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 elders. 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 evaluate 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 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 Candidate Member of the Association of University Programs in Health Administration (AUPHA), the national accrediting body for HSA educational programs. The department also offers several course clusters to enhance career opportunities in the health field.

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 provide insight into the problems and opportunities associated with growing old.

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 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 continues to increase due to 1) a growing number of elders who require more services; 2) advances in medical technology; 3) the entrance of private industry into the health care delivery system; and 4) the expansion of health promotion programs.

Health and Gerontology

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Undergraduate Advisers:
Armeda Ferrini, Health Ed. & Gerontology
Richard Narad, Health Services Admin.
Mary Portis, Health Science Credential
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 48 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 adviser 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 before you may register for a WP course.

Course Requirements for the Major: 63-65 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.

DEGREE CORE PROGRAM: 21 units

7 courses required:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>HCSV 321</td>
<td>Community Health</td>
<td>3.0</td>
<td>FS</td>
</tr>
<tr>
<td>HCSV 328</td>
<td>Multicultural Health</td>
<td>3.0</td>
<td>FS</td>
</tr>
<tr>
<td>HCSV 330</td>
<td>Mgmt Prin Hlth Sys</td>
<td>3.0</td>
<td>FS</td>
</tr>
<tr>
<td>HCSV 425</td>
<td>Research &amp; Eval in Health</td>
<td>3.0</td>
<td>WP</td>
</tr>
<tr>
<td>HCSV 489</td>
<td>Internship</td>
<td>3.0-11.0</td>
<td>FS</td>
</tr>
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A minimum of 5 units of HCSV 489 is required for all options.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
<th>Type</th>
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</thead>
<tbody>
<tr>
<td>HCSV 490</td>
<td>Internship Seminar</td>
<td>1.0</td>
<td>FS</td>
</tr>
<tr>
<td>MATH 105</td>
<td>Statistics</td>
<td>3.0</td>
<td>FS</td>
</tr>
</tbody>
</table>

Major Option Course Requirements: 42-44 units

The following courses, or their approved transfer equivalents, are required dependent upon the option chosen. Students must select one of the following options for completion of the major course requirements.

THE OPTION IN GERONTOLOGY: 43 units

13 courses required:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
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</tr>
</thead>
<tbody>
<tr>
<td>BIOL 104</td>
<td>Human Physiology</td>
<td>4.0</td>
<td>FS *</td>
</tr>
<tr>
<td>HCSV 260</td>
<td>Computer Apps in Health Educ</td>
<td>3.0</td>
<td>FS</td>
</tr>
<tr>
<td>HCSV 320</td>
<td>Chronic/Communicable Diseases</td>
<td>3.0</td>
<td>FS</td>
</tr>
<tr>
<td>HCSV 431</td>
<td>The Healthcare Delivery System</td>
<td>3.0</td>
<td>FA</td>
</tr>
<tr>
<td>HCSV 443</td>
<td>Social Gerontology</td>
<td>3.0</td>
<td>FA</td>
</tr>
<tr>
<td>HCSV 463</td>
<td>Epidemiology</td>
<td>3.0</td>
<td>FS</td>
</tr>
<tr>
<td>HCSV 464</td>
<td>Hlth Communication Programming</td>
<td>3.0</td>
<td>FS</td>
</tr>
<tr>
<td>HCSV 541</td>
<td>Health in the Later Years</td>
<td>3.0</td>
<td>FA</td>
</tr>
<tr>
<td>HCSV 579</td>
<td>Grant Wrtg/Other Fundraising</td>
<td>3.0</td>
<td>FS</td>
</tr>
<tr>
<td>PSYC 354</td>
<td>Psychology of Aging</td>
<td>3.0</td>
<td>FA</td>
</tr>
<tr>
<td>RECR 360</td>
<td>Therapeutic Recr Older Adults</td>
<td>3.0</td>
<td>FS</td>
</tr>
<tr>
<td>SWRK 474</td>
<td>Policy/Progs for Older Adults</td>
<td>3.0</td>
<td>SP</td>
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</table>

1 course selected from:

<table>
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<tr>
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<th>Course Title</th>
<th>Units</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>NFSC 303</td>
<td>Nutrition/Physical Fitness</td>
<td>3.0</td>
<td>FS</td>
</tr>
<tr>
<td>NFSC 360</td>
<td>Nutrtn Throughout Life Cycle</td>
<td>3.0</td>
<td>FS</td>
</tr>
<tr>
<td>PHED 110</td>
<td>Phys Fitness: A Way of Life</td>
<td>3.0</td>
<td>FS</td>
</tr>
<tr>
<td>RELS 264</td>
<td>Dying/Death/Afterlife</td>
<td>3.0</td>
<td>FS</td>
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THE OPTION IN HEALTH EDUCATION: 43-44 units

12 courses required:

<table>
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<tr>
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<td>Human Physiology</td>
<td>4.0</td>
<td>FS</td>
</tr>
<tr>
<td>HCSV 260</td>
<td>Computer Apps in Health Educ</td>
<td>3.0</td>
<td>FS</td>
</tr>
<tr>
<td>HCSV 265</td>
<td>Human Sexuality</td>
<td>3.0</td>
<td>FS</td>
</tr>
<tr>
<td>HCSV 320</td>
<td>Chronic/Communicable Diseases</td>
<td>3.0</td>
<td>FS</td>
</tr>
<tr>
<td>HCSV 362</td>
<td>Environmental Health</td>
<td>3.0</td>
<td>FS</td>
</tr>
<tr>
<td>HCSV 569</td>
<td>Health Education Techniques</td>
<td>3.0</td>
<td>FS</td>
</tr>
<tr>
<td>HCSV 370</td>
<td>Drugs in Our Society</td>
<td>3.0</td>
<td>FS</td>
</tr>
<tr>
<td>HCSV 463</td>
<td>Epidemiology</td>
<td>3.0</td>
<td>FS</td>
</tr>
<tr>
<td>HCSV 464</td>
<td>Hlth Communication Programming</td>
<td>3.0</td>
<td>FS</td>
</tr>
<tr>
<td>HCSV 471</td>
<td>Health Behavior Theories</td>
<td>3.0</td>
<td>FA</td>
</tr>
<tr>
<td>HCSV 579</td>
<td>Grant Wrtg/Other Fundraising</td>
<td>3.0</td>
<td>FS</td>
</tr>
<tr>
<td>NFSC 303</td>
<td>Nutrition/Physical Fitness</td>
<td>3.0</td>
<td>FS</td>
</tr>
<tr>
<td>PSYC 354</td>
<td>Psychology of Aging</td>
<td>3.0</td>
<td>FA</td>
</tr>
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</table>

1 course selected from:

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<tbody>
<tr>
<td>HCSV 431</td>
<td>The Healthcare Delivery System</td>
<td>3.0</td>
<td>FA</td>
</tr>
<tr>
<td>HCSV 462</td>
<td>School Health Programs</td>
<td>3.0</td>
<td>FS</td>
</tr>
</tbody>
</table>

1 course selected from:

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<th>Units</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 211</td>
<td>General Microbiology</td>
<td>4.0</td>
<td>FS</td>
</tr>
<tr>
<td>CHEM 108</td>
<td>Organic Chem for Applied Sci</td>
<td>4.0</td>
<td>FS</td>
</tr>
<tr>
<td>HCSV 323</td>
<td>International Health</td>
<td>3.0</td>
<td>FS</td>
</tr>
<tr>
<td>HCSV 325</td>
<td>Consumer Health</td>
<td>3.0</td>
<td>FS</td>
</tr>
<tr>
<td>HCSV 363</td>
<td>Child Health</td>
<td>3.0</td>
<td>FS</td>
</tr>
<tr>
<td>HCSV 368</td>
<td>Women's Health</td>
<td>3.0</td>
<td>FS</td>
</tr>
<tr>
<td>HCSV 431</td>
<td>The Healthcare Delivery System</td>
<td>3.0</td>
<td>FA</td>
</tr>
<tr>
<td>HCSV 462</td>
<td>School Health Programs</td>
<td>3.0</td>
<td>FS</td>
</tr>
</tbody>
</table>

NOTE: Students seeking the Single Subject Waiver in Health Science are required to take HCSV 325.
THE OPTION IN HEALTH SERVICES ADMINISTRATION: 42 units

12 courses required:

- ACCT 201 Intro to Financial Accounting 3.0 FS
- ACCT 202 Intro to Managerial Accounting 3.0 FS
- HCSV 332 Laws/Ethics/Regns in Hlth Svc 3.0 SP
- HCSV 333 Medical Economics 3.0 FS *
- HCSV 430 Mgmt of Hlth Services Organiz 3.0 FA
- HCSV 431 The Healthcare Delivery System 3.0 FA
- HCSV 433 Fin Mgmt of Healthcare Org 3.0 FA
- HCSV 435 Health Care Policy & Politics 3.0 SP
- HCSV 437 Intro to Gerontology 3.0 FS
- HCSV 530 Hlth Svcs Admin Capstone Sem 3.0 SP
- MGMT 300 Communication in Business 3.0 FS WP
- MGMT 304 Human Resource Management 3.0 FS
- MKTG 305 Survey of Marketing 3.0 FS

1 course selected from:

- HCSV 320 Chronic/Communicable Diseases 3.0 FS
- HCSV 463 Epidemiology 3.0 FS
- HCSV 431, and HCSV 530.

1 course selected from:

- HCSV 438 EMS System Planning 3.0 FS
- HCSV 439 Admin EMS Organizations 3.0 FS
- HCSV 541 Health in the Later Years 3.0 FA
- HCSV 579 Grant Wrting/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 adviser 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. One course from each option has been designated as a competency course and is vital to what a professional in this field should know and be able to do. Students who earn below a C- in those courses are required to repeat the course and earn a C- or better in 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 330.

Advising Requirement:

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

Honors in the Major

Honors in the Major is a program of independent work in your major. It involves 6 units of honors course work completed over two semesters. Your Honors work will be recognized at your graduation, on your permanent transcripts, and on your diploma. It is often accompanied by letters of commendation from your mentor in the department or the department chair. Most importantly, however, 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.

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 6 units are independent study (499H) as specified by your department. You must complete each class with a minimum grade of B.
2. You must complete 9 units of upper-division course work or 21 overall units in your major before you can be admitted to Honors in the Major. Check the requirements 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 percent of majors in your department.
4. Your GPA in your major should be at least 3.5 or within the top 5 percent 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 contact your major department or major adviser for further information.

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.

6 courses required:

- HCSV 328 Multicultural Health 3.0 FS Eth
- HCSV 443 Social Gerontology 3.0 FA
- HCSV 541 Health in the Later Years 3.0 FA
- PSYC 354 Psychology of Aging 3.0 FA
- RECR 360 Therapeutic Recr Older Adults 3.0 FS
- SWRK 474 Policy/Progs for Older Adults 3.0 SP

THE MINOR IN HEALTH SCIENCE

Course Requirements for the Minor: 21-22 units

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

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 *
- NFSC 303 Nutrition/Physical Fitness 3.0 FS *

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 FS
- HCSV 321 Community Health 3.0 FS
- HCSV 322 Environmental Health 3.0 FS
- HCSV 370 Drugs in Our Society 3.0 FS *
- NFSC 303 Nutrition/Physical Fitness 3.0 FS *

Advising Requirement:

Advising is mandatory for all majors in this degree program. Consult your undergraduate adviser for specific information.
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 Prots Hlth Sys 3.0 FS
- HCSV 430 Mgmt of Hlth Services Organiz 3.0 FA
- HCSV 431 The Healthcare Delivery System 3.0 FA
- MGMT 304 Human Resource Management 3.0 FS

2 courses selected from:
- HCSV 333 Medical Economics 3.0 FS *
- HCSV 433 Fin Mgmt of Healthcare Org 3.0 FA
- HCSV 435 Health Care Policy & Politics 3.0 SP
- Prerequisites: HCSV 431.
- This course is also offered as POLS 405.
- Prerequisites: HCSV 431 or equivalent or faculty permission.
- HCSV 438 EMS System Planning 3.0 FS
- Prerequisites: HCSV 431 or equivalent or faculty permission.
- HCSV 439 Admin EMS Organizations 3.0 FS
- Prerequisites: HCSV 330 or equivalent or faculty permission.
- HCSV 541 Health in the Later Years 3.0 FA
- 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 Admin 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 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 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 adviser, students may substitute an internship offered by another department for HCSV 389. An overall grade point average of 2.5 is required for the certificate.

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 333 Medical Economics 3.0 FS *
- HCSV 433 Fin Mgmt of Healthcare Org 3.0 FA
- HCSV 435 Health Care Policy & Politics 3.0 SP
- HCSV 438 EMS System Planning 3.0 FS
- HCSV 439 Admin EMS Organizations 3.0 FS
- HCSV 541 Health in the Later Years 3.0 FA
- 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 Admin 3.0 FS
- Prerequisites: POLS 460A or concurrent enrollment.
- POLS 460D Collective Bargaining 3.0 JA
- Prerequisites: Faculty permission.

THE CERTIFICATE IN GERONTOLOGY

A student enrolled in the Gerontology Certificate Program must be accepted for university admission and must complete 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 adviser, students may substitute an internship offered by another department for HCSV 389. An overall grade point average of 2.5 is required for the certificate.

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 333 Medical Economics 3.0 FS *
- HCSV 433 Fin Mgmt of Healthcare Org 3.0 FA
- HCSV 435 Health Care Policy & Politics 3.0 SP
- HCSV 438 EMS System Planning 3.0 FS
- HCSV 439 Admin EMS Organizations 3.0 FS
- HCSV 541 Health in the Later Years 3.0 FA
- HCSV 543 Health in the Later Years 3.0 FA
- 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 Admin 3.0 FS
- Prerequisites: POLS 460A or concurrent enrollment.
- POLS 460D Collective Bargaining 3.0 JA
- Prerequisites: Faculty permission.

THE SINGLE SUBJECT TEACHING CREDENTIAL IN HEALTH SCIENCE

Course Requirements for the Single Subject Teaching Credential: 63-64 units

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 adviser 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 advisers 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 adviser 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). They must also complete BIOI 103, CHEM 100, and PSY 001. 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 credential program must earn a passing score on the SSAT in health science.
The Faculty
Peter Cruise. 2000, Assoc Professor, PhD, Florida Atlantic U.
Lyndall Ellingson. 1996, Assoc Professor, PhD, Indiana U.
Armida F. Ferrini. 1977, Chair, Professor Emeritus, PhD, U Utah.
Diana Flannery. 1991, Professor, PhD, Penn St U.
M. Virginia Frazier. 1972, Professor Emerita, PhD, U Maryland.
Jeanne Freeman. 2004, Assist Professor, PhD, U Arkansas.
Roland Lamarine. 1987, Professor, HSD, Indiana U.
Richard Narad. 1990, Professor, DPA, USC.
Mary Portis. 1989, Professor, DrPH, Loma Linda.
Rosalind Reed. 1977, Professor Emerita, PhD, Oregon State U.
Mark Tomita. 2002, Assoc Professor, PhD, New York 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. Formerly HCSV 010.

HCSV 161 Emergency Care and Personal Safety 3.0 Inquire
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. Formerly HCSV 015.

HCSV 189 Community Services: Field Experience 1.0-3.0 Fa/Spr
Prerequisites: Faculty permission.
This course is 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. Formerly HCSV 089.

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. Formerly HCSV 098.

HCSV 260 Computer Applications in Health Education 3.0 Fa/Spr
An introduction to computer applications used in health education. Surveys the teaching applications of selected computer-based media. Applies computer technology in communicating, collaborating, conducting research, and solving problems in the health education field. Students will learn to use Internet tools such as e-mail, listserv, Telnet, and the World Wide Web. Other topics to be addressed include evaluating health-related Web sites, WWW courseware writing, and creating Web materials. Formerly HCSV 060.

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. Formerly HCSV 111.

HCSV 320 Chronic and Communicable Diseases 3.0 Fa/Spr
Prerequisites: BIOL 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. Formerly HCSV 160.

HCSV 321 Community Health 3.0 Fa/Spr
Analyzes 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 workplace settings. Formerly HCSV 161.

HCSV 322 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. Formerly HCSV 175.

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. Formerly HCSV 163.

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 healthcare delivery to these groups will be explored. This is an approved Ethnic course. Formerly HCSV 178. This course is also offered as MCGS 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. Formerly HCSV 130.

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. Formerly HCSV 233.

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. Formerly HCSV 153. 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. Formerly HCSV 162.

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. Formerly HCSV 163.

