Global Health (B.A.) students pursuing a career in the medical field should include appropriate Pre-Med coursework into their schedule.

**Common Medical School Pre-Requisites:**

- One year of **college math** (usually Math 10 or 20); AP credit okay
- One course in **statistics** (Math 11, Psych 60, BIEB 100, etc.)
- One year of **physics, including labs** (Physics 1ABC/L or 2 ABC series)
- One year of **general chemistry with lab** (Chem 6 ABC and 7L). *Students with AP credit can take Chem 6H series or inorganic chem 120 AB or biochem 114 AB if desired.
- One year of **organic chemistry with lab** (Chem 140 ABC and 143A) – must take CHEM 6A,B and C prior One year of general biology with lab (BILD 1, 2, 3 and 4.o unit lab).
- Students with AP credit should take several UD courses and a lab (genetics, cell biology, molecular biology, microbiology, physiology, immunology, etc.)
- One course in **biochemistry** (BIBC 100 or 102 or Chem 114A or B)

**Coursework**

(*bolded courses also fulfill GH major requirements)

**Freshmen Year**

Courses required for Medical School:

- **BILD 3** *(can fulfill GH biology elective - may be taken prior to BILD 1 and 2 as they are not pre-requisites of BILD 3)*
- **CHEM 6 A, B, C and 7L**
- **Math 10A, B and either C or 11 (or 20A/B/C)**
- **One year of English Composition – fulfilled with college writing reqts.**

**Sophomore Year**

Courses Required for Medical School:

- BILD 1 and 2
- O-Chem Series - Chem 140 A (Chem 6B or Chem 6BH), B (Chem 140A), C (Chem 140B)
- Physics 1A/L, 1B/L, 1C/L or 2A/L, 2B/L, 2C/L

Recommended Courses:

- **SOCI 30, 40 or 70**

**Junior Year**

Courses Required for Medical School:

- Take Chem 143A (Chem 7L and B or better grade in Chem 140A)
- **UD Biology Lab**

Recommended Courses (can fulfill Global Health biology electives):

- **BIBC 100 Structural Biochemistry** (BIBC 102)
- **BICD 100 Genetics** (BILD 1)
- **BIPN 100 Human Physiology 1** (BILD 1 & BILD 2)
- **BIMM 100 Molecular Biology** (BIBC 100 or BIBC 102, BICD 100)

**Senior Year**

Recommended courses that can fulfill Global Health Elective Requirements (not recommended for students who are close to 200 units):

- **ANSC 164: Medical Anthropology**
- **USP 143: The US Health-care System**
- **FPMU 101: Epidemiology** (FPMU 40, PSYC 60 or Math 11 & Upper Division Standing)
- **FPMU 120: Health Policies for Healthy Lifestyles** (FPMU 110 and upper-division standing)
- **FPMU 110: Health Behavior and Chronic Disease** (FPMU 40 and upper-division standing)
- **Anatomy** (UCSD Extension or community college)

Additional recommended courses:

- **COMM 10: Introduction to Communication**
- **Medical Terminology** (UCSD Extension or community college)

For additional information and resources visit [http://prehealth.ucsd.edu](http://prehealth.ucsd.edu) & [globalhealthprogram.ucsd.edu](http://globalhealthprogram.ucsd.edu)
**Freshmen Year**

**Experiences:**
- Connect with the Career Services Center
- Join HMP3 and other pre-health student organizations
- Begin getting involved with student organizations that interest you or find a Global Health Field Experience Opportunity working with a student organization.
- Start medical experiences (shadowing, intern, scribe, EMT, etc)
- Explore undergraduate research opportunities
- Go to office hours and start developing professional relationships with Professors
- Explore community service, volunteer opportunities and medical experiences (shadowing, intern, scribe, EMT, etc)
- Review “Considering a Career in Medicine” at www.aamc.org/students and explorehealthcareers.org

