# 2021 - 2022 Major Map
## Medical Studies, BS

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

### Term 1 0 - 15 Credit Hours

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
<th>Minimum Grade</th>
<th>Notes</th>
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</thead>
</table>
| BIO 181: General Biology I (SQ) | 4 | C | - Select your career interest communities and play me3@ASU.  
| CHM 113: General Chemistry I (SQ) | 4 | C | - ASU 101 or college-specific equivalent  
| CHS 101: The ASU Experience for Health Solutions Students | 1 | | - First-Year Seminar required of all first-year students  
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | - Explore pre-health resources.  
| MAT 170: Precalculus (MA) | 3 | C | |

**Term hours subtotal:** 15

### Term 2 15 - 32 Credit Hours

<table>
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<tr>
<th>Course</th>
<th>Hours</th>
<th>Minimum Grade</th>
<th>Notes</th>
</tr>
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</table>
| BIO 182: General Biology II (SG) | 4 | C | - Meet with a pre-health advisor to discuss coursework and extracurricular activities.  
| CHM 116: General Chemistry II (SQ) | 4 | C | - Join a student club or professional organization.  
| CHS 100: Optimizing Your Health and Performance (SB) OR CHS 300: An Exploration of Well-Being (SB) | 3 | C | - Research career pathways and decide on a professional track prior to registering for the next term.  
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | - Students who enter the major as freshmen must complete CHS 100; students who enter the major with more than 45 hours should complete CHS 300.  
| HSC 210: Cultural Aspects of Health (C) | 3 | C | |

**Complete ENG 101 OR ENG 105 OR ENG 107 course(s).**

Minimum 3.00 GPA ASU Cumulative.

**Term hours subtotal:** 17

### Term 3 32 - 46 Credit Hours

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<tr>
<th>Course</th>
<th>Hours</th>
<th>Minimum Grade</th>
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| CHM 233: General Organic Chemistry I AND CHM 237: General Organic Chemistry Laboratory I | 4 | C | - Research professional schools and their admission requirements, including required courses.  
| Professional Track Courses | 3 | C | - Start volunteering for health organizations and shadowing health professionals to learn more about opportunities in the field.  
| PSY 101: Introduction to Psychology (SB) | 3 | C | - Develop your skills.  
| SOC 101: Introductory Sociology (SB) OR CDE 232: Human Development (SB) OR ECN 211: Macroeconomic Principles (SB) OR COM 100: Introduction to Human Communication (SB) | 3 | C | - The course chosen from the list in this term (SOC 101, CDE 232, ECN 211, COM 100) should be selected from the Professional Track the student is |

**Complete Mathematics (MA) requirement.**

Minimum 3.00 GPA ASU Cumulative.

**Term hours subtotal:** 14
Term 4 46 - 60 Credit Hours Critical course signified by ★ Hours Minimum Grade Notes

- CHM 234: General Organic Chemistry II AND CHM 238: General Organic Chemistry Laboratory II 4 C
- Professional Track Courses 4 C
- Literacy and Critical Inquiry (L) 3 C
- Humanities, Arts and Design (HU) AND Historical Awareness (H) 3 C
- Minimum 3.00 GPA ASU Cumulative.

Term hours subtotal: 14

Term 5 60 - 74 Credit Hours Necessary course signified by ★ Hours Minimum Grade Notes

- BIO 201: Human Anatomy and Physiology I (SG) 4 C
- HCD 300: Biostatistics (CS) 3 C
- MED 320: Applied Medical/Health Care Ethics (HU) 3 C
- Upper Division Medical Studies Breadth Elective 3 C
- Elective 1 C
- Minimum 3.00 GPA ASU Cumulative.

Term hours subtotal: 14

Term 6 74 - 90 Credit Hours Necessary course signified by ★ Hours Minimum Grade Notes

- BIO 202: Human Anatomy and Physiology II (SG) 4 C
- HSC 310: Health Communication 3 C
- Upper Division Experiential Learning Course 3 C
- Upper Division Elective 3 C
- Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).
- Minimum 3.00 GPA ASU Cumulative.

Term hours subtotal: 16

Term 7 90 - 105 Credit Hours Necessary course signified by ★ Hours Minimum Grade Notes

- HCD 303: Global Health Care Systems (G) 3 C
- MED 300: Historical and Contemporary Issues in Health (L) 3 C
- Complete 2 courses: Upper Division Medical Studies Breadth Elective 6 C
- Elective 3 C
- Minimum 3.00 GPA ASU Cumulative.

