



Master of Science in Healthcare Analytics and Intelligence

Creating competitive advantages with healthcare analytics

The **Master of Science degree in Healthcare Analytics and Intelligence** is a 36 credit-hour degree program designed to prepare professionals with business knowledge and analytical skills to create data-driven solutions for complex problems in the health care system.

The program customizes a business-oriented and analytics based curriculum and welcomes applicants who are data-savvy with a strong desire to pursue analytical roles in the healthcare industry. It prepares business leaders who not only understand the healthcare context but also are capable of utilizing analytical skillsets to lead a new path for operational excellence.

Upon graduation, students can pursue a variety of analytical positions for care providers in the healthcare delivery systems and their extended supply chains.

business.rutgers.edu/healthcare-analytics-intelligence

Curriculum

The **Master of Science in Healthcare Analytics and Intelligence** curriculum comprises 36 credits and can be taken on a full-time or part-time basis or fast-tracked to finish in just one year. Hybrid inperson and online courses and evening classes allow great flexibility for busy schedules. The program blends quantitative and analytical skills in its core curriculum, and builds graduate-level business acumen in finance, marketing, management, all tailored towards healthcare around the core.



Faculty Profile: Xin (David) Ding



Professor Ding is an Assistant Professor in the Supply Chain Management Department and the Director of the MS in Healthcare Analytics and Intelligence program. His research and teaching

experiences include cost efficiency, quality improvement, patient experience, and patient safety. He has worked on research projects with Centers for Medicare and Medicaid Services, Agency for Healthcare Research and Quality, and Florida Hospital Association.

Program Highlights

- Learn data analytics so it's meaningful, especially in the context of health care.
- Principles of value-based care are built into every course.
- Maximize operational analysis knowledge with business leadership skills
- Gain hands-on learning experience with actual healthcare providers
- Take classes online or in person; earn up to six credits for work experience.



Sample Curriculum

Healthcare Core:

- Healthcare finance
- Healthcare marketing
- Healthcare services management

Business Core:

- Lean six sigma
- Introduction to project management

Analytics & Intelligence Core*:

- Healthcare Analytics
- Business data management
- Healthcare operations analysis
- Data analysis and visualization
- Analytics for business intelligence
- Data analytics and decision making

Internship:

- Optional practical training
- Industry client project or internship

Electives**:

- Health disparity
- Machine learning
- Python methodologies
- Business communication
- Healthcare law and ethics
- Pharma purchase & supply chain management
- Healthcare innovation and technology management

*Analytics and intelligence consists of 12 credits

**Electives consist of 6 credits

Admissions

Professionals will benefit from a variety of healthcare delivery sector organizations. It is designed for individuals interested in managerial or executive careers in healthcare services organizations (hospitals, clinics, long term care providers, etc.), healthcare consulting firms, and companies in the extended healthcare supply chains.

Program Quick Facts

Program: Full-time | Part-time

Credits: 36 credits (12 courses)

Application Deadlines:

Domestic students: Spring: Jan 12 | Fall: Aug 1

International students: Spring: Oct 15 | Fall: May 1

GRE or GMAT: Requests for GMAT/GRE waivers will be considered by the program director on a case by case basis.

Course waiver: Up to six credits can be waived based on prior graduate level course work or at least 5 years' related working experience.

Program Costs based on 2019-2020 Tuition Rates*

(*additional university fees may apply):

Full Time: (12 credits/semester)

\$13,852 per semester (NJ Resident/semester)

\$24,048 per semester (Out of state/semester)

Part Time:

\$1,155 per credit (NJ Resident)

\$2,004 per credit (Out of state)

How to Apply

Apply online:

business.rutgers.edu/healthcare-analytics-intelligence/admissions

Please visit business.rutgers.edu to learn about upcoming information sessions and open houses.

Contact

"I chose this program because Rutgers is a top leading business school, and this program not only combined hospital management, but incorporates the whole healthcare sector."

– Dr. Ahmar Mehmood,
NY Interventional Spine & Pain Medicine