**Additional Experiences:**
- Connect with the Career Services Center
- Join HMP3 and other pre-health student organizations
- Begin getting involved with student organizations that interest you or find a Global Health Field Experience Opportunity working with a student organization.
- Start medical experiences (shadowing, intern, scribe, EMT, etc)
- Explore undergraduate research opportunities
- Go to office hours and start developing professional relationships with Professors
- Explore community service, volunteer opportunities and medical experiences (shadowing, intern, scribe, EMT, etc)
- Review “Considering a Career in Medicine” at www.aamc.org/students and explorehealthcareers.org

**Sophomore Year**

**Experiences:**
- Connect with the Career Services Center
- Stay involved with extracurricular activities
- Consider leadership positions for your student organizations
- Explore MCAT preparation and study options
- Identify medical programs which interest you
- Identify and foster relationships for letters of recommendation
- Obtain a research position (if interested).

**Junior Year**

**Experiences:**
- Connect with Career Services
  - Attend Medical School Application workshop
- Register for MCAT (early Winter quarter)
- Study for MCAT and take MCAT (Spring/Summer)
- Request the letters of recommendation from 5 individuals
- Complete Application (AMCAS or AACOMAS) (Spring/Summer)
- Continue with activities; obtain leadership positions
- Look towards research publication

**Senior Year**

**Experiences:**
- Connect with Career Services
  - Attend Interview Workshop
- Submit Application (AMCAS or AACOMAS) if not already submitted (early Fall quarter)
- Complete supplemental application
- Wait to be contacted for interview from medical schools, continue with activities; continue leadership positions
- If applicable, contact Career Services regarding a Plan B

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### Sample Four Year Pre-Med Plan for Global Health Students

*Pre-med reqs that also fulfill GH reqs are listed in blue
*College GE’s not included*

<table>
<thead>
<tr>
<th>Year</th>
<th>Fall</th>
<th>Winter</th>
<th>Spring</th>
</tr>
</thead>
<tbody>
<tr>
<td>Freshmen</td>
<td>CHEM 6A &lt;br&gt; MATH 1GA/2GA &lt;br&gt; BILD 3 (GH Bio elective)</td>
<td>CHEM 6B &lt;br&gt; MATH 108/208</td>
<td>CHEM 6C &lt;br&gt; CHEM 7L &lt;br&gt; Math 11/L</td>
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<tr>
<td>Sophomore</td>
<td>PHYS 1A/LAL &lt;br&gt; CHEM 140A (O-CHEM) &lt;br&gt; BILD 1 &lt;br&gt; LD Core Req (SOCI 30, 40 or 70)</td>
<td>PHYS 1B/LBL &lt;br&gt; CHEM 140B (O-CHEM) &lt;br&gt; BILD 2</td>
<td>PHYS 1C/LCL &lt;br&gt; CHEM 140C (O-CHEM) &lt;br&gt; LD Core Req (HILD 30)</td>
</tr>
<tr>
<td>Junior</td>
<td>CHEM 143A (O-CHEM Lab) &lt;br&gt; UD Bio Lab &lt;br&gt; UD Core Req (Policy Analysis)</td>
<td>UD Core Req &lt;br&gt; UD Biochemistry &lt;br&gt; (BIID 100 or 102) &lt;br&gt; Bio Elective (BIID 100 Genetics) &lt;br&gt; Register for MCAT</td>
<td>UD Core Req &lt;br&gt; UD Core Req &lt;br&gt; Bio Elective (BIPN 100 Physics)</td>
</tr>
<tr>
<td>Senior</td>
<td>Elective &lt;br&gt; Elective</td>
<td>GLBH 150A. Senior Capstone &lt;br&gt; Elective &lt;br&gt; Elective</td>
<td>GLBH 150B. Senior Capstone &lt;br&gt; Elective</td>
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</tbody>
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**LD core requirements:** HILD 30 and Sociology options (SOCI 30, 40, 70 or PHIL 26)

**UD core requirements:** GLBH 181, MGT 173, ANSC 148 and Policy Analysis course