Term hours subtotal: 15

Term 8 105 - 120 Credit Hours Necessary course signified by ★ Hours Minimum Grade Notes

- HCD 330: Health Care Systems in the U.S. 3 C
- MED 450: Leadership and Professionalism 3 C
- Upper Division Humanities, Arts and Design (HU) 3 C

If your track requires more than three courses, extra courses will be taken in place of the elective.
- Complete an in person or virtual practice interview.
- Continue gaining hands on experience.
Students in the MD track who plan to apply to University of Arizona Medical School in Tucson must complete an upper division course in Cell Biology, Histology, Microbiology, Pathology, or Immunobiology as well as an upper division course in Molecular Biology. This means that at least one of the upper division electives should come from the courses in the Medical Breadth Electives.

<table>
<thead>
<tr>
<th>Occupational Therapy Professional Track</th>
<th>Pharmacy Professional Track</th>
<th>Medicine (MD/DO) Professional Track</th>
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<tbody>
<tr>
<td>CHS 260: Health Professions Terminology</td>
<td>COM 225: Public Speaking (L)</td>
<td>BIO 340: General Genetics</td>
</tr>
<tr>
<td>PSY 341: Developmental Psychology (SB)</td>
<td>MAT 251: Calculus for Life Sciences (MA)</td>
<td>MIC 205: Microbiology (SG) AND MIC 206: Microbiology Laboratory (SG)</td>
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<tr>
<td>PSY 366: Abnormal Psychology (SB)</td>
<td>MIC 205: Microbiology (SG) AND MIC 206: Microbiology Laboratory (SG)</td>
<td>PHY 111: General Physics (SQ) AND PHY 113: General Physics Laboratory (SQ)</td>
</tr>
<tr>
<td>SOC 400: Perspectives on Aging (SB) or</td>
<td>PHY 111: General Physics (SQ) AND PHY 113: General Physics Laboratory (SQ)</td>
<td>PHY 112: General Physics (SQ) AND PHY 114: General Physics Laboratory (SQ)</td>
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<tr>
<td>SOC 410: Race, Medicine, and the Body (L) or SOC 418: Aging and the Life Course (SB &amp; H) or SOC 424: Women and Health (SB) or SOC 426: Social Inequality (SB) or SOC 427: Sociology of Health and Illness (SB)</td>
<td>PHY 112: General Physics (SQ) AND PHY 114: General Physics Laboratory (SQ)</td>
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<tr>
<th>Optometry Professional Track</th>
<th>Dentistry Professional Track</th>
<th>Experiential Learning Course</th>
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<tbody>
<tr>
<td>MAT 251: Calculus for Life Sciences (MA)</td>
<td>PHY 111: General Physics (SQ) AND PHY 113: General Physics Laboratory (SQ)</td>
<td>CHS 484: Translational Research</td>
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<tr>
<td>MIC 205: Microbiology (SG) AND MIC 206: Microbiology Laboratory (SG)</td>
<td>PHY 112: General Physics (SQ) AND PHY 114: General Physics Laboratory (SQ)</td>
<td>CHS 493: Honors Thesis (L)</td>
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<tr>
<td>PHY 111: General Physics (SQ) AND PHY 113: General Physics Laboratory (SQ)</td>
<td>MIC 205: Microbiology (SG)</td>
<td>CHS 494: Undergraduate Research</td>
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<tr>
<td>PHY 112: General Physics (SQ) AND PHY 114: General Physics Laboratory (SQ)</td>
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<td>HSC 484: Internship</td>
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<thead>
<tr>
<th>Physician Assistant (PA) Professional Track</th>
<th>Medical Studies Breadth Electives</th>
<th>Integrative Health (ND/NMD/DC) Professional Track</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHS 260: Health Professions Terminology</td>
<td>BIO 353: Cell Biology</td>
<td>HSC 300: Complementary Health Care</td>
</tr>
<tr>
<td>MIC 205: Microbiology (SG)</td>
<td>BIO 355: Introduction to Computational Molecular Biology (CS)</td>
<td>MIC 205: Microbiology (SG) AND MIC 206: Microbiology Laboratory (SG)</td>
</tr>
<tr>
<td>MIC 206: Microbiology Laboratory (SG)</td>
<td>BIO 360: Animal Physiology</td>
<td>PSY 341: Developmental Psychology (SB)</td>
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<td>BIO 420: Immunology: Molecular and Cellular Foundations</td>
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<td>BIO 475: Advanced Human Anatomy</td>
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<td>BMI 332: Team Dynamics for Healthcare IT Projects</td>
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<td>BMI 404: Clinical Environments</td>
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<td>CHS 340: Health Theory</td>
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Notes:

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU’s first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.
- Students interested in applying to Physical Therapy graduate programs should major in Kinesiology.

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)
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 2021 - 2022 academic year.