

Mayo Clinic and Arizona State University Alliance for Health Care

Dual-degree program: MD/MAS

Health informatics



Training physicians of the future in the intellectual disciplines and practices of medicine and technology

Physicians of the future are not only doctors, but also economists, administrators and problem solvers working toward the common goal of improving patient care. Answering the nation's need to transform medical school education, Mayo Clinic School of Medicine and Arizona State University's Department of Biomedical Informatics have created the new MD/MAS dual-degree program.

ASU's Master of Advanced Study in health informatics, offered online through the Department of Biomedical Informatics, is designed to offer an opportunity to earn a master's level degree in the effective use of information technology, data science and knowledge representation to impact health and health care.

Clinical informaticians' work includes a broad range of improvements to patient care, such as enhancing electronic health records systems, clinical decision support, data interpretation, knowledge management and its effective delivery, and human computer interaction. This field requires close collaboration among clinicians, biomedical and computational scientists, knowledge management professionals, educators and health care consumers.

Curriculum overview

This dynamic curriculum was developed through consultation with Mayo Clinic clinical informatics physicians and is taught by expert faculty from the ASU Department of Biomedical Informatics and industry experts in the field. The curriculum includes four required core courses, five elective courses and an applied project. Fewer required courses allow students to customize their learning experience. The unique and important electives include courses such as workflow analytics and redesign, population health management and analytics, knowledge management, and human factors engineering.

"The glory of medicine is that it is constantly moving forward, that there is always more to learn."

— William J. Mayo, M.D.

Mayo Clinic is a leading U.S. medical school for research

— U.S. News & World Report, 2018

#1 in the U.S. fastest-growing research university

with \$100 million+ in annual research expenditures

ahead of Harvard, Yale and Duke

— NSF Higher Education Research and Development Survey, 2015



mayo.asu.edu/dualdegrees

Dual-degree program: MD/MAS

Health informatics



Degree requirements

The MAS degree requires 30 total credits, 27 of which will be taken at ASU, with the remaining three credits for an applied project that is part of Mayo Clinic School of Medicine MD requirements.

Admission

Dual-degree program students will apply to ASU Graduate Admission Services for admission to the online MAS in health informatics degree during the spring semester of their second year in the Mayo Clinic School of Medicine MD program. If admitted, students will take time off from their medical course of study and begin the MAS program in the fall of their third year in the dual-degree program. Students will return to complete the remainder of their program of study toward their MD degree in year four.

All students are required to meet general university admission requirements. No GRE entrance exam is required for admission to the MAS in health informatics.

Full-time 2018	Tuition and fees*
ASU Online MAS	\$20,688
Dual-degree MD/MAS	\$12,288

*Technology, financial aid trust and other mandatory university fees may apply.

#1 in the U.S. for innovation

#1 ASU #2 Stanford #3 MIT

— U.S. News & World Report 2016, 2017 and 2018



FAQs

Why should I pursue a dual degree in health informatics?

The dynamic health technology industry is evolving rapidly and is a key component for value-based care and innovations in health. This expertise can position one for leadership roles in future technology advancements that drive the industry and health care.

How does the program work?

Students will complete the first two years with Mayo Clinic School of Medicine. The third year of study in the dual MD/MAS degree will be focused on health informatics. The MAS is offered entirely online in a 7 1/2-week format through state-of-the-art delivery. Upon completion of the health informatics course work, students will return to their MD studies to complete both degrees.

Whom should I contact for information?

Maria Hanlin, MA

International School of Biomedical Diagnostics
College of Health Solutions
Arizona State University
maria.hanlin@asu.edu
480-884-0234

All Mayo Clinic students and staff must indicate their intention to apply for this program to:

Bella Panchmatia, MS, RN

Operations Manager, Mayo School of Health Sciences Education Enrichment and Innovation, Mayo Clinic College of Medicine and Science
panchmatia.bella@mayo.edu