



Master of Science in Nursing: Nursing Informatics Program

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

Role and Qualifications: Graduates of the Informatics MSN program have advanced preparation in nursing informatics systems. Nursing informatics (NI) is the specialty that transforms data into needed information and leverages technologies to improve health and health care equity, safety, quality, and outcomes. 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.

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. The program also requires 500 practicum hours, which includes both in-person practicum and applied informatics hours. The following are the required courses for this program:

Core Courses:

Course #	Course Title	Credit Hrs.	Clinical Hrs.
NURS XXXX	Health Data, Informatics, and Technology	3.00	N/A
NURS XXXX	Epidemiology and Biostatistics for Evidence-Based Practice	3.00	N/A
NURS XXXX	Healthcare Delivery and Economics	3.00	N/A

Subtotal Core Credits: 9.00

Specialty Courses:

Course #	Course Title	Credit Hrs.	Clin. Hrs.
NINF XXXX	Concepts and Principles in Nursing Informatics	3.00	N/A
NINF XXXX	Artificial Intelligence in Nursing Informatics	3.00	35
NINF 5205	Nursing Databases Design, Development, & Application	3.00	45
NINF 5301	Systems Analysis and Design	4.00	90
NINF XXXX	Consumer and Population Health Informatics	3.00	30
NINF 5303	Informatics Project and Change Management	3.00	30
NINF 5305	Nursing Informatics Practicum	3.00	135
NINF 5405	Advanced Practice in Nursing Informatics	3.00	135
NINF 5415	Nursing Informatics Capstone	3.00	N/A

Subtotal Specialty Credits: 28.00

Total Program Credits:	37.00
Total Clinical Hours:	500 (minimum)

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).