The School of Nursing offers a traditional Bachelor of Science, an Accelerated Bachelor of Science (ABSN), and a Direct Entry (BSN) to Master’s (MSN) for second-degree students in nursing designed to prepare students to become professional nurses by providing them with the knowledge, skills, and professional values needed for successful practice in a variety of healthcare settings. The school aims to provide all students—including those with diverse backgrounds and changing career goals—with a broad-based education that will foster ongoing personal and professional growth.

The mission of the Northeastern University School of Nursing is to educate students to provide evidence-based, culturally and linguistically competent, ethical healthcare that is high quality, safe, and accessible to diverse local, national, and global communities. Our programs seek to prepare students to become leaders as nurse clinicians, educators, scholars, and researchers.

Nursing is both a science-based profession and a caring art. The curriculum draws on basic and behavioral sciences, the arts and humanities, and the art and science of nursing to help students understand the complexities of health and illness across the life span.

**CLINICAL SETTINGS**

Clinical settings require student criminal background checks. Additionally, international students require curricular practical training (CPT) clearance to meet federal requirements for all clinical and co-op experiences. Please see Requirements for Clinical, Internships, and Practicum Courses (http://catalog.northeastern.edu/graduate/health-sciences/academic-policies-procedures/practicum-internship-policies) and Background Checks (http://catalog.northeastern.edu/graduate/health-sciences/academic-policies-procedures/background-checks) in this catalog for further details.

**Programs**

**Bachelor of Science in Nursing (BSN)**

- Nursing (http://catalog.northeastern.edu/undergraduate/health-sciences/nursing/bsn)
- Accelerated Program for Second-Degree Students (http://catalog.northeastern.edu/undergraduate/health-sciences/nursing/accelerated-second-degree-students-bsn)

**Courses**

**Nursing Courses**

Search NRSG Courses using FocusSearch (http://catalog.northeastern.edu/course-search/?subject=NRSG)

**NRSG 1000. College: An Introduction. 1 Hour.**

Provides an introduction to the University, college, and health professions to enhance students’ understanding of self and the decisions they make academically and socially as members of the University’s diverse, multicultural community. Group activities and individual assignments along with active participation in a learning community help students adjust to life on an urban campus, develop a better understanding of the learning process, acquire essential academic skills, and make connections with the faculty and students in the college.

**NRSG 1205. Wellness. 4 Hours.**

Explores the concept of wellness and examines behaviors and lifestyle choices that lead to a high level of physical, emotional, and spiritual well-being. Topics include health risk, behavioral change, lifestyle analysis, the life cycle, and stress management through self-analysis.

**NRSG 1990. Elective. 1-4 Hours.**

Offers elective credit for courses taken at other academic institutions. May be repeated without limit.

**NRSG 2000. Professional Development for Co-op. 1 Hour.**

Introduces the Bouvé Cooperative Education Program. Offers students an opportunity to develop job-search and career-management skills. Students perform assessments of their workplace skills, interests, and values and discuss how they impact personal career decisions. Offers students an opportunity to prepare a professional-style résumé, learn proper interviewing techniques, and gain an understanding of the opportunities available to them for co-op. Introduces career paths, choices, and career decision making. Familiarizes students with workplace issues relative to their field of study and presents the MyNEU COOL database in the job-search and referral process. Presents and discusses co-op policies, procedures, and expectations of the Bouvé Cooperative Education Program and co-op employers.

**NRSG 2001. Foundations of Professional Nursing Practice. 2 Hours.**

Introduces students to professional nursing practice. Offers students an opportunity to envision how nurses can shape the future of the profession while developing personal strategies for success. Students explore essential tools that professional nurses employ to meet healthcare delivery challenges and begin their journey toward establishing their professional identities as caregivers, scholars, and leaders.

**NRSG 2150. Ethical Healthcare: Genetics and Genomics. 4 Hours.**

Presents an overview of bioethics and, more specifically, the application of ethics including the implication of genetics/genomics in healthcare across the life span. Students apply the Code of Ethics for Nurses to case studies that address dilemmas in multiple settings with a diverse patient population. Considers issues related to biomedical, clinical, genