

# BS IN HEALTH SCIENCE

---

## In Workflow

1. HLSC Committee Chair (m.mink@csus.edu)
2. KHS Committee Chair (matt.brown@csus.edu;%20katherine.jamieson@csus.edu)
3. HLSC Chair (m.mink@csus.edu)
4. Academic Services (torsetj@csus.edu;%20212408496@csus.edu;%20cnewsome@skymail.csus.edu)
5. HHS College Committee Chair (knam@csus.edu)
6. HHS Dean (maguirem@csus.edu)
7. Academic Services (torsetj@csus.edu;%20212408496@csus.edu;%20cnewsome@skymail.csus.edu)
8. Senate Curriculum Subcommittee Chair (curriculum@csus.edu)
9. Faculty Senate Executive Committee Chair (kathy.garcia@csus.edu)
10. Faculty Senate Chair (kathy.garcia@csus.edu)
11. Dean of Undergraduate (james.german@csus.edu;%20celena.showers@csus.edu)
12. Dean of Graduate (cnewsome@skymail.csus.edu)
13. President (cely.smart@csus.edu)
14. Catalog Editor (212408496@csus.edu;%20torsetj@csus.edu;%20cnewsome@skymail.csus.edu)
15. Registrar's Office (wwd22@csus.edu;%20w lindsey@csus.edu;%20sac19595@csus.edu;%20danielle.ambrose@csus.edu;%20h.skocilich@csus.edu;%20205109584@csus.edu)

## Approval Path

1. Tue, 08 Oct 2019 20:21:01 GMT  
Michael Mink (m.mink): Approved for HLSC Committee Chair
2. Tue, 08 Oct 2019 21:56:38 GMT  
Matt Brown (matt.brown): Approved for KHS Committee Chair
3. Tue, 08 Oct 2019 22:15:54 GMT  
Michael Mink (m.mink): Approved for HLSC Chair
4. Tue, 08 Oct 2019 22:35:55 GMT  
Janett Torset (torsetj): Approved for Academic Services
5. Tue, 15 Oct 2019 23:43:15 GMT  
Kisun Nam (knam): Approved for HHS College Committee Chair
6. Tue, 15 Oct 2019 23:52:39 GMT  
Mary Maguire (maguirem): Approved for HHS Dean

## History

1. Apr 27, 2018 by clmig-jwehrheim
2. Sep 14, 2018 by 212408496

Date Submitted: Tue, 08 Oct 2019 01:34:43 GMT

## Viewing: BS in Health Science

**Last approved: Fri, 14 Sep 2018 19:55:04 GMT**

**Last edit: Wed, 06 Nov 2019 00:01:45 GMT**

Changes proposed by: Susan Perez (217369465)

### Academic Group: (College)

Health & Human Services

### Academic Organization: (Department)

College of Health & Human Services

### Catalog Year Effective:

2020-2021 Catalog

### Individual(s) primarily responsible for drafting the proposed degree major program:

Name (First Last)	Email	Phone 999-999-9999
Susan Perez	susan.perez@csus.edu	530-848-8011

### Type of Program Proposal:

Major

**Program Change Type:**

Substantive

**Title of the Program:**

BS in Health Science

**Designation: (degree terminology)**

Bachelor of Science

**Briefly describe the program proposal (new or change) and provide a justification:**

Changing the curriculum within the BS in Health Science to serve at a meta major for the college.

**Objectives of the degree program:**

By the end of the program, students will be able to:

1. Articulate shared values, ethics and standards of practice within the health professions.
2. Analyze health issues from an ecological and systemic viewpoint.
3. Describe the role of human behavior on health risk and outcomes.
4. Apply research methodology and data analysis skills to support evidence-based practice within health related professions.
5. Work collaboratively across population groups, health related disciplines, and community partners.

## University Learning Goals

**Undergraduate Learning Goals:**

Competence in the disciplines  
Knowledge of human cultures and the physical and natural world  
Integrative learning  
Personal and social responsibility  
Intellectual and practical skills

**Will this program be required as part of a teaching credential program, a single subject, or multiple subject waiver program (e.g., Liberal Studies, Biology) or other school personnel preparation program (e.g., School of Nursing)?**

No

**Please attach a Comprehensive Program Assessment Plan (required)**

BS Health Sci Assessment.pdf

**Please attach a Curriculum Map Matrix (required)**

CirriculumMap\_MetaDegree.xlsx

**Please attach a five-year budget projection (required)**

FormB\_MetaDegree\_BudgetNarrative.docx

**Do these changes impact the Smart Planner roadmap?**

Yes

**Please attach the Smart Planner roadmap:**

Meta-Major\_roadmap v1.docx

**Briefly describe the change:**

New curriculum, please see roadmap.

**Catalog Description:**

**Units required for Major: 53-54**

**Total units required for BS: 120**

## Program Description

The Bachelor of Science program in Health Science prepares students for a variety of roles within the allied health professions. The curriculum integrates coursework from disciplines across the University to provide students with a broad foundation of knowledge and skills related to life sciences, social sciences, communications, health ecology, public service, ethical practice, and data analysis.

