# 2019 - 2020 Major Map

**Health Sciences, BS**

**School/College:** College of Health Solutions  
**Location:** Downtown Phoenix campus, West campus  
**NHHSCBS**

### Term 1 - 16 Credit Hours

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
<th>Minimum Grade</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHS 101: The ASU Experience for Health Solutions Students</td>
<td>1</td>
<td></td>
<td>• An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses</td>
</tr>
<tr>
<td>ENG 101 or ENG 102: First-Year Composition OR</td>
<td>3</td>
<td>C</td>
<td>• Mathematics Placement Assessment score determines placement in mathematics course</td>
</tr>
<tr>
<td>ENG 105: Advanced First-Year Composition OR</td>
<td></td>
<td></td>
<td>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students.</td>
</tr>
<tr>
<td>ENG 107 or ENG 108: First-Year Composition</td>
<td></td>
<td></td>
<td>• Build your professional connections -- join the ASU Mentor Network</td>
</tr>
<tr>
<td>MAT course (MA)</td>
<td>3</td>
<td>C</td>
<td></td>
</tr>
<tr>
<td>Humanities, Arts and Design (HU) AND Historical Awareness (H) OR</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Social-Behavioral Sciences (SB) AND Historical Awareness (H)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Complete 2 courses:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Elective</td>
<td>6</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Term hours subtotal:** 16

### Term 2 - 16 - 32 Credit Hours

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
<th>Minimum Grade</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>HCD 210: Cultural Aspects of Health (C)</td>
<td>3</td>
<td>C</td>
<td>• Join a student club or professional organization.</td>
</tr>
<tr>
<td>CHS 100: Designing Your Well-Being (SB) OR CHS 300: The Science of Well-Being (SB)</td>
<td>3</td>
<td>C</td>
<td>• Students who enter as freshmen must complete CHS 100; students who enter with more than 45 hours may complete CHS 300 instead.</td>
</tr>
<tr>
<td>ENG 101 or ENG 102: First-Year Composition OR</td>
<td>3</td>
<td>C</td>
<td>•</td>
</tr>
<tr>
<td>ENG 105: Advanced First-Year Composition OR</td>
<td></td>
<td></td>
<td>•</td>
</tr>
<tr>
<td>ENG 107 or ENG 108: First-Year Composition</td>
<td></td>
<td></td>
<td>•</td>
</tr>
<tr>
<td>Natural Science - Quantitative (SQ)</td>
<td>4</td>
<td></td>
<td>•</td>
</tr>
<tr>
<td>Elective</td>
<td>3</td>
<td></td>
<td>•</td>
</tr>
<tr>
<td>Complete ENG 101 OR ENG 105 OR ENG 107 course(s).</td>
<td></td>
<td></td>
<td>•</td>
</tr>
</tbody>
</table>

**Term hours subtotal:** 16

### Term 3 - 32 - 48 Credit Hours

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
<th>Minimum Grade</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSY 101: Introduction to Psychology (SB)</td>
<td>3</td>
<td>C</td>
<td>• Develop your skills.</td>
</tr>
<tr>
<td>Literacy and Critical Inquiry (L)</td>
<td></td>
<td></td>
<td>•</td>
</tr>
<tr>
<td>Natural Science - Quantitative (SQ) OR Natural Science - General (SG)</td>
<td>4</td>
<td></td>
<td>•</td>
</tr>
<tr>
<td>Complete 2 courses:</td>
<td></td>
<td></td>
<td>•</td>
</tr>
<tr>
<td>Elective</td>
<td>6</td>
<td></td>
<td>•</td>
</tr>
<tr>
<td>Complete Mathematics (MA) requirement.</td>
<td></td>
<td></td>
<td>•</td>
</tr>
</tbody>
</table>

