### Pre-Health Degrees

Students who wish to gain admission to professional school (i.e. medical, dental, physician assistant, physical therapy, occupational therapy, chiropractic, veterinary, etc.) may complete any bachelor's degree, however must take several science prerequisites. Below are degrees within the College of Health Solutions that include many of these science courses, as well as other health and health care related courses.

*Pre-Health Advising is available at the Downtown Phoenix campus.*

[https://chs.asu.edu/prehealth](https://chs.asu.edu/prehealth)

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| **B.S. Medical Studies** | Integrates natural sciences, social sciences, and health care courses to prepare students for the new 2015 MCAT and professional school. Includes optional 6 credit internship. Developed by Dr. Keith Lindor, CHS Dean and former Dean of Mayo Medical School. | Pathway to professional school (medical school, osteopathic medical school, naturopathic medical school) or entry level careers in health care. | Calculus I | 10-13 sciences:  
General Biology 1 & 2  
General Chemistry 1 & 2  
Organic Chemistry 1 & 2  
General Physics 1 & 2  
Biochemistry  
General Genetics  
3 Optional science electives |
| **B.S. Health Sciences (Pre-Professional)** | Integrates most commonly required natural science courses required for professional school. Additional course work in communication, ethics, health sciences research, health & wellness, U.S. health care systems, and global health care systems. Includes 3 credit internship. | Pathway to professional school (medical, dental, osteopathic, physician assistant, pharmacy, optometry, veterinary), pharmaceutical sales, medical device sales, or health sciences research. | Calculus I | 13 sciences:  
General Biology 1 & 2  
General Chemistry 1 & 2  
Organic Chemistry 1 & 2  
Anatomy & Physiology 1 & 2  
General Physics 1 & 2  
General Genetics  
Microbiology  
Biochemistry |
| **B.S. Kinesiology** | Study of human movement as it relates to physical activity, health, disease prevention, and exercise. Includes 3 credit internship. A.T. Still university reserves 7 seats in Doctor of Physical Therapy (D.P.T.) for ASU Kinesiology graduates. | Pathway to professional school (physical therapy, occupational therapy, medical, dental, chiropractic) or graduate school (exercise physiology). | Calculus I | 8 sciences:  
General Biology 1 & 2  
General Chemistry 1 & 2  
Anatomy & Physiology 1 & 2  
General Physics 1 & 2 |
| **B.S. Nutrition (Human Nutrition)** | Provides a strong foundation in nutrition and natural sciences. This program educates future health professionals about how the body metabolizes food and nutrients. | Pathway to professional school (medical, dental, naturopathic medicine, physician assistant), nutrition research, or graduate programs in nutrition. | Pre-Calculus | 9 sciences:  
General Biology 1 & 2  
General Chemistry 1 & 2  
Elementary Organic Chemistry  
Anatomy & Physiology 1 & 2  
Microbiology  
Biochemistry |
# Nutrition & Health Promotion degrees

For students who are interested in working with individuals or groups of varying ages and levels of health to promote health and wellness.

