor Emerita, PhD, U Utah.
M Virginia Frazier, 1972, Professor Emerita, PhD, U Maryland.
Rosalind Reed, 1977, Professor Emerita, PhD, Oregon State U.

Health and Community Services

Course Offerings

Please see the section on “Course Description Symbols and Terms” in the University Catalog for an explanation of course description terminology and symbols, the course numbering system, and course credit units. All courses are lecture and discussion and employ letter grading unless otherwise stated. Some prerequisites may be waived with faculty permission. Many syllabi are available on the Chico Web.

HCSV 160 Personal Health 3.0 Fa/Spr

Explores major issues regarding behavior conducive to optimal health throughout the life course. Topics covered include, but are not limited to, substance use and abuse, fitness, diet, sexuality, stress, and disease risk reduction. This is an approved General Education course.

HCSV 161 Emergency Care and Personal Safety 3.0 Inq

Develops decision-making and action skills to deal with common medical emergencies. Meets EMS first responder guidelines for public safety personnel. Certification in first aid and CPR. Also addresses EMS system orientation, basic triage, obstetrical emergency, auto and water extrication. 3.0 hours clinical.

The Health Science Program in Health Education and Community Services offers a comprehensive curriculum designed for students interested in pursuing careers in health services administration, emergency medical services, public health, and related fields.

Many courses in the Health Science program are available on any of the participating campuses. Please consult the University Catalog for a complete list of courses and prerequisites.

The faculty in the Health Science program includes experienced professionals with diverse backgrounds in health services administration, emergency medical services, public health, and related fields. Faculty members are dedicated to providing a high-quality educational experience for students.

The Health Science program is committed to preparing students for successful careers in health services administration, emergency medical services, public health, and related fields. The program offers a broad range of courses designed to provide students with the knowledge and skills necessary to succeed in these fields.

For more information about the Health Science program, please visit the Chico Web or contact the Health Science Program Director.
HCSV 189 Community Services: Field Experience 1.0–3.0 Fa/Spr
Prerequisites: Faculty permission.
This course, a field experience offered for 1.0–3.0 units. You must register directly with a supervising faculty member. Provides experience as a volunteer in a campus or community service agency. To receive credit for each unit you must put in a minimum of three hours per week of volunteer activity. You may take this course more than once for a maximum of 15.0 units. Credit/no credit grading only.

HCSV 198 Special Topics 1.0–3.0 Fa/Spr
This course is for special topics offered for 1.0–3.0 units. Typically the topic is offered on a one-time-only basis and may vary from term to term and be different for different sections. See the Class Schedule for the specific topic being offered.

HCSV 260 Computer Applications in Health Education 3.0 Fa/Spr
An introduction to computer software applications used in health education. Students have hands-on experience developing electronic resources for publishing health education CD-ROMs and Web sites. Skills learned may also be used for desktop publishing. Other topics addressed include digital photography, video, scanning, graphic design, archiving, professional presentations, academic databases, and evaluating electronic resources.

HCSV 265 Human Sexuality 3.0 Fa/Spr
Overview of human sexuality, including psychosexual development, gender roles, reproductive system, pregnancy and childbirth, contraception, abortion, sexually transmitted diseases including HIV/AIDS, relationships, sexual orientation, sex and the law, sexually explicit materials, and sexual dysfunction. This is an approved General Education course.

HCSV 320 Chronic and Communicable Diseases 3.0 Spring
Prerequisites: BIOC 104 is strongly recommended.
Examines the major chronic and communicable diseases, including cause, prevention, and treatment strategies. Behaviors that promote health and reduce premature death and disease are also addressed.

HCSV 321 Community Health 3.0 Fa/Spr
Analysis of fundamental principles upon which school, community, and population health are based. The contributions of federal, state, and local organizations to national goals for health promotion and disease prevention are examined. Explores fundamental social, political, organizational, and behavioral aspects of public health in school, community, and worksite settings.

HCSV 323 International Health 3.0 Inquire
Analysis of historical and current health problems in the world: population dynamics, vital statistics, global disease patterns, and variations among nations and cultures. Examination of contributing social, psychological, physical, governmental, and cultural factors affecting disease. Efforts toward health promotion and disease prevention, including international programs.

HCSV 325 Consumer Health 3.0 Fa/Spr
Examination of major health care consumer issues from historical and contemporary perspectives. Discussion of cost, availability, and quality of health care and their relationship to political and economic activities. Identification of national, regional, and local health trends affecting consumers. Analysis of individual and collective consumer strategies. This is an approved General Education course.