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. Formerly HCSV 164.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
<th>Terms</th>
<th>Prerequisites/Restrictions</th>
</tr>
</thead>
<tbody>
<tr>
<td>HCSV 365</td>
<td>Complementary and Alternative Medicine</td>
<td>3.0</td>
<td>Fa/Spr</td>
<td>HCSV 260 or equivalent, HCSV 320 recommended. Selective offerings include, but are not limited to, acupuncture, herbology, naturopathy, nutrition, and manipulation.</td>
</tr>
<tr>
<td>HCSV 366</td>
<td>Drugs in American Film</td>
<td>3.0</td>
<td>Fa/Spr</td>
<td>This course examines 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. Formerly HCSV 165.</td>
</tr>
<tr>
<td>HCSV 368</td>
<td>Women's Health</td>
<td>3.0</td>
<td>Fa/Spr</td>
<td>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. Formerly HCSV 168. This course is also offered as NURS 368 and WMST 368.</td>
</tr>
<tr>
<td>HCSV 369</td>
<td>Health Education Techniques</td>
<td>3.0</td>
<td>Fa/Spr</td>
<td>Prerequisites: HCSV 260 or equivalent, HCSV 320, HCSV 321 recommended. Selective offerings include, but are not limited to, health promotion and disease prevention, nutrition, substance use, and decision-making.</td>
</tr>
<tr>
<td>HCSV 370</td>
<td>Drugs in Our Society</td>
<td>3.0</td>
<td>Fa/Spr</td>
<td>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. Formerly HCSV 170.</td>
</tr>
<tr>
<td>HCSV 389</td>
<td>Community Services: Supervision</td>
<td>1.0-3.0</td>
<td>Fa/Spr</td>
<td>Prerequisites: HCSV 369 recommended. 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.</td>
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<tr>
<td>HCSV 398</td>
<td>Special Topics</td>
<td>1.0-3.0</td>
<td>Fa/Spr</td>
<td>This course is a special topic offered for 1.0-3.0 units. You must register directly with a supervising faculty member. Formerly HCSV 198.</td>
</tr>
<tr>
<td>HCSV 399</td>
<td>Special Problems</td>
<td>1.0-3.0</td>
<td>Fa/Spr</td>
<td>Prerequisites: HCSV 398 recommended. 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. Formerly HCSV 199.</td>
</tr>
<tr>
<td>HCSV 425</td>
<td>Research and Evaluation in Health</td>
<td>3.0</td>
<td>Fa/Spr</td>
<td>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.</td>
</tr>
<tr>
<td>HCSV 425H</td>
<td>Research and Evaluation in Health - Honors</td>
<td>3.0</td>
<td>Fa/Spr</td>
<td>Prerequisites: ENGL 130 (or its equivalent) with a grade of C- or better, MATH 105; HCSV 260 or equivalent, faculty permission. This is an approved General Education course. Formerly HCSV 270H.</td>
</tr>
<tr>
<td>HCSV 430</td>
<td>Management of Health Services Organizations</td>
<td>3.0</td>
<td>Fall</td>
<td>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. Formerly HCSV 172.</td>
</tr>
<tr>
<td>HCSV 430H</td>
<td>Management of Health Services Organizations - Honors</td>
<td>3.0</td>
<td>Fall</td>
<td>Prerequisites: ACCT 201 or HCSV 330. Instructor permission required. This course 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. Formerly HCSV 231.</td>
</tr>
<tr>
<td>HCSV 432</td>
<td>Comparative Health Systems</td>
<td>3.0</td>
<td>Fall</td>
<td>Prerequisites: ACCT 201 or HCSV 330. Instructor permission required. This course examines the various healthcare systems throughout the world. It explores the differences in healthcare delivery systems and provides an understanding of the political, economic, and social factors that influence healthcare policies. Formerly HCSV 232.</td>
</tr>
<tr>
<td>HCSV 433</td>
<td>Financial Management of Healthcare Organizations</td>
<td>3.0</td>
<td>Fall</td>
<td>Prerequisites: HCSV 369 or equivalent. This course examines the principles of healthcare financial management, including agency theory, valuation, capitated contract analysis, and endowment management. Formerly HCSV 137.</td>
</tr>
<tr>
<td>HCSV 435</td>
<td>Health Law</td>
<td>3.0</td>
<td>Fa/Spr</td>
<td>Prerequisites: HCSV 369 recommended. This course examines the legal aspects 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. Formerly HCSV 137.</td>
</tr>
<tr>
<td>HCSV 437</td>
<td>Social Gerontology</td>
<td>3.0</td>
<td>Fall</td>
<td>Prerequisites: ACCT 201 or equivalent. 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. Formerly HCSV 137.</td>
</tr>
<tr>
<td>HCSV 439</td>
<td>Administration of EMS Organizations</td>
<td>3.0</td>
<td>Fa/Spr</td>
<td>Prerequisites: HCSV 369 recommended. This course provides an overview of the U.S. emergency medical services system. Formerly HCSV 237.</td>
</tr>
<tr>
<td>HCSV 443</td>
<td>Health Education for Secondary School Teachers</td>
<td>3.0</td>
<td>Fa/Spr</td>
<td>Prerequisites: HCSV 369 recommended. 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. Formerly HCSV 270H.</td>
</tr>
<tr>
<td>HCSV 444</td>
<td>Health Education for Elementary School Teachers</td>
<td>3.0</td>
<td>Fa/Spr</td>
<td>Prerequisites: HCSV 369 recommended. 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. Formerly HCSV 270H.</td>
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<tr>
<td>HCSV 445</td>
<td>Health Education for Secondary School Teachers</td>
<td>3.0</td>
<td>Fa/Spr</td>
<td>Prerequisites: HCSV 369 recommended. 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. Formerly HCSV 270H.</td>
</tr>
</tbody>
</table>
HCSV 463  Epidemiology  3.0 Fa/Spr  
Prerequisites: HCSV 320, MATH 105. Study of the patterns of the major chronic and infectious diseases. Both individual- and population-based approaches to prevention and control will be examined. Formerly HCSV 263.

HCSV 464  Health Communication Programming  3.0 Fa/Spr  
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. Formerly HCSV 200.

HCSV 465  Sexuality Education: Concepts and Issues  3.0 Inquire  
Prerequisites: BIOL 104. Survey of issues relating 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. Formerly HCSV 265.

HCSV 467  Mental and Emotional Health  3.0 Inquire  
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. Formerly HCSV 267.

HCSV 468  Worksite Health Promotion  3.0 Inquire  
Examines the nature, extent, and significance of work-related illnesees and accidents. Discusses the cause and prevention of occupational health problems and the influence of economic and political factors. The role of government, management, and the employee in protecting workers' health is discussed. Analyzes corporate and worksite health promotion programs. Formerly HCSV 268.

HCSV 470  Drug Prevention and Intervention  3.0 Inquire  
Prerequisites: BIOL 104. Designed for those who plan a career in health and community services. Explores models of drug use, abuse, and addiction and psychological, cultural, and economic determinants. Examines the history and current status of major prevention and intervention efforts to reduce tobacco, alcohol, and illicit prescription drug abuse. Students evaluate the leading drug prevention and intervention models used in school and community settings. Formerly HCSV 266.

HCSV 471  Health Behavior Theories  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. Formerly HCSV 271.

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. Formerly HCSV 262.

HCSV 489  Internship  3.0-11.0 Fa/Spr  
Prerequisites: Concurrent enrollment in HCSV 490, senior standing, minimum 2.9 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. Formerly HCSV 299.

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. Formerly HCSV 299.

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. Formerly HCSV 298.

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 referee the paper into a publishable form and make a public presentation. Completion of 6 units with a B or higher certifies "Honors in the Major" on transcript. Formerly HCSV 299H.

HCSV 530  Health Services Administration Capstone Seminar  3.0 Spring  
Prerequisites: HCSV 330 and HCSV 463, 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. Formerly HCSV 239.

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, coping with health problems, treatment, and prevention. Also addresses drug use and abuse, sexuality, chronic illness, use of health delivery systems, including long-term care. Formerly HCSV 241.

HCSV 579  Grant Writing and Other Fundraising Strategies  3.0 Fa/Spr  
Prerequisites: Faculty permission. 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. Formerly HCSV 279.

HCSV 625  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 service organizations and ‘organizations’ behavior and management decision making. Formerly HCSV 352. 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, finance and budgeting, and marketing. Formerly HCSV 363. 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. Formerly HCSV 364.

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. Formerly HCSV 365. 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. Formerly HCSV 389.

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. Formerly HCSV 398.

HCSV 699P  Master’s Project  1.0-3.0 Fa/Spr  
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. Formerly HCSV 399P.

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. Formerly HCSV 399T.