

Master of Science in science of health care delivery

The nine-month, first-of-its-kind MS in science of health care delivery program builds the knowledge and competencies needed to manage patient-centered, safe and cost-effective health care systems.

Take classes with a small cohort of students throughout the program, guided by faculty who are immersed in the latest leading-edge research. Gain a competitive edge for your professional school application.

Learn through a curriculum focused on high-value care, leadership and management, population health, systems engineering, health economics and policy. In less than a year, you can enhance your professional and medical school applications or be prepared to improve the health care system immediately as a health professional.

“The **science of health care delivery** program prepared me with fundamental knowledge all physicians should have. Not only did the master's degree make my application to medical school more competitive, but I also have a better understanding of the health care context in which I will be practicing.”

Erinn Riley, MS science of health care delivery '14
Creighton University School of Medicine



Advance high-value,
patient-centered
health care.

1st

program of its kind in the nation

ASU is the

#1

producer of students

accepted to the University of Arizona
College of Medicine – Phoenix.

University of Arizona College of Medicine – Phoenix

ASU is among the

best

graduate schools
in the U.S.

U.S. News & World Report, 2022

#1



in the U.S. for innovation

ASU ahead of MIT and Stanford

– U.S. News & World Report

7 years, 2016–2022

MS in science of health care delivery curriculum

Prepare for a career innovating how people and populations connect to health care by studying with an intimate cohort under the guidance of research-focused faculty, culminating in a capstone project.

Required core

HCD 602 Health Informatics for Future Health Care Professionals

Discover the field of health informatics, combining perspectives from medicine and computer science.

HCD 501 Biostatistics and Data Management

Learn about statistical tools and principles for health-related research.

HCD 502 Health Care Systems and Design

Examine direct health care delivery structures and processes within and across health care settings, as well as their impact on the patient, family and community.

HCD 511 Health Economics, Policy and Payment Models

Explore health care economics and the application to important decisions made by stakeholders. Follow a family through a progressive case study to evaluate how incentives and information affect the health care of each family member.

HCD 520 Population Health

Study population health within a framework of health care delivery, public health, health promotion and prevention, health policy and community programs.

HCD 532 Health Care Management and Finance

Get a comprehensive overview of management concepts and principles with a focus on developing individual management skills. Build competency in health care finance.

HCD 570 Process Engineering

Master process engineering and Lean Six Sigma, a methodology for performance improvement, as it applies to quality and process development in health care.

HCD 575 Leadership and Professionalism

Identify characteristics of successful leaders in health and health care, develop competence and confidence in creativity and innovation, and learn ways to implement meaningful change in the dynamic health care environment.

Electives

Explore topics like high-valued, patient-centered care and health promotion.

Research

Take time to practically apply what you've learned through your own research.

The capstone project experience

You will get hands-on experience applying your newfound skills and knowledge to a real health care problem with an in-depth capstone project. Health services organizations, including hospitals, clinics, state legislative officials and nonprofits, partner with our college to give students the opportunity to benefit health care quality, safety and service through their projects.

Over the course of three quarters, students receive guidance from a faculty member and an on-site professional mentor. Many online students work on their capstone project at their places of employment. Students not yet employed in the health care sector will work with faculty to find a project that helps them accomplish their professional goals. Your capstone project will not only challenge you intellectually, but also help you develop the skills and valued connections that can lead to future employment in your chosen profession.

The **College of Health Solutions** at Arizona State University translates scientific health research and discovery into practice. Its programs **prepare students to address the challenges facing our populations to stay healthy, improve their health, and manage chronic disease** — all toward improving health outcomes.