HCSV 328 Multicultural Health 3.0 Fa/Spr
Ethnic groups in the U.S. face many health problems. This course will focus on those problems which affect the four largest ethnic groups in the U.S.: African Americans, Hispanic Americans, American Indians, and Asian Americans. The effects of history, health beliefs and practices, and socioeconomic status on the health of these ethnic populations will be addressed. Current and potential strategies to improve health care delivery to these groups will be explored. This is an approved Ethnic course. This course is also offered as MCCS 328.

HCSV 330 Management Principles in Health Services 3.0 Fa/Spr
Provides knowledge and skills to administer health organizations and programs. Concepts of planning, organizational behavior, and management applicable to the administration of health organizations and programs are addressed. Major approaches to management, motivation, leadership, decision making, supervision, and budgeting are presented.

HCSV 332 Laws, Ethics, and Regulations in Health Services 3.0 Spring
Study of specific areas of law, ethics, and regulations in health care. Examination of legal and ethical issues of licensing, health insurance, managed care, funding mechanisms, medical negligence and malpractice, informed consent, health care records, and patient and family rights.

HCSV 333 Medical Economics 3.0 Fa/Spr
An examination of the health care industry and its role in fulfilling national health care needs. Topics include national health insurance, health financing, and resource allocation. (Course will not count as upper-division credit toward completion of the economics major.) This is an approved General Education course. This course is also offered as ECON 352.

HCSV 362 Environmental Health 3.0 Fa/Spr
An overview of the relationship of people and nature; the impact of environmental conditions, such as water and air pollution, solid wastes, food contamination, vectors, radiation, noise, light, which cause deleterious effects on people's physical, mental, and social well-being. Individual and collective consumer intervention in environmental health problems.

HCSV 363 Child Health 3.0 Fa/Spr
An examination of the status, needs, and trends in the health of America's children, including selected racial/ethnic groups. The course includes an overview of physical growth and development from the prenatal period to early adolescence; discussion of common health problems, causes, symptoms, treatment, and prevention; and addresses selected health issues such as diet, physical activity, stress, violence, drugs, sexuality, and environmental risks. An overview of current and potential health services and prevention programs for children is included. This is an approved General Education course.

HCSV 364 Cancer: The Human Dimension 3.0 Inquire
This course provides basic information about cancer epidemiology, etiology, early detection, and prevention. Major emphasis upon social, psychological, economic, political, educational, and ethical aspects of cancer.

HCSV 365 Complementary and Alternative Medicine 3.0 Spring
Explore diverse medical and health care systems, practices, and products that are not presently considered to be a part of conventional medicine. Major categories include alternative medical systems, mind-body interventions, biologically-based therapies, manipulative and body-based methods, and energy therapies. Learn how to use the scientific method to review the literature and to evaluate information.

HCSV 366 Drugs in American Film 3.0 Inquire
This course explores the popular representation of drugs in American film. It compares the film portrayal of selected illicit drugs with accurate information regarding their history, prevalence, acute and chronic effects, and treatment strategies. The course explores the use and misuse of drugs in the larger political, social, and economic context.

HCSV 368 Women's Health 3.0 Fa/Spr
Analysis of health issues which concern women throughout the life course. The impact of physiology, psychology, culture, and politics upon women's well-being will be addressed using the feminist perspective. This is an approved General Education course. This course is also offered as NURS 368, and WMST 368.

HCSV 369 Health Education and Communication 3.0 Spring
Prerequisites: HCSV 260 or equivalent, HCSV 320; HCSV 321 recommended.
An introduction to social marketing, health behaviors, and mass communication models to inform, influence, and motivate audiences to change health behaviors. Students develop programs to support individual and collective action in a variety of settings and populations. 2.0 hours lecture, 2.0 hours activity.

HCSV 370 Drugs in Our Society 3.0 Fa/Spr
An overview of the use and abuse of alcohol, prescription and street drugs, and their personal and societal consequences on the young adult, the family, and society. Historical perspectives, legal issues, and decision-making skills regarding drug use will also be addressed. This is an approved General Education course.