The curriculum is designed to provide students with the necessary prerequisite courses to pursue careers or training in clinical or non-clinical practice professions after graduation, such as Occupational Therapy, Nursing, Physician Assistance, or Public Health. The curriculum also prepares students to transition to clinical majors at Sacramento State if they wish. Students have the flexibility to select a program of study that suits their career goals within the allied health professions.

**Note:** Students graduating with a BS in Health Science will not be subject to the University's Foreign Language Graduation Requirement. Students who change major may be subject to the University's Foreign Language Graduation Requirement.

**Admission Requirements:** Course prerequisites and other criteria for admission of students to the degree major program, and for their continuation in it.

## Minimum Grade Requirement

All courses must be completed with at least a "C" grade.

### Additional Information

**Repeat Policy:** Health Science majors and minors can only repeat Health Science courses one time if they receive less than a "C." Students must meet with their academic advisor before petitioning the department to repeat the course. Refer to the Repeat Policy section of the Sacramento State Catalog for additional information.

**Credit by Examination:** A student who seeks course credit by examination is to enroll in the course to be challenged. No course may be challenged after the first two weeks of the semester. The instructor of the course will conduct an assessment of the student's readiness for the challenge for credit examination. Refer to Credit by Examination section of the Sacramento State Catalog.

**Advising:** It will be necessary to work very closely with an advisor to complete the BS degree in a timely manner. Therefore, it is strongly recommended that all Health Science students consult with an advisor prior to enrollment for any course. This procedure should be followed each semester.

As defined by policy <http://www.csus.edu/umannual/acadaff/fsm00010.htm>, a change in units constitutes a substantive change to the program. If your changes constitute a substantive change, please refer back to the "Program Change Type" field above to ensure that "Substantive" is selected.

**Program Requirements:** (If new courses are being created as part of a new program, it will be useful to propose courses first.)

## Program Requirements

Code	Title	Units
<b>Required Lower Division Courses (20-21 Units)</b>		20 - 21
BIO 10 or BIO 2 Cells Molecules and G	Basic Biological Concepts Course BIO 2 Cells Molecules and Genes Not Found	3
BIO 25 or BIO 22 Introduction Human Anatomy	Human Anatomy and Physiology I Course BIO 22 Introduction Human Anatomy Not Found	4
CHEM 6A or CHEM 1A OR CHEM 5 OR a 4-5 unit lecture-based Chemistry course	Introduction to General Chemistry <sup>1</sup> Course CHEM 1A OR CHEM 5 OR a 4-5 unit lecture-based Chemistry course Not Found	4 - 5
PUBH 50 or FACS 10 Nutrition and Wellness	Healthy Lifestyles Course FACS 10 Nutrition and Wellness Not Found	3
PSYC 2 or SOC 1 Principles of Sociology	Introductory Psychology Course SOC 1 Principles of Sociology Not Found	3
STAT 1 or STATS 10B	Introduction to Statistics <sup>1</sup> Course STATS 10B Not Found	3
<b>Required Upper Division Courses (48 Units)</b>		15
PUBH 114	Human Ecology and Health	3
PUBH 122	Health Psychology	3
PUBH 160	Senior Seminar: Health Science Careers, Policy, and Research	3
<i>Select one course from the following courses on Aging: (3 units)</i>		3
GERO 121	Strategies for Optimal Aging	3
GERO 100	Aging Issues in Contemporary America	3
GERO 122	Managing Disorders in Elders	3
PUBH 150	Aging and Health	3
KINS 136	Sport And Aging	3
GERO 101	Elder Care Continuum Services and Strategies	3
<i>Select one course from the following courses on Ethical Practices: (3 units)</i>		3
PUBH 151	Introduction to the U.S. Healthcare System	3
PHIL 102	Professional and Public Service Ethics	3
PHIL 104	Bioethics	3
PHIL 105	Science and Human Values✍	3
SWRK 151	Health Services and Systems	3

<b>Required Health Science Electives (18 units) (44 Units)</b>		18
Choose 18 units from the following elective courses:		
BIO 26	Human Anatomy and Physiology II	4
BIO 39	Microbiology for Allied Health Students	4
BIO 104	Physiology of Human Reproduction	3
BIO 123	Neuroanatomy	3
BIO 130	Histology	3
BIO 131	Systemic Physiology	4
BIO 140	Medical Microbiology and Emerging Infectious Diseases	3
CHDV 30	Human Development	3
FACS 113	Course FACS 113 Not Found	
GERO 103	Applied Care Management in Gerontological Practice	3
NURS 14	Pharmacology	2
PHYS 182	Physics of Sports	3
PSYC 149	Psychology of Adolescence	3
PSYC 168	Abnormal Psychology	3
RPTA 106	Introduction to Inclusive Recreation and Recreation Therapy	3
Total Units		165-167

<sup>1</sup> Course also satisfies General Education (GE)/Graduation Requirement.

**Note:** Health Science courses depend upon concentration, permission of the faculty advisor, program coordinator, and department chair.

<sup>1</sup> Course also satisfies General Education (GE)/Graduation Requirement.