**Term hours subtotal:** 16

### Term 4 - 48 - 63 Credit Hours

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
<th>Minimum Grade</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Humanities, Arts and Design (HU)</td>
<td>3</td>
<td></td>
<td>• Secure a part-time job or volunteer experience.</td>
</tr>
<tr>
<td>Complete 4 courses:</td>
<td>12</td>
<td></td>
<td>•</td>
</tr>
<tr>
<td>Elective</td>
<td></td>
<td></td>
<td>•</td>
</tr>
</tbody>
</table>

**Term hours subtotal:** 15
Students interested in the Mayo School of Health Sciences Echocardiography program must complete all prerequisites at ASU and a one credit medical terminology course from GateWay Community College prior to matriculation to the 21 month professional program at Mayo. Students must be accepted into the program, which has limited slots for admission. For admission criteria and application process go here. If a student is accepted for the program, completion requires the student to attend ASU to meet our remaining requirements in the summer prior to the beginning of the program. Students must work closely with the ASU academic success specialist to make certain all prerequisites have been met. Upon

<table>
<thead>
<tr>
<th>Term 5 63 - 78 Credit Hours Necessary course signified by ✦</th>
<th>Hours</th>
<th>Minimum Grade</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>HCD 300: Biostatistics (CS)</td>
<td>3</td>
<td>C</td>
<td>• Develop your professional online presence.</td>
</tr>
<tr>
<td>HCD 310: Health Communication</td>
<td>3</td>
<td>C</td>
<td></td>
</tr>
<tr>
<td>HCD 320: Applied Medical/Health Care Ethics (HU)</td>
<td>3</td>
<td>C</td>
<td></td>
</tr>
<tr>
<td>HCD 330: Health Care Systems in the U.S.</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MED 300: Historical and Contemporary Issues in Health (L)</td>
<td>3</td>
<td>C</td>
<td></td>
</tr>
<tr>
<td>Term hours subtotal:</td>
<td>15</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Term 6 78 - 93 Credit Hours Necessary course signified by ✦</th>
<th>Hours</th>
<th>Minimum Grade</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>HCD 303: Global Health Care Systems (G)</td>
<td>3</td>
<td>C</td>
<td>• Use Handshake to research employment opportunities.</td>
</tr>
<tr>
<td>Complete 2 courses:</td>
<td></td>
<td></td>
<td>• Students who choose to enroll in MED 484 in term 7 must have a minimum cumulative 3.00 GPA at the end of term 6.</td>
</tr>
<tr>
<td>Track Focus Area Course</td>
<td>6</td>
<td>C</td>
<td></td>
</tr>
<tr>
<td>Complete 2 courses:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Upper Division Elective</td>
<td>6</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Minimum 2.00 GPA ASU Cumulative.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Term hours subtotal:</td>
<td>15</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Term 7 93 - 108 Credit Hours Necessary course signified by ✦</th>
<th>Hours</th>
<th>Minimum Grade</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>MED 450: Leadership and Professionalism OR HCD 401: Leadership and Professionalism</td>
<td>3</td>
<td>C</td>
<td>• Gather professional references.</td>
</tr>
<tr>
<td>CHS 484: Internship OR HCD 484: Internship OR MED 484: Internship</td>
<td>3</td>
<td>Y</td>
<td>• Students who choose to enroll in MED 484 must have a minimum cumulative 3.00 GPA at the end of term 6.</td>
</tr>
<tr>
<td>Complete 2 courses:</td>
<td></td>
<td></td>
<td>• The internship in term 7 fills the college's translational research requirement for the 2019-20 academic year.</td>
</tr>
<tr>
<td>Upper Division Track Focus Area Course</td>
<td>6</td>
<td>C</td>
<td></td>
</tr>
<tr>
<td>Upper Division Elective</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Minimum 2.00 GPA ASU Cumulative.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Term hours subtotal:</td>
<td>15</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Term 8 108 - 120 Credit Hours Necessary course signified by ✦</th>
<th>Hours</th>
<th>Minimum Grade</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Upper Division Track Focus Area Course</td>
<td>3</td>
<td>C</td>
<td>• Apply for full-time career opportunities.</td>
</tr>
<tr>
<td>Upper Division Elective</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Complete 2 courses:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Elective</td>
<td>6</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Term hours subtotal:</td>
<td>12</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Students interested in the Mayo School of Health Sciences Echocardiography program must complete all prerequisites at ASU and a one credit medical terminology course from GateWay Community College prior to matriculation to the 21 month professional program at Mayo. Students must be accepted into the program, which has limited slots for admission. For admission criteria and application process go here. If a student is accepted for the program, completion requires the student to attend ASU to meet our remaining requirements in the summer prior to the beginning of the program. Students must work closely with the ASU academic success specialist to make certain all prerequisites have been met. Upon
### General University Requirements Legend