HCSV 389 Community Services: Supervision 1.0–3.0 Fa/Spr
Prerequisites: Faculty permission.
This course is an internship offered for 1.0–3.0 units. You must register directly with a supervising faculty member. Provides experience in a supervisory role in a campus or community service agency. Each unit of credit requires a minimum of three hours a week supervisory experience and seminar participation. You may take this course more than once for a maximum of 15.0 units. Credit/no credit grading only.

HCSV 398 Special Topics 1.0–3.0 Fa/Spr
This course is a special topic offered for 1.0–3.0 units. You must register directly with a supervising faculty member.
HCSV 399 Special Problems 1.0–3.0 Fa/Spr
Prerequisites: Faculty permission.
This course is an independent study of special problems offered for 1.0–3.0 units. You must register directly with a supervising faculty member. You may take this course more than once for a maximum of 6.0 units. Credit/no credit grading only.

HCSV 425 Research and Evaluation in Health 3.0 Fall
Prerequisites: ENGL 130 (or its equivalent) with a grade of C– or higher, MATH 105; HCSV 260 or equivalent.
The course introduces students to research methodology and program evaluation techniques in the health field. Students develop skills for critically reading professional literature and writing a research or program evaluation proposal. This is a writing proficiency, WP, course; a grade of C– or better certifies writing proficiency for majors.

HCSV 425H Research and Evaluation in Health—Honors 3.0 Fall
Prerequisites: ENGL 130 (or its equivalent) with a grade of C– or higher, MATH 105; HCSV 260 or equivalent; faculty permission. Open to Health Science majors with 3.5 or higher GPA.
The course introduces students to research methodology and program evaluation techniques in the health field. Students develop skills for critically reading professional literature and writing a research or program evaluation proposal. Students also begin work on an Honors in the Major project. This is a writing proficiency, WP, course; a grade of C– or better certifies writing proficiency for majors.

HCSV 430 Management of Health Services Organizations 3.0 Fall
Prerequisites: ACCT 201 and HCSV 330 or permission of instructor.
Examines the internal operations of health services organizations (e.g., ambulatory care, long-term care, managed care), and applies management principles including marketing, financing, legal issues, personnel issues, and quality management.

HCSV 430H Management of Health Services Organizations—Honors 3.0 Fall
Prerequisites: ACCT 201 or HCSV 330. Instructor permission required. Open to Health Science majors with a GPA of 3.5 or higher.
Examines the internal operations of health services organizations (e.g., ambulatory care, long-term care, managed care) and applies management principles including marketing, financing, legal issues, personnel issues, and quality management. Initiation of an honors project is required; the project must be completed in HCSV 499H.

HCSV 431 The Healthcare Delivery System 3.0 Fall
Provides an overview of the U.S. healthcare delivery system from historical, organizational, financial, and administrative perspectives. Analyzes current health issues, such as cost, access, and quality of care.

HCSV 432 Comparative Health Systems 3.0 Fall
Prerequisites: ACCT 202 and 300. Instructor permission required. Open to Health Science majors with a GPA of 3.5 or higher.
Exploration of health services delivery in selected industrialized and developing countries. Analysis of the impact of delivery styles, financing, manpower, quality assurance, technology, and government intervention upon the health of its consumers.

HCSV 433 Financial Management of Healthcare Organizations 3.0 Fall
Prerequisites: ACCT 201, ACCT 202, MATH 105.
This course provides an understanding of the process of making asset choices for the provision of health care, stewarding the assets particular to healthcare organizations (both for-profit and not-for-profit), and obtaining funds to pay for healthcare-specific assets. Includes traditional techniques of finance, but focuses on the state of the art in the theory and practice of healthcare financial management, including agency theory, valuation, capitalized contract analysis, and endowment management.

HCSV 435 Healthcare Policy and Politics 3.0 Spring
Prerequisites: HCSV 431.
An analysis of the political forces, both private and public, which impact upon the health industry in the United States. Focusing on problems related to the delivery of healthcare, the course will cover such issues as availability, accessibility, appropriateness, acceptance, accountability, and alternatives. This course is also offered as POLS 405.

HCSV 438 Emergency Medical Services System Planning 3.0 Inquire
Prerequisites: HCSV 431 or equivalent or faculty permission.
This course will examine the emergency medical services (EMS) system as a vital component of the health care delivery system. Course work will focus on administration and planning of EMS systems.

HCSV 439 Administration of EMS Organizations 3.0 Inquire
Prerequisites: HCSV 330 or equivalent or faculty permission.
This course will apply management principles including marketing, financing, personnel issues, and quality management to organizations within the emergency medical services system (e.g., ambulance services, trauma centers).