## General Education Requirements <sup>1</sup>

Code	Title	Units
<b>Area A: Basic Subjects (9 Units)</b>		
A1	Oral Communication	3
A2	Written Communication	3
A3	Critical Thinking	3
<b>Area B: Physical Universe and Its Life Forms (6 Units)</b>		
B1	Physical Science <sup>2</sup>	0
B2	Life Forms	3
B3	Lab (Note: Lab experience to be taken with one of the following: B1, B2 or B5 <sup>2</sup> )	0
B4	Math Concepts <sup>2</sup>	0
B5	Additional Course (Any B to reach 12 units) - Take upper-division course to complete Area & upper division requirements.	3
<b>Area C: Arts and Humanities (12 Units)</b>		
C1	Arts	3
C2	Humanities	3
C1/C2	Area Course C	3
C1/C2	Area C Course - Take upper-division course to complete Area & upper division requirements.	3
<b>Area D: The Individual and Society (9 Units)</b>		
	Area D Course	3
	Area D Course	3
	Area D Course	3
	Area D Course - Take upper-division course to complete Area & upper division requirements. <sup>2</sup>	0
<b>Area E: Understanding Personal Development (3 Units)</b>		
	Area E Course	3
Total Units		39

<sup>1</sup> To help you complete your degree in a timely manner and not take more units than absolutely necessary, there are ways to use single courses to meet more than one requirement (overlap). For further information, please visit the General Education page (<http://catalog.csus.edu/colleges/academic-affairs/general-education/>).

**Note:** There is no way to list all possible overlaps so please consult with a professional advisor. The Academic Advising Center can be visited online (<http://www.csus.edu/acad/>), by phone (916) 278-1000, or email ([advising@csus.edu](mailto:advising@csus.edu)).

<sup>2</sup> Required in Major; also satisfies GE.

## Graduation Requirements <sup>1</sup>

Code	Title	Units
<b>Graduation Requirements (required by CSU) (9 Units)</b>		
American Institutions: U.S. History		3
American Institutions: U.S. Constitution & CA Government		3
Writing Intensive (WI)		3
<b>Graduation Requirements (required by Sacramento State) (6 Units)</b>		
English Composition II		3
Race and Ethnicity in American Society (RE)		3
Foreign Language Proficiency Requirement <sup>2</sup>		0

<sup>1</sup> To help you complete your degree in a timely manner and not take more units than absolutely necessary, there are ways to use single courses to meet more than one requirement (overlap). For further information, please visit the General Education page (<http://catalog.csus.edu/colleges/academic-affairs/general-education/>).

**Note:** There is no way to list all possible overlaps so please consult with a professional advisor. The Academic Advising Center can be visited online (<http://www.csus.edu/acad/>), by phone (916) 278-1000, or email ([advising@csus.edu](mailto:advising@csus.edu)).

<sup>2</sup> If not satisfied before entering Sacramento State, it may be satisfied in General Education Area C2 (Humanities). "C- or better required." The alternative methods for satisfying the Foreign Language Proficiency Requirement are described here: <https://www.csus.edu/wll/flgr/>

**Note:** Students with a declared major of BS in Health Science (Occupational Health and Safety), BS in Health Science (Health Care Administration), or BS in Health Science (Community Health Education) are exempt from the Foreign Language Graduation Requirement.

## Fiscal Impact to Change an Existing Program

**Indicate programmatic or fiscal impact which this change will have on other academic units' programs, and describe the consultation that has occurred with affected units:**

The program is not expected to significantly increase the overall demand for courses in the curriculum, except for the new capstone course (PUBH 160) which will be offered by the Department of Public Health. The College of Health and Human Services has committed to covering the costs for the additional 15-20 sections of PUBH 160 each year (40 students per section), which we estimate to be between \$75,000 and \$100,000 annually. Since students will not take this course until their final year, fiscal impact to the college will be minimal for the first two-three years.

**Provide a fiscal analysis of the proposed changes:**

The program is not expected to significantly increase the overall demand for courses in the curriculum, except for the new capstone course (PUBH 160) which will be offered by the Department of Public Health. The College of Health and Human Services has committed to covering the costs for the additional 15-20 sections of PUBH 160 each year (40 students per section), which we estimate to be between \$75,000 and \$100,000 annually. Since students will not take this course until their final year, fiscal impact to the college will be minimal for the first two-three years.

**How will the above changes be accommodated within the department/College existing fiscal resources?**

The College of Health and Human Services has committed to covering the added costs.

**Will the proposed changes require additional resources?**

No

**What additional space, equipment, operating expenses, library, computer, or media resources, clerical/technical support, or other resources will be needed?**

Does not apply.

**Reviewer Comments:**

**Janett Torset (torsetj) (Tue, 29 Oct 2019 16:49:01 GMT):**Program to be held at Academic Services pending further College review. College to notify Academic Services when program is to be moved forward.

**Janett Torset (torsetj) (Wed, 06 Nov 2019 00:01:45 GMT):**Edited to change department. The program will be housed in the College of Health and Human Services.

Key: 278