

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 Alix 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 informaticists' 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.

**#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



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Degree requirements

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

#1 in the U.S. for innovation

ASU ahead of MIT and Stanford

—U.S. News & World Report, 6 years, 2016–2021



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 students 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 the Mayo Clinic Alix 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 health informatics coursework, students will return to their MD studies to complete both degrees.

Whom should I contact for information?

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

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