

**MISSION AND GOALS**  
**HEALT SCIENCE PROGRAM**

**CALIFORNIA STATE UNIVERSITY, HAYWARD**

The mission of the health sciences program is to prepare a health science generalist who also has the requisite knowledge and skills for a career in the health care industry. It is expected that graduates of the program will understand the complexity and evolving nature of the health care industry and its multiple service areas. Therefore, graduates are prepared to become active participants and leaders in the development of innovative programs and services which address the health care needs of the communities they serve.

Graduates of the Health Sciences major will be able to:

- Assess their own knowledge and skill through a synthesis of general education, major courses and work experience,
  - Analyze health care systems and organizations,
  - Use at least three technical tools essential for health care occupations and professions,
  - Search and analyze information needed to make decisions related to health services and systems,
  - Prepare and critique program proposals that may be used in health services and systems,
  - Perform a career search and predict their personal leadership in health services and environments.
2. The program will offer a balance of major and general education that will provide optimum access to students and promote timely completion of major requirements.
  3. The program will complete the development of assessment elements.

4. Internships via HSc 4500 will be taken by 100% of Health Science majors.

**Student goals**

1. Via HSc 4700, 90% of major students will participate in a survey of their internship experiences, graduation plans and readiness for the world of work in health services.
2. Seventy five percent of Health Science students will participate in advising sessions during their first course in Health Science.
3. In a survey of graduates, at least 50% will indicate that they were prepared for their first post graduate positions.

**Faculty**

1. Faculty will assist in recruiting an Advisory Board and attend Advisory Board meetings.
2. Faculty will analyze course content according to the program's goals, objectives and skill content.
3. Faculty will discuss the program with outside consultants and reviewers and gather ideas for curriculum innovation and revision.
4. Faculty will collaborate in the non-instructional work of the program such as faculty meetings, School of Science events and University committee work.

**PROMOTION OF THE MISSION AND GOALS OF THE UNIVERSITY**

The mission of the University is 'educational excellence for a diverse society', and the Health Sciences program is contributing to that mission with a special focus on health care service and research. In this review period, the program has attempted to improve the rigor and relevance of the major, and has offered new general education cluster courses. Students are required to do internships, and support for career skills has been incorporated into the first and last courses of the major. Student service and information about their academic plans has been improved, but

needs to keep improving. The diversity of the students leads to a rich and exciting series of classes, but specific options for the future need to be explored and encouraged. Scanning of the health care environment is needed and incorporation of findings into curriculum is an ongoing effort.

The 2000-2004 goals of the Health Science Program are congruent with the seven goals of the University. Specific connections are shown in Table 1-Relationship of Health Science Program Goals to the Goals of the University.

Table 1: Relationship of Health Science Program Goals to the CSUH University Goals

#### CSUH Goal

#### Health Sciences Program

##### 1. Curricula

- The faculty will continue to use rigorous and relevant curriculum, that has been reviewed and revised according to the trends and expectations of the University and the external stakeholders in health care and services

##### • 2. Faculty

- Faculty will discuss the program with outside consultants and reviewers and gather ideas for curriculum innovation and revision.
- Faculty will collaborate in the non-instructional work of the program such as faculty meetings, School of Science events and University committee work.

##### 3. Students

- Via HSc 4700, 90% of major students will participate in a survey of their internship experiences, graduation plans and readiness for the world of work in health services.
- Seventy five percent of Health Science students will participate in advising sessions during their first course in Health Science.
- In a survey of graduates, at least 50% will indicate that they were prepared for their first post baccalaureate jobs.

##### 4. Technology

Although not a current department goal, technical skills will be integrated into all course

offerings in the next five years, with some course work emphasizing technical skill.

##### 5. Expand partnerships

- Faculty will assist in recruiting an Advisory Board and attend Advisory Board meetings.

##### 6. Establish the University as a Cultural Resource.

##### 7. Develop additional funding to support educational efforts

Although not a current department goal, proposals by faculty to support departmental

programs will contribute to this University goal

# ASSESSMENT ELEMENTS

Major in Health Sciences  
Cal State University, Hayward  
Fall, 2000

4.01

Element	Goals/ Objectives	Outcome Measure	Where and When	Target Date	Employment Opportunities
HSc Major	1. Assess own knowledge and skill.	Candidate Information/ Bachelor Degree Check List Grad Check Form	HSc 1000 HSc 4000	Spring 2001	
		Written Synthesis of general ed, major courses and work experience, added to portfolio	HSC 4700		
	2. Analyze health care systems and organizations.	Diagrams of health systems, programs or processes	HSc 4600 HSc 4700	Spring 2001	
		Case Studies	HSc 1000 HSc 4600		
		Short Answer exam questions	HSc 3300 HSc 3400		
		Portfolio Completion	HSc 4700		
	3. Employ technology information tools essential for health occupations	Assignments using three different tools to a level of basic competency, e.g.:			
		Use of database search	HSc 1000 HSc 4000 HSc 4700		
		Bill Tracking	HSc 3350		
		Online Resources	HSc 3300		
		Flow charts, budgets	HSc 4600 HSc 4700		
		Evidence in Portfolio	HSc 4700		

Element	Goals/ Objectives	Outcome Measure	Where and When	Target Date	Employment Opportunities
<b>HSc MAJOR, continued</b>	4. Search and analyze information to make decisions related to health services and systems.	Case Studies Ethical Decisions	HSc 1000	Spring 2001	
		Prepared technical report	HSc 4700		
		Production of policy portfolio	HSc 3350		
		Analysis of case study & report	HSc 4600		
	5. Prepare and critique program proposals that may be used in health services and systems	Team prepared and peer reviewed proposals according to external criteria	HSC 4700	Spring 2001	
	6. Scan the realm of health careers and predict professional activity in health environments	Career searches documented Interview health professionals report	HSc 1000	Spring 2001	
		Job searches	HSc 4700		

