# GCH BS - Biomedical Concentration

*Course offerings are subject to change.

## Lower Division Courses

### GCH:
- □ GCH 1: Foundations for Global and Community Health (F)

### Calculus:
- □ MATH 16A or 11A or MATH 19A
- □ MATH 16B or 11B or MATH 19B

### General Chem:
- □ CHEM 3A: General Chemistry (FW)
- ● OR □ CHEM 3A&3AL: General Chemistry with Lab (FW&AL)
- □ CHEM 3B&3BL: General Chemistry with Lab (FS&BL)

### Biology:
- □ BIOL 20A: Cell and Molecular Bio (FWS)
- □ BIOE 20B: Development and Physiology (FWS)
- □ BIO 20L: Experimental Bio Lab (FWS)

### Organic Chem:
- □ CHEM 8A: Organic Chemistry & (FW)
- □ CHEM 8B: Organic Chemistry (WS)
- □ CHEM 8L: Organic Chem Lab (FW)
- □ CHEM 8M: Organic Chem Lab (WS)

### Statistics:
- □ STAT 7: Stats for the Biological, Environmental, and Health Sciences &
- □ STAT 7L: Stats Lab

### Physics:
- □ PHYS 6A: Introductory Physics I &
- □ PHYS 6L: Introductory Physics I Lab
- □ PHYS 6B: Introductory Physics II &
- □ PHYS 6C: Introductory Physics III

### Spanish:
- Students must achieve proficiency and pass Medical Spanish
  - □ Take the Spanish Placement Exam
  - □ SPAN 1: Intro Spanish (FWS)
  - □ SPAN 2: Intro Spanish (FWS)
  - □ SPAN 3: Intro Spanish (FWS)
  - □ SPAN 4: Intermediate Spanish (FWS)
  - □ SPAN 5M: Medical Spanish (FS)

* All Spanish courses must be taken for a letter grade

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After passing the above qualification courses shaded green with a C or better, you can submit a Petition to Declare. All qualification courses must be completed by the end of the 5th quarter and students must petition to declare by the 6th quarter deadline.

** Declared

## Upper Division Courses

Complete the major with the following:

### CORE COURSES:
- □ BIOL 105: Genetics (FWS)
- □ BIOL 100: Biochemistry (FWS)
- □ BIO 101: Molecular Biology
- □ BIO 110: Cell Biology
- □ BIO 113: Principles of Epidemiology
- □ BIO 130: Human Physiology (WS)
- □ BIO 130L: Human Physiology Lab (WS)
- □ METX 115: Environmental Health Science
- □ GCH 190: Global and Community Health Task Force
- □ GCH 195: Global and Community Health Communication

### INTERNSHIP/COMPREHENSIVE REQUIREMENT
- □ BIO 189: Health Sciences Internship **

** Please note you must apply for the internship

### DISCIPLINARY COMMUNICATION REQUIREMENT
- □ GCH 190: Global and Community Health Task Force
- □ GCH 195: Global and Community Health Communication

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Please refer to your 2024-25 UCSC General Catalog for more information or clarification.