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| B.S. Exercise & Wellness      | Provides students with the knowledge and skills necessary to assist individuals across the lifespan in adopting exercise, physical activity, and other healthy behaviors that lead to increased fitness, wellness, and optimal health. Includes 6 credit (270 hour) internship. A.T. Still university reserves 7 seats in Doctor of Physical Therapy for ASU Exercise & Wellness graduates. | Career opportunities as personal trainer, fitness program director, sports performance coach, corporate fitness director, clinical exercise specialist, or tactical fitness specialist. Pathway to professional school (physical therapy, occupational therapy) or graduate school (athletic training, exercise physiology) if required prerequisites are added. | College Algebra                  | 3 sciences: Intro to Chemistry (or General Chemistry 1)  
Anatomy & Physiology 1 & 2  
Additional sciences required for PT school:  
General Chemistry 2  
General Biology 1 & 2  
General Physics 1 & 2 |
| B.S. Health Education & Health Promotion | Provides students with training and prerequisites to become a certified health education specialist (CHES certification). Health educators first assess individual and community health needs, then design, implement, administer, and evaluate effective health promotion programs. Includes 6 credit (270 hour) internship. | Career opportunities as community health educator, school health educator, or corporate wellness director. Community health educators administer health promotion programs in work site, community, health care, nonprofit, school, and agency settings. | College Algebra                  | 3 sciences: Intro to Chemistry (or General Chemistry 1)  
Anatomy & Physiology 1 & 2 |
| B.S. Health Sciences          | Provides students with training and prerequisites to become a Certified Health and Wellness Coach and qualify for the National Consortium for Credentialing Health & Wellness Coaches (NCCHWC) Certification Exam. Students develop a strong background in preventative health care by taking courses in nutrition, exercise and wellness, and health sciences. | Career opportunities as health coach, wellness coach, worksite wellness coach, or corporate wellness director. A health coach works with individuals to develop health and wellness goals in order to sustain healthy behaviors and improve overall health. | College Mathematics              | 3 sciences: Intro to Chemistry (or General Chemistry 1)  
Anatomy & Physiology 1 & 2 |
| B.S. Nutrition (Dietetics)    | Provides students with the required course work and skill set to apply for a dietetic internship. After graduating from ASU and completing a 9-12 month dietetic internship at a health care facility or nonprofit, a student may sit for the national registration exam to become a registered dietitian (RD), which is a food and nutrition expert. | Career opportunities as registered dietitian (RD) (requires completion of dietetic internship and passing registration exam) or dietetic technician, registered (DTR) (requires passing national exam). | College Mathematics              | 6 sciences: Intro to Chemistry (or General Chemistry 1)  
Anatomy & Physiology 1 & 2  
Elementary Organic Chem. Microbiology  
Biochemistry |
<p>| B.S. Nutrition (Food &amp; Nutrition Management) | Provides students with an understanding of the food industry and the ability to apply nutrition principles to food production. Students take course work in nutrition, management, marketing, finance, &amp; economics. | Career opportunities as food service managers and directors at schools, health care facilities, restaurants, resorts, country clubs, and corporate food service operations. | College Mathematics              | 2 sciences: Intro to Chemistry Microbiology |</p>
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<td>B.S. Nutrition (Food &amp; Tourism Management)</td>
<td>Provides students with foundational knowledge of nutrition, management, and the tourism industry. Students gain skills to develop, implement, and sustain healthy, cost-effective food service operations in settings that cater to tourists and business visitors.</td>
<td>Career opportunities as food service managers and directors at resorts, federal and state parks, convention centers, entertainment venues, restaurants, country clubs, and other tourism venues.</td>
<td>College Mathematics</td>
<td>2 sciences: Intro to Chemistry Microbiology</td>
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<tr>
<td>B.S. Nutrition (Nutrition Communication)</td>
<td>Designed to help students become experts in communicating health and nutrition content to the public. Goal of the program is to bridge the gap between the general public and the very scientific research being done in the field of nutrition. Curriculum was developed with ASU’s Walter Cronkite School of Journalism &amp; Mass Communication.</td>
<td>Career opportunities as writer, editor, or reporter for various media outlets (newspapers, magazines, blogs, television, radio). Students may also work for food and nutrition companies in various roles (public relations, social media, sales, or marketing and communication).</td>
<td>College Mathematics</td>
<td>3 sciences: Intro to Chemistry (or General Chemistry 1) Anatomy &amp; Physiology 1 &amp; 2</td>
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<tr>
<td>B.S. Public Health</td>
<td>For students interested in population health rather than individual health. The public health field focuses on preventing disease and injury by promoting healthy lifestyles. Public Health organizations implement educational programs, develop policies, administer services, conduct research, and regulate health systems to achieve these goals.</td>
<td>Prepares students for positions in public health departments (city, county, state, national, and international levels), public health organizations (Centers for Disease Control and Prevention, World Health Organization, etc.), and health care agencies. Pathway to graduate school (public health or health administration) and professional school.</td>
<td>Calculus 1</td>
<td>7 sciences: General Biology 1 &amp; 2 General Chemistry 1 &amp; 2 Anatomy &amp; Physiology 1 &amp; 2 Microbiology</td>
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**Health Care Administration & Policy degree**

Are you looking to make a difference in the global health care crisis? CHS is committed to improvements in health outcomes by expanding patient access to highly skilled health professionals that is cost-effective and sustainable.

