NURSING INFORMATICS

The application of nursing informatics knowledge is empowering for all healthcare practitioners in achieving patient centered care.

Certification as an RN-BC is awarded and presented by ANCC Specialty Certification.

The persons best suited for this role are those interested in nursing, information, and computer science.

Nursing informatics (NI) is the specialty that integrates nursing science with multiple information and analytical sciences to identify, define, manage and communicate data, information, knowledge and wisdom in nursing practice (ANA, 2014). It can also be defined as the "science and practice (that) integrates nursing, its information and knowledge, with information and communication technologies to promote the health of people, families, and communities worldwide." (adapted from IMIA Special Interest Group on Nursing Informatics 2009).

Nurse informaticians work as developers of communication and information technologies, educators, researchers, chief nursing officers, chief information officers, software engineers, implementation consultants, policy developers, and business owners, to advance healthcare. Core areas of work include:

- Concept representation and standards to support evidence-based practice, research, and education
- Data and communication standards to build an interoperable national data infrastructure
- Research methodologies to disseminate new knowledge into practice
- Information presentation and retrieval approaches to support safe patient centered care
- Information and communication technologies to address interprofessional workflow needs across all care venues
- Vision and management for the development, design, and implementation of communication and information technology
- Definition of healthcare policy to advance the public’s health

This credential is valid for 5 years. You can continue to use this credential by maintaining your license to practice and meeting the renewal requirements in place at the time of your certification renewal. The Accreditation Board for Specialty Nursing Certification accredits this ANCC certification.