

**Bachelor of Science in Health Science: Radiologic Technology Option**

The purpose of the Degree Roadmap is to serve as a guide for planning one's academic coursework required to complete a specific major semester by semester. Before enrolling, you can use the Degree Roadmap to get a feel for the courses you'll take in this major. After enrolling, refer to the University Catalog, Class Schedule and consult with your academic advisor each semester for advisement to specify which courses you will take to fulfill each graduation

requirement and are progressing toward graduation in a timely manner as possible. **The Degree Roadmap is subject to change and is NOT to be considered a replacement for advisement with an academic advisor.** See *University Catalog* for information on the Graduate Writing Assessment Requirement (GWAR). \*See reverse side for General Education (GE) course requirements. \*\*A minimum of 120 units are required for completion of degree.

**College of Health, Human Services, and Nursing**

**Entry Level Skills Tests**

**English**

EPT Waiver:	SAT I 500, ACT 22, AP 3 or EAP Exempted
Course Placement	120-140 ENG 88
Total Scores:	141-146 ENG 99
	143-146 ENG 195: satisfies ENG 99 & ENG 110
	147 ENG 110

**Math**

ELM Waiver:	SAT I & II 550, ACT 23, AP 3 or EAP	
Course Placement	00-40	MAT 3
Total Scores:	42-48	MAT 9
	50	G.E. Math

**First Semester**

Course		Units
GE D1*	ANT 100 Introduction to Cultures (meets GE D1*)	3
Select	PSY 101 or SOC 101 (meets GE D1*)	3
GE A1*	Freshman Composition I	3
GE A3*	Oral Communication area	3
GE B4*	Quantitative Reasoning area (MAT 131)	3
GE C2*	Humanities - Art Courses area	3

**Second Semester**

Course		Units
CSC 101	Introduction to Computer Education	3
GE A1*	Freshman Composition II	3
GE A2*	Logic/Critical Reasoning area	3
GE B1*	Physical Sciences area (PHY 100 recommended)	4
GE C1*	Humanities area	3
GE D2*	Global and Historical Perspectives area	3

**Third Semester**

Course		Units
BIO 102	General Biology (meets GE B2*)	3
BIO 103	Science Laboratory area (meets GE B3*)	1
CHE 110	General Chemistry I	5
HSC 201	Health Science Systems & Perspectives (meets GE E*)	3
GE C3*	Humanities - Letters Courses area	3
GE D3*	Perspectives on U.S. History area	3

**Fourth Semester**

Course		Units
BIO 250	Elements of Human Anatomy & Physiology	3
BIO 251	Elements of Human Anatomy & Physiology Lab	1
GE D4*	Perspectives on U.S. & California Government area	3
GE F1*	Studies in the Humanities area	3
GE F2*	Studies in the Natural Sciences area	3

**Fifth Semester**

Course		Units
HEA 280	Orientation/Elementary Radiation Protection	1
HEA 281	Medical Terminology: Radiology	1
HEA 287	Clinical Practicum I	1
HEA 314	Health Behavior	3
HEA 318	Health Resources Management	3
HEA 380	Darkroom Chemistry & Techniques	1
HEA 381	Patient Care Procedures	2
HEA 382	Principles of Radiographic Exposure	3
HEA 387	Clinical Practicum II	3
GWAR	ENG 350 or GWE	0-3

**Sixth Semester**

Course		Units
HEA 315	Interpersonal Skills in Health Communication	3
HEA 383	Common Radiographic Procedures Using Contrast Media	2
HEA 384	Topographic Anatomy & Positioning I	3
HEA 388	Clinical Practicum III	3
GE F3/G*	Studies in Social Sciences area/Cultural Pluralism area	3

**Seventh Semester**

Course		Units
HEA 312	Introduction to Public Health	3
HEA 385	Radiation Protection	3
HEA 481	Topographic Anatomy & Positioning II	3
HEA 482	Special Radiographic Procedures	2
HEA 487	Clinical Practicum IV	1
HEA 488	Clinical Practicum V	3
HEA 499	Senior Research Project	1

**Eighth Semester**

Course		Units
HEA 480	Radiologic Physics	2
HEA 483	Subspecialties in Radiology	2
HEA 485	Department Administrative & Office Procedures, Computer Literacy	1
HEA 489	Clinical Practicum VI	3
HEA 499	Senior Research Project	1
HSC 492	Research Methods in Health Sciences	3

**Total Units: 128-131\*\***

**NOTE:** Clinical year begins summer prior to the 5th semester. All courses required for the Health Science major must be a grade of "C" or better. Upper division elective courses cannot double count for upper division GE courses. This is a single field major. No minor required.