**General Studies Core Requirements:**
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

---

### Community-based Health Outcomes
- **HCD 302:** Health Care Management
- **IBC 420:** Population Health Management
- **MED 417:** Impact of Violence on Health
- **MED 445:** Prevention and Management of Chronic Disease
- **PBH 422:** Health Disparities and Access to Health

### Health Legislation and Regulation
- **HCD 302:** Health Care Management
- **HCD 332:** Health Care Legislation
- **HCD 400:** Interpreting the Scientific Literature
- **HCD 432:** Legal Issues in Health Care
- **PAF 340:** Contemporary Policy Challenges

### Integrated Care
- **HCD 340:** Complementary Health Care
- **HSC 340:** Changing Health Behaviors
- **HSC 440:** Health Coaching Concepts and Skills
- **MED 445:** Prevention and Management of Chronic Disease
- **NTR 355:** Eating for Lifelong Health (SB)

### Spanish and Health
- **SPA 314:** Spanish Conversation and Composition (G) or **SPA 316:** Advanced Spanish II for Bilinguals (L & C)
- **SPA 318:** Advanced Spanish for Health Care Professionals
- **SPA 404:** Spanish in U. S. Professional Communities (C)
- **SPA 405:** Latino Cultural Perspectives for the Professions (L, or HU) & C & G
- **SPA 406:** Introduction to Spanish/English Medical Interpretation

### Mayo Clinic Echocardiography Track
- **PHY 101:** Introduction to Physics (SQ)
- **BIO 201:** Human Anatomy and Physiology I (SG)
- **BIO 202:** Human Anatomy and Physiology II (SG)
- **COM 225:** Public Speaking (L)

### Language, Speech and Communication
- **SHS 205:** Exploring Communication Disorders in Children and Adults AND **SHS 250:** Introduction to Phonetics
- **SHS 310:** Anatomical and Physiological Bases of Speech
- **SHS 311:** Hearing Science
- **SHS 367:** Language Science (SB)
- **SHS 375:** Speech Science
- **SHS 401:** Principles of Audiology
- **SHS 465:** Speech and Language Acquisition (SB)
- **SHS 496:** Aural Rehabilitation

---

**Total Hours:** 120  
**Upper Division Hours:** 45 minimum  
**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for Academic Recognition:** 56 minimum  
**Total Community College Hrs:** 64 maximum

---

For those interested in working with hispanic/latino populations, the Spanish and Health track is ideal. Since the first course in the track, SPA 314 or 316, has prerequisites (SPA 313 or SPA 315), students should either have taken one of those courses or they should schedule an appointment on the Downtown campus with Dr. Barbara Lafford for placement. Plan ahead to complete your prerequisites.

Students who plan to complete the track in Language, Speech and Communication must complete PHY 101 and BIO 160 to fill their natural science area of the general studies.

---

Successful completion of the Echocardiography curriculum at Mayo, the student must have the credits transferred back to ASU for acceptance as a block. At that time, the student may apply for graduation from ASU with the BS in Health Sciences. Students who begin the Mayo track but are not accepted into the Mayo program may choose another track in order to graduate with the BS in Health Sciences.
General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.