

Curriculum effective Fall 2021

Rev. November 2025

Nursing Informatics MSN Program

The Informatics Master Degree in Nursing is an online program. Upon program completion, graduates are eligible to take the Informatics Nursing Certification Examination through American Nurses Credentialing Center (ANCC).

Role and Qualifications: Graduates of the Informatics MSN specialty have advanced preparation in nursing information systems. Nursing informatics (NI) is the specialty that integrates nursing science with multiple information management and analytical sciences to identify, define, manage, and communicate data, information, knowledge, and wisdom in nursing practice. NI supports nurses, consumers, patients, the interprofessional healthcare team, and other stakeholders in their decision making in all roles and settings to achieve desired outcomes. This support is accomplished through the use of information structures, information processes, and information technology [ANA. (2014). Nursing Informatics: Scope and standards of practice. Washington DC: Author]

Scope of Practice: The Nursing Informatics Specialist improves the health of populations, communities, families, and individuals by optimizing information management and communication. This includes the use of technology in the direct provision of care, in establishing effective administrative systems, in managing and delivering educational experiences, in supporting life-long learning, and in supporting nursing research.

Curriculum: The coursework for the 37-credit Informatics MSN program can be completed completely online. An additional 225 clinical hours in person with an approved preceptor in New Jersey are required. The following are the required courses for the program.

Core Courses

Course #	Course Title	Cr. Hrs.	Clinical Hrs.
NURS 6060	Clinical Inquiry for Evidence-Based Practice	3	
NURS 6780	Healthcare Economics and Business Practices	3	
NURS 6930	Information Technology for Evidence-Based Practice	3	

Specialty Courses

Course #	Course Title	Cr. Hrs.	Clinical Hrs.
NINF 5110	Concepts of Nursing Informatics	3	
NINF 5210	Information Systems Principles	3	
NINF 5205	Nursing Databases Design, Development & Applications	3	
NINF 5301	Nursing Systems Developmental Lifecycle	4	45
NINF 5302	Consumers Healthcare Informatics	3	
NINF 5303	Informatics Project and Change Management	3	
NINF 5305	Nursing Informatics Practicum	3	90
NINF 5405	Advanced Practice in Nursing Informatics	3	90
NINF 5415	Seminar on Issues in Nursing Informatics	3	
Total Program Credits and Clinical Hours		37	225

The master's degree in nursing program at Rutgers School of Nursing is accredited by the Commission on Collegiate Nursing Education (www.aacn.nche.edu/ccne-accreditation).