<b>Options</b> (Choose one in addition to the major elements)	<b>Goals/ Objectives</b>	<b>Outcome Measure</b>	<b>Where and When</b>	<b>Target Date</b>	<b>Employment Opportunities</b>
1. Education/Training/ Facilitation					
1A. Community Health Educator	Design, conduct and evaluate activities to help improve the health of people.	Assess individual and community need for health education	HSc 3350	Spring 2001	National Certified Community Health Educators (CHES), Trainers, Program Managers, Patient Educators, Preparation for MSW/Social Worker and MFCC graduate programs  In Hospitals, Clinics, Public and Private Agencies, NonProfit Organizations and in the community
		Plan effective health education programs	HSc 3350 HSc 4700		
		Implement health education programs	HSc 4500 HSc 4700		
		Evaluate the effectiveness of health education programs	HSc 4000		
		Coordinate the provision of health education services	HSc 4500		
		Act as a resource person in health and health education	HSC 4500		
		Communicate health and health education needs, concerns and resources	HSc 3350 HSc 4500 HSc 4700		

<b>Options</b> (Choose one in addition to the major elements)	<b>Goals/ Objectives</b>	<b>Outcome Measure</b>	<b>Where and When</b>	<b>Target Date</b>	<b>Employment Opportunities</b>
1B. Health Science Teacher (Credential Route)	Competence and confidence in teaching Health Science in K-12 schools	Scientific and Behavioral Foundations of Health Science Education (Inc Comprehensive School Health system (CSHS)	Proposed course with Teacher Ed (School Health Systems)	Spring 2001	Health Sciences Teaching in public and private schools K-12 (Health Teaching Credential)
		Influences on Personal Health (includes Nutrition and Dietary Practices, Alcohol, Tobacco and other Drugs, Mental Health)	HSc 1100 NURS 3500 HSc 3400		
		Family Life and Relationships	HSc 1100 HSc 3400 HSc 3800		
		Community and Social Health (includes Consumer Health, Culture, Media and Technology)	NURS 4207 HSc 3650 HSc 3800 HSc 3300		
		Injury and Violence Prevention and Safety Promotion	NURS 4207		
		Health Promotion, Disease Prevention, Risk Reduction	NURS 4207 HSc 1100		

<b>Options</b> (Choose one in addition to the major elements)	<b>Goals/ Objectives</b>	<b>Outcome Measure</b>	<b>Where and When</b>	<b>Target Date</b>	<b>Employment Opportunities</b>
2. Environmental Health/ Safety Environmental/Occupational Health and Safety Option (Non Technical)	Assessment of Environmental Health and Safety Problems and Issues	Compile/research projects/ reviews/evaluations, recommendations from internships and other pertinent assignments in an environmental/occupational health and safety option portfolio	HSc 3200 Chem 1601 Chem 1602 Chem 1603 Biol 1101-2 Econ 1000 or Econ 4306 Biol 3410	Spring 2001	Local Health Departments Private industries Other Public and Private Agencies
	Management of Environmental Problems and Issues	Solve problems Collaborate in decision- making Utilize information Plan/Implement/Prioritize projects Produce reports & documents	HSc 4700 Biol 3032 Extension courses leading to a Certificate in Hazardous Waste Mgmt POSC 3460		
	Communication of Environmental Health/Safety problems/issues	Communicate risk and exchange information through various media Educate the public on Environmental Health issues Market Environmental Health as a service	MCOM 2000 MCOM 3240 BUAD 3401 or 3435		

3. Administration: Management/Policy/ Evaluation/Finance/ Marketing	Perform entry level and mid-management level administrative work in clinical facilities, voluntary health agencies, public health organizations, and integrated health care delivery systems	Perform the role of analyst in fields of government relations, marketing, and finance	HSc 4000 HSC 4700 HSc 4500	Fall 2001	<p>* All sectors:</p> <ul style="list-style-type: none"> <li>- Information specialist (web skills, retrievals, database management)</li> <li>- Program assistant, coordinator, or director</li> <li>- Specialist in planning, marketing, finance (insurance, investments, collections, etc.), policy</li> <li>- Outreach or volunteer coordinator</li> <li>- Management specialist-all departments, all levels</li> </ul> <p>* Private Sector:</p> <ul style="list-style-type: none"> <li>- Full range of administrative functions and fields including corporate giving program and government relations dept.</li> </ul> <p>* Public Sector:</p> <ul style="list-style-type: none"> <li>- Health care analyst or research specialist</li> <li>- Health policy analyst</li> <li>- Legislative specialist</li> <li>- Government services (G.S.) (Career or civil service)</li> </ul>
	Prepare for admission to graduate programs in public health, public administration, management and business				
		Develop knowledge and skills related to:			
		1. program planning, implementation and evaluation	HSc 4000		
		2. management functions of directing; budgeting, and decision-making	HSc 4600		
		3. legislative analysis and the legislative process;	HSc 3350		
		4. marketing and financial management	HSc 4600		
		5. human resources and employee benefits	HSc 4600		



4. Preprofessions Preparation	Certification in Preprofessional Health		Chem: 1101-2-3 3301-2-3 3400 or 4411-4412 Physics: 2701-2-3 Biol: 1301-2 + one add'l lab course Math 1304	Fall 2001	Pharmacy Medicine Dentistry Dental Hygiene Physical Therapy Optometry
			Chem : 1601-2-3 Additional courses depending on career choice		Public Health Dietary Nursing Chiropractic Recreation Therapy Occupational Therapy Physical Therapy

