# GCH BS - Public and Community Health Concentration

Course offerings are subject to change.

## Lower Division Courses

### GCH: Foundations for Global and Community Health
- **GCH 1**: Foundations for Global and Community Health

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

### General Chem
- CHEM 3A: General Chemistry
- CHEM 3B&3BL: General Chemistry w/Lab
- OR
- CHEM 4A&4AL: Advanced General Chemistry: Molecular Structure and Reactivity w/Lab
- CHEM 4B&4BL: Advanced General Chemistry: Molecular Structure and Reactivity w/Lab

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

### Microbio and Environmental Toxicology
- METX 41: Physiology of Disease

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

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

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.

## Lower-Division Breadth Requirement (Choose One)

- ANTH 2: Introduction to Cultural Anthropology
- BIOL 80A: Female Physiology and Gynecology
- BIOL 80B: Biology of Emerging and Pandemic Diseases
- CLNI 30/JRLC 30: (H)ACER Undergraduate Community Internship
- CLNI 60: Water Justice: Global Insights for a Critical Resource
- CMMU 10: Introduction to Community Activism
- CSE 80A: Universal Access: Disability, Technology, and Society
- ENVS 25: Environmental Policy and Economics
- ENVS 80F: Introduction to Agroecology and Sustainable Food Systems
- FMST 10: Feminisms of/and the Global South
- FMST 30: Feminism and Science
- FMST 31: Disability Studies
- FMST 41: Trans Gender Bodies
- HIS 81: Science in the Colonial World
- LALS 55: AIDS Across the Americas
- LALS 57: Drugs, Addiction, and Recovery in the Americas
- LIT 80K: Topics in Medical Humanities
- POLI 17: U.S. and the World Economy
- POLI 20: American Politics
- POLI 61: Politics of Social Policy
- PSYC 1: Introduction to Psychology
- SOCY 1: Introduction to Sociology
- SOCY 10: Issues and Problems in American Society
- SOCY 15: World Society
- SPAN 3: First-Year Spanish
- SPAN 4: Second-Year Spanish
- SPAN 5M: Medical Spanish
- VME 57V: Global Pop Health & Env (UCD)
- SAS2V: Feeding the World (UCD)

## Upper Division CORE COURSES (Compete all):

- BIOL 100: Biochemistry
- BIOL 113: Principles of Epidemiology
CMMU 165/GCH 165: Community Analysis for Global Health
METX 115 - Environmental Health Science
GCH 190: Global and Community Health Task Force (W)
GCH 195: Global and Community Health Communication (FWS)

Upper Division STEM Elective (Choose one)

- BIOE 118: Plands and Society: The Biology of Food, Shelter, and Medicine
- BIOL 101: Molecular Biology
- BIOL 105: Genetics
- BIOL 117: Global Health and Neglected Diseases
- CHEM 109: Intermediate Organic Chemistry and Applications to Biology
- CHEM 169: Chemistry and Biology of Drug Design and Discovery
- CHEM 171: Chemical Biology
- METX 100: Introduction to Microbiology
- METX 102: Cell and Molecular Toxicology
- METX 133: Medical Microbiology
- METX 135: Functional Anatomy*
- METX 135L: Functional Anatomy Lab
  * Enrollment in METX 135 requires concurrent enrollment in METX 135L

Upper Division Non-STEM Electives (Choose two)

- ANTH 110E: Anthropology of Global Environmental Change
- ANTH 110F: Evolution of Human Diet
- ANTH 110T: Motherhood in American Culture
- ANTH 110Y: Feeding California
- ANTH 111: Human Ecology
- ANTH 112: Life Cycles
- ANTH 129: Beyond Borders: Other Globalizations and Histories of Interconnection
- ANTH 134: Medical Anthropology: An Introduction
- ANTH 136: The Biology of Everyday Life
- ANTH 144: Anthropology of Poverty and Welfare
- ANTH 146: Anthropology and the Environment
- ANTH 148/FMST 148: Gender and Global Development
- ANTH 160: Reproductive and Population Politics
- ANTH 161: The Anthropology of Food
- ANTH 161S: Anthropology of Food, Abroad
- ANTH 162: Anthropology of Displaced Persons
- BIOL 188: A Life in Medicine
- CMMU 156: Politics of Food and Health
- CMMU 160: Public Health
- CMMU 161: Gender Health and Justice
- CMMU 162: Community Gardens and Social Change
- CMMU 163: Health Care Inequalities
- CMMU 164: Health Justice in Conflict
- DANM 136: Mapmaking for Environmental Activism
- FMST 124: Technology, Science, and Race Across the Americas
- FMST 125: Race, Sex, and Technology
- GCH 123: Migration as a Social Determinant of Health
- GCH 186: Global Health Politics
- HIS 101D: World History of Science
- HIS 101F: Global Environmental History
- HIS 139C: Queer Pasts: A Radical Telling of LGBTQ History in the United States
- HIS 151: History of Science, Medicine, and Technology from Antiquity to the Enlightenment
- HIS 151A: Medicine and the Body in the Colonial World
- HIS 151B: Drugs in World History
- HIS 177A: Slaves, Soldiers, and Scientists: History of the Tropics
- LALS 175: Migration, Gender, and Health
- LALS 194X: Extractivism and Socio-Environmental Conflicts in the Americas
- LGST 108: Gender, Sexuality, and Law
- LGST 135: Native Peoples Law
- LGST 137: International Environmental Law and Policy
- LGST 173/POLI 173: Disability, Law, & Politics
- POLI 102: Doing Research
- POLI 120B/LGST 120B: Society and Democracy in American Political Development
- POLI 120C/LGST 120C: State and Capitalism in American Political Development
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<th>Course Code</th>
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<td>POLI 121/LGST 121:</td>
<td>Racism &amp; Justice in America</td>
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<td>POLI 160B/LGST 160B:</td>
<td>International Law</td>
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<td>POLI 166:</td>
<td>Politics of Migration</td>
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<td>POLI 175/LGST 175:</td>
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<td>POLI 182/LGST 182:</td>
<td>The Power to Punish</td>
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<td>POLI 186/LGST 186:</td>
<td>Global Health Politics</td>
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<td>POLI 187:</td>
<td>Decolonial Global Health: A View from the Middle East and Africa</td>
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<td>POLI 189:</td>
<td>Pandemics, Politics, and Global and Community Health</td>
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<td>SOCY 121:</td>
<td>Sociology of Health and Medicine</td>
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<td>SOCY 121G:</td>
<td>Genomics and Society</td>
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<td>Sociology of Drugs, Botanicals and Pharmaceuticals</td>
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<td>SOCY 128C/LGST 128C:</td>
<td>Social History of Democracy, Anarchism, and Indigenism</td>
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<td>SOCY 153:</td>
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<td>BIOL 189:</td>
<td>Health Sciences Internship                                                    ** Please note you must apply for the internship</td>
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### Internship/Comprehensive Requirement

- **BIOL 189: Health Sciences Internship**

### Disciplinary Communication Requirement

- GCH 190: Global and Community Health Task Force
- GCH 195: Global and Community Health Communication

Please refer to your [2024-25 UCSC General Catalog](#) for more information or clarification