



Rutgers Business School

Master of Science in Healthcare Analytics and Intelligence

Complete in 1 year, transform your career and organization

With increasing challenges of surging costs, growing competition, and stringent regulation, the healthcare industry is in need of leaders who not only understand the healthcare context but also are capable of utilizing analytical skillsets to lead a new path for operational excellence. The **Master of Science in Healthcare Analytics and Intelligence** program is designed for professionals who are interested in gaining competitive advantages by applying various analytical tools to create data-driven solutions for complex problems in the health care system. Ranked **#2 Best On-Campus Master's in Healthcare Analytics programs** (*AnalyticsDegrees.org*, 2024), this STEM-designated program will give you the tools, insight and expertise you need to be a successful analytical professional in the healthcare industry.

Students have been hired as business analyst, operations analyst, manager, and consultant by pharmaceutical companies of AstraZeneca and Bristol Myers Squibb, healthcare systems such as Atlantic Health System and RWJBH, health insurance companies including United Health and Optum, and health marketing companies such as Ti Health and Medidata.

business.rutgers.edu/healthcare-analytics-intelligence

Curriculum

A multidisciplinary and innovative program, this is a business-oriented and analytics-based master curriculum applied to the healthcare services sector. The program blends quantitative and analytical skills in its core curriculum, and builds graduate-level business acumen in finance, marketing, management, all tailored towards preparing you to tackle current healthcare issues. The 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 in-person and online courses and evening classes allow great flexibility for busy schedules.

Faculty Profile: David Dreyfus



Professor Dreyfus is an Associate Professor in the Supply Chain Management Department and the Director of the MS in Healthcare Analytics and Intelligence program. He teaches the MBA Operations Analysis and the Executive MBA Business Statistics (Singapore) courses. His research focus is on healthcare operations, population health, teams, disruptions, and risk.

As an academic, he has sat in on more than 100 surgeries in the operating rooms of a major teaching hospital, published in *Production and Operations Management*, the *International Journal of Medical Informatics*, and the *International Journal of Operations and Production Management*, among others, and has presented his research at numerous conferences.

Prior to his doctoral studies, he worked in a healthcare clinic, performed a process improvement project in a major emergency room department, and worked within the Business Intelligence department of Volvo Construction Equipment, N.A.



Classes are held at
100 Rockefeller Rd in
New Brunswick

Sampling of Courses

Healthcare Core:

- Healthcare Finance
- Healthcare Services Management
- US Healthcare Systems & Managed Markets

Business Core:

- Lean Six Sigma
- Introduction to Project Management

Analytics & Intelligence Core:

- Data Analytics and Decision Making
- Business Data Management
- Data Analysis and Visualization
- Operations Analysis
- Healthcare Analytics

Internship:

- Optional Practical Training
- Industry Client Project

Electives:

- Machine Learning
- Artificial Intelligence for Supply Chain Management
- Health Disparities
- Python Methodologies
- Business Intelligence for Supply Chains and Marketing
- Analytics for Business Intelligence
- Business Analytics Programming
- Supply Chain Management Strategies
- Organizational Behavior
- Pharma Marketing Research
- Market Access & Reimbursements for Drugs
- Ethics in Pharma
- Community Assessment for Healthcare Administrators
- Marketing for Health Care Organizations

Program Quick Facts

Program: Full-time | Part-time

Format: Hybrid

Credits: 36 credits (12 courses)

For current application deadlines and tuition information, please visit our website:

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

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

Phone: 973-353-1234

Email: mshai@business.rutgers.edu

“The future of healthcare is data driven and the program at Rutgers Business School empowers you with both analytics and business management.”

– Dr. Ahmar Mehmood,
Faculty practice manager at Columbia University, New York City



Our program trains professionals competent in addressing challenges in the health care systems.



Admissions

The cutting edge curriculum trains students to analyze operational, financial, and clinical data with analytical and programming tools, to provide data-driven decision support through artificial intelligence and business intelligence packages, and to interpret and visualize the results in meaningful ways. We welcome applicants from the healthcare industry who want to become more data-savvy and those who are data-savvy with a strong desire to pursue analytical roles in the healthcare industry.