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### Learn More

- To learn more about the B.S. in Health Science at CSUDH, call the Division of Health Sciences at (310) 243-3748, visit WH A-330, or visit [CSUDH.EDU/CHHSN](http://CSUDH.EDU/CHHSN).
- For more information on applying to CSUDH, visit [CSUDH.EDU/FutureStudents](http://CSUDH.EDU/FutureStudents).
- Apply online at [CSUMENTOR.EDU](http://CSUMENTOR.EDU).
- Career information, visit [CSUDH.EDU/CareerCenter](http://CSUDH.EDU/CareerCenter).

### Faculty

Pamela Krochalk, Chair, Professor  
Dr., P.H., University of California, Los Angeles

Cheryl Jackson-Harris  
Program Coordinator, Professor  
M.S., CSU, Dominguez Hills

Ellen Hope-Kearns  
Professor and Professor Emeritus  
Ph.D., University of Central Lancashire

Paula D'Amore, Associate Professor  
Ph.D., University of California, Los Angeles

Amer El Ahraf, Professor Emeritus  
DPH, University of California, Los Angeles

Scott Hornbeak, Program Coordinator,  
Lecturer, Orthotics & Prosthetics  
MBA, CPO, University of California, Los Angeles

### Career Options

Students should consider professional health care specialization. They find positions in a variety of settings including university medical centers, acute care facilities, private clinics, hospitals, doctor's offices, research facilities, colleges and universities, government and in industry, both in the United States and abroad.

### \*General Education (GE) Requirements

#### A. **Basic Skills:**

Courses must be passed with a grade of "C" or higher.  
GE A1: ENG 110, ENG 111 (both required)  
GE A2: PHI 120 or PSY 110  
GE A3: THE 120  
GE A4: CSC 101 or LIB 150 (optional category)

#### B. **Area of the Natural Sciences and Quantitative Reasoning:**

Select one course from each category below. Category 4 courses must be passed with a grade of "C" or higher.  
GE B1: CHE 102, EAR 100, GEO 200, PHY 100  
GE B2: ANT 101, BIO 102  
GE B3: BIO 103, EAR 101, CHE 103  
GE B4: MAT 105, 131, 153, 171, 191, 193

#### C. **Area of the Humanities:**

Select one course from each category below.  
In categories 2 and 3, select courses from different departments.  
GE C1: HUM 200  
GE C2: ART 100, ART 101, CHS 125, COM 130, DAN 130, MUS 101, MUS 110, THE 100, THE 160  
GE C3: AFS 200, AFS 231, APP 101, CHS 100, CHS 205, ENG 230, FRE 220, HUM 212, PHI 101, PHI 102, SPA 151, SPA 221

#### D. **Area of the Social Sciences:**

Select one course from each category below.  
In categories 1 and 2, select courses from different departments.  
GE D1: AFS 212, AFS 220, ANT 100, APP 212, CHS 212, PSY 101, SOC 101, SOC 102, WMS 250

GE D2: AFS 201, ANT 102, CHS 200, GEO 100, HIS 120, HIS 121, POL 100  
GE D3: HIS 101  
GE D4: POL 101

#### E. **Objectives for Lifelong Learning and Self-Development:**

Select one course from the following.  
GE E: HEA 100, HSC 201, KIN 235, REC 100, UNV 101

#### F. **Upper Division Integrative Studies:**

Select one course from each category. Courses in this category are to be taken after 60 semester units and ALL lower division General Education courses have been completed.  
GE F1: HUM 310, 312, 314  
GE F2: SMT 310, 312, 314, 416  
GE F3: SBS 318<sup>1</sup>

#### G. **Cultural Pluralism Requirement:**

Within their General Education selections or within other requirements, all students must take one course which addresses cultural pluralism (i.e. the impact of the integration of cultures).  
GE G: ANT 312, 336, 337, 338, 339, 340, 342, 389, CHS 300, HIS 305, MUS 401, PHI 383, SBS 318, SOC 322, SOC 331, SOC 383

<sup>1</sup> SBS 318 satisfies both F3 and G areas. Students will receive only three units credit, but will have met both requirements.