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<td>B.S. Science of Health Care Delivery</td>
<td>Health care administration and policy degree emphasizing the importance of improving health care delivery systems. Program is focused on improving the quality of care patients receive while decreasing overall costs of health care. Graduates are ready to tackle current issues facing U.S. and global health care systems and implement change to improve health outcomes.</td>
<td>Career opportunities in health care management and leadership, health services research, process management, or health administration &amp; quality improvement. Students are prepared to become innovative leaders in health care administration and policy. Pathway to graduate school (health administration).</td>
<td>Brief Calculus</td>
<td>2 sciences: Natural Science-Quantitative Natural Science-General</td>
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## Tempe degrees

The Department of Biomedical Informatics and the Department of Speech and Hearing Science within the College of Health Solutions both offer one bachelor’s degree located at ASU’s Tempe campus.

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<td>B.S. Biomedical Informatics</td>
<td>BMI is a field recognized as increasingly essential to the advancement of the health care industry. BMI professionals are able to analyze and translate large amounts of health data, including research, into meaningful solutions that improve health care delivery and patient outcomes. This program integrates course work in biology, computer science, and health care systems.</td>
<td>Career opportunities as clinical systems analyst, health information technology (HIT) specialist, population health analyst, quality improvement analyst, software developer, application developer, medical informatics specialist, systems designer, project manager, or data analyst.</td>
<td>Calculus 1</td>
<td>4 sciences: General Biology 1 &amp; 2 General Chemistry 1 General Genetics</td>
</tr>
<tr>
<td>B.S. Speech &amp; Hearing Science</td>
<td>Students study normal aspects of the communication process and gain broad knowledge of speech, language, and hearing sciences. Option to add on the Speech-Language Pathology Assistant certificate.</td>
<td>Pathway to graduate school (speech-language pathology or audiology). Students who add on the SLPA certificate are prepared to become a speech-language pathology assistant.</td>
<td>Pre-Calculus</td>
<td>2 sciences: Anatomy &amp; Physiology 1 Intro to Physics</td>
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## Transfer Specific degrees

The AAS to BAS transfer pathway program allows students who have an Associate of Applied Science (AAS) from a regionally accredited community college to transfer their degree as a block of credit in to a Bachelor of Applied Science (BAS) degree.

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<td>B.A.S. Food Service Management</td>
<td>Designed to complement an AAS degree in culinary science or hospitality management. Students who complete the AGEC (Arizona General Education Curriculum) are able to transfer up to 75 credits.</td>
<td>Students are prepared for advanced positions in the field they are already working in (or plan to work in) based on training acquired from their AAS degree.</td>
<td>College Mathematics</td>
<td>2 sciences: Natural Science-Quantitative Natural Science-General</td>
</tr>
<tr>
<td>B.A.S. Health Sciences</td>
<td>Designed to complement an allied health, health care administration, or other health related AAS degree. Students who complete the AGEC (Arizona General Education Curriculum) are able to transfer up to 75 credits.</td>
<td>Students are prepared for advanced positions in the field they are already working in (or plan to work in) based on training acquired from their AAS degree.</td>
<td>College Mathematics</td>
<td>2 sciences: Natural Science-Quantitative Natural Science-General</td>
</tr>
<tr>
<td>B.A.S. Medical Laboratory Science</td>
<td>This degree is a unique partnership between Phoenix College and ASU. Students complete an AAS in Medical Laboratory Science through Phoenix College and a BAS in Medical Laboratory Science through ASU. All course work is offered at Phoenix College with some courses taught in a hybrid format or offered online.</td>
<td>Medical laboratory scientists are highly skilled professionals who perform analytical tests on blood, tissue, and body fluids in order to provide laboratory information for the detection, diagnosis, and treatment of human diseases.</td>
<td>College Mathematics</td>
<td>7 sciences: General Biology 1 &amp; 2 General Chemistry 1 &amp; 2 Elementary Organic Chem. Microbiology Intro to Anatomy &amp; Physiology (or Anatomy &amp; Physiology 1)</td>
</tr>
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