HCSV 443 Social Gerontology 3.0 Spring
Studies the changes people face as they age in modern society, as individual social beings and as members of a larger society; how social change (economic, political, technological) affects older people in their aging patterns; emphasis is on the social aspects of problems and prospects for America’s elders.

HCSV 450 Health Education for Elementary School Teachers 3.0 Fa/Spr
Addresses major health issues affecting the child, including, but not limited to, health promotion and disease prevention, nutrition, substance use and abuse, and sexuality. Overview of health instruction framework for California public schools. State health education requirements for a preliminary teaching credential.

HCSV 451 Health Education for Secondary School Teachers 3.0 Fa/Spr
Addresses major health issues affecting the adolescent, including, but not limited to, health promotion and disease prevention, nutrition, substance use and abuse, and sexuality, and the state health education requirement for a preliminary teaching credential.

HCSV 452 School Health Programs 3.0 Fa/Spr
Prerequisites: HCSV 369 recommended.
Philosophical framework, organization, administration, and legal aspects of the school health program. Development of prevention and intervention strategies for major health problems affecting K–12 students, with emphasis on cultural sensitivity, at-risk youth, and community/school partnerships.

HCSV 453 Epidemiology 3.0 Fall
Prerequisites: MATH 105. Recommended: HCSV 120.
An examination of social marketing, health behavior, and mass communication models to inform, influence, and motivate audiences to change health behavior. Students learn about health communication programs that reinforce health knowledge, attitudes, and behavior, and those that market health services. Students develop a local health communication program to support individual or collective action.

HCSV 454 Health Communication Programming 3.0 Inquire
Prerequisites: HCSV 260, HCSV 321.
An examination of social marketing, health behavior, and mass communication models to inform, influence, and motivate audiences to change health behavior. Students learn about health communication programs that reinforce health knowledge, attitudes, and behavior, and those that market health services. Students develop a local health communication program to support individual or collective action.

HCSV 455 Sexuality Education: Concepts and Issues 3.0 Inquire
Prerequisites: BIOL 104.
Survey of issues related to human sexuality, including gender, sexual response, societal and individual value systems, sexual orientation, cross-cultural comparisons, reproduction, and disease prevention. Analysis of sexuality education principles, programs, national and state guidelines, and controversial issues. Exploration of personal values and skills related to sexuality education.

HCSV 456 Mental and Emotional Health 3.0 Fall
Prerequisites: BIOL 104.
Examination of nature and factors affecting mental health and positive and negative responses to problems in daily living. Discussion of types of mental disorders and public health strategies to deal with these problems.

HCSV 457 Occupational Health and Safety 3.0 Inquire
Prerequisites: MATH 105. Recommended: HCSV 120.
An examination of social marketing, health behavior, and mass communication models to inform, influence, and motivate audiences to change health behavior. Students learn about health communication programs that reinforce health knowledge, attitudes, and behavior, and those that market health services. Students develop a local health communication program to support individual or collective action.

HCSV 458 Sexual and Physical Health 3.0 Inquire
Prerequisites: MATH 105. Recommended: HCSV 120.
An examination of social marketing, health behavior, and mass communication models to inform, influence, and motivate audiences to change health behavior. Students learn about health communication programs that reinforce health knowledge, attitudes, and behavior, and those that market health services. Students develop a local health communication program to support individual or collective action.
Health Science

HCSV 471  Health Education Planning: Theory and Practice  3.0 Fall
Prerequisites: HCSV 321 or faculty permission.
Examines theory and methods to facilitate individual and group behavior change to promote health and reduce risks of premature morbidity and mortality. Concepts in the behavioral sciences affecting health behavior, motivation, decision-making, and risk-taking are explored. Students will develop program planning and evaluation skills.

HCSV 472  Health of the Athlete  3.0 Inquire
Study of health behaviors that impact upon the health and performance of athletes of all ages, elementary school to adult. Topics include stress management, drug misuse and abuse, management of chronic health problems, high-performance eating, first aid and prevention of injuries, ergogenic aids, problems specific to female athletes, and health counseling techniques. Focus on skills and strategies needed to protect and promote athletes' health.

HCSV 489  Internship  3.0–11.0 Fa/Spr
Prerequisites: Concurrent enrollment in HCSV 490, senior standing, minimum 2.0 GPA in the major at CSU, Chico, faculty permission. Field practicum designed to integrate theory and practice in a community setting. Supervised by an agency representative and faculty member. Minimum internship requirement for Health Science majors is 5.0 units. You may take this course more than once for a maximum of 15.0 units. Credit/no credit grading only.

HCSV 490  Internship Seminar  1.0 Fa/Spr
Prerequisites: Concurrent enrollment in HCSV 489. Integration of previous learning with realities of professional practice in the internship placement. Credit/no credit grading only.

HCSV 498  Special Topics  1.0–4.0 Fa/Spr
This course is for special topics offered for 1.0–4.0 units. Typically the topic is offered on a one-time-only basis and may vary from term to term and be different for different sections. See the Class Schedule for the specific topic being offered.

HCSV 499H  Honors in Health and Community Services  3.0 Fa/Spr
Prerequisites: Four upper-division courses in the major, including HCSV 425. Open only by invitation to majors. The student will define a research problem, develop a research proposal, conduct the research, and submit a written report on the project. The student will refine the paper into publishable form and make a public presentation. Completion of 6 units with a B or higher certifies “Honors in the Major” on transcript.

HCSV 530  Health Services Administration Capstone Seminar  3.0 Spring
Prerequisites: HCSV 330 and HCSV 431, or faculty permission. Integration of theory and practice by examining issues and solutions to problems in the management and planning of health care services. Emphasis upon case studies and practitioner responses.

HCSV 541  Health in the Later Years  3.0 Fall
Exploration of changing health status and needs in later life. Discussion of body system changes, bio-psycho-social influences on elders’ health, health enhancement strategies, common health problems, treatment, and prevention. Also addresses drug use and abuse, sexuality, chronic illness, use of health delivery systems, including long-term care.

HCSV 579  Grant Writing and Other Fundraising Strategies  3.0 Fa/Spr
Knowledge and skill development in writing grant proposals for health and community services. Skills in researching government, foundation, and corporate funding opportunities. Diversifying nonprofit income through other fundraising strategies.

HCSV 652  Legal and Ethical Issues in Health and Human Services  3.0 Spring
A seminar providing an integrative analysis of ethical and legal forces in the environment of health and human services as they relate to health and human services organizations' behavior and management decision making. This course is also offered as POLS 652.

HCSV 663  Seminar in Health and Human Services  3.0 Fa/Spr
Survey of problems, issues, and applications of management theory to health and human service organizations. Emphasis will be on administrative problem-solving, financing, and budgeting, and marketing. This course is also offered as POLS 663.

HCSV 664  Seminar in Public Policy in Health and Human Services  3.0 Fall
A graduate seminar which focuses on initiation, formulation, implementation, and evaluation of Health and Human Services policies. An exploration of policy development, policy analysis approaches, and new policy directions. This course will focus on how to develop a policy issue paper, including how to identify values, develop alternatives, and make policy recommendations. Health and Human Services policy will be explored at the national, state, and local levels, including the public, private non-profit, and profit-making sectors. Health policies of other nations will be examined for their implications for American Health and Human Services policy. You may take this course more than once for a maximum of 6.0 units.

HCSV 665  Economic and Global Finance Issues in Health  3.0 Spring
Prerequisites: POLS 660C, POLS 664. An examination of the health care industry in relation to health financing, insurance, grants, contracting, and resource allocation as they relate to management decision making in health and human service organizations. This course is also offered as POLS 665.

HCSV 689  Internship  1.0–3.0 Inquire
Prerequisites: Faculty permission. Work in selected public and quasi-public agencies. You may take this course more than once for a maximum of 15.0 units. Credit/no credit grading only.

HCSV 697  Independent Study  1.0–3.0 Fa/Spr
Prerequisites: Faculty permission. This course is a graduate-level independent study offered for 1.0–3.0 units. You must register directly with a supervising faculty member. You may take this course more than once for a maximum of 6.0 units.

HCSV 699P  Master’s Project  1.0–3.0 Fa/Spr
Prerequisites: Faculty permission. This course is offered for 1.0–3.0 units. You must register directly with a supervising faculty member. You may take this course more than once for a maximum of 6.0 units.

HCSV 699T  Master’s Thesis  1.0–6.0 Fa/Spr
This course is offered for 1.0–6.0 units. You must register directly with a supervising faculty member. You may take this course more than once for a maximum of 6.0 units.