

MASTER OF SCIENCE IN INFORMATICS

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The Master's in Informatics program at Quinnipiac University offers a dynamic curriculum designed to equip students with advanced skills in leveraging technology to address complex challenges across various industries. With a blend of theoretical foundations and hands-on practical experience, students delve into areas such as data management, information systems, security and privacy, and emerging technologies.

Through interdisciplinary coursework, students develop proficiency in data analysis, computing, ethical paradigms, and information security. They explore cutting-edge topics including artificial intelligence, machine learning, and cybersecurity, gaining insights into how these innovations can be applied to real-world problems.

The program emphasizes critical thinking, problem-solving, and ethical decision-making, preparing graduates to navigate the rapidly evolving landscape of technology and informatics. Whether pursuing careers in healthcare, law, data analytics, finance, government, or beyond, graduates emerge as versatile professionals capable of driving innovation and making meaningful contributions to their fields.

With access to industry-experienced faculty, state-of-the-art facilities, and opportunities for research and internships, the Master's in Informatics program provides a solid foundation for success in the digital age. Graduates emerge ready to tackle complex challenges, lead teams, and shape the future of technology-enabled innovation.

Master of Science in Informatics Program of Study

The MS in Informatics is 30 credits. Choose from one of three tracks: Health Informatics, Data Informatics, or Legal Informatics. Each track contains an 18-credit core of computing and emphasis courses and 12 credits of elective courses.

Health Informatics Track

Code	Title	Credits
Core Computing		
INF 605	Intro to Programming-Python	3
INF 606	Database Systems	3
INF 607	Introduction to Cybersecurity	3
Core Emphasis		
INF 620	Introduction to Health Informatics	3
INF 621	Ethical and Legal Issues in Healthcare Informatics	3
INF 622	Controlled Medical Terminology	3
Electives		12
Total Credits		30

Data Informatics Track

Code	Title	Credits
Core Computing		
INF 605	Intro to Programming-Python	3

INF 606	Database Systems	3
INF 607	Introduction to Cybersecurity	3
Core Emphasis		
INF 651	Big Data Management	3
INF 652	Data Mining	3
INF 653	Machine Learning	3
Electives		12
Total Credits		30

Legal Informatics Track

Code	Title	Credits
Core Computing		
INF 605	Intro to Programming-Python	3
INF 606	Database Systems	3
INF 607	Introduction to Cybersecurity	3
Core Emphasis		
INF 635	Introduction to Legal Informatics & Ethics	2
INF 636	Legal Research	1
INF 637	Cybersecurity Law	3
INF 638	Law Practice Management	3
Electives		12
Total Credits		30

Elective Courses

Code	Title	Credits
INF 651	Big Data Management	3
INF 652	Data Mining	3
INF 653	Machine Learning	3
INF 680	Foundations of Epidemiology and Public Health	3
INF 681	Healthcare Organization and Delivery	3
INF 682	Health Information Standards & Interoperability	3
INF 683	The Design, Implementation, and Evaluation of EHR Systems	3
INF 684	Disease Processes & Systems	3
INF 656	Applied Time Series Analysis	3
INF 658	Data-Driven Decision Making	3
INF 659	Probability & Data Analysis	3
INF 670	Generative AI for Informatics	3
INF 691	Information E-Discovery and Digital Evidence	3
INF 693	Litigation and Courtroom Technologies	3
INF 695	Legal Analytics	1
INF 673	MS Thesis	3
INF 674	MS Thesis II	3
INF 676	Internship Credit	1-3

Admissions

To qualify for admission into the MS Informatics program, a student must have completed a bachelor's degree from a regionally accredited institution. A complete application consists of the following:

1. Application form and fee
2. A letter of intent including an autobiographical account of personal, professional and educational achievements
3. One letter of recommendation
4. Official transcripts of all undergraduate and graduate work completed
5. TOEFL/IELTS scores (if the medium of instruction for the undergraduate degree is not English)

A cumulative undergraduate GPA of 3.00 is preferred. Although Graduate Record Examination (GRE) scores are not required, the scores can provide another indication of a student's academic readiness. Applicants should refer to the Graduate Admission Requirements (<http://catalog.qu.edu/graduate-studies/#admissiontext>) found in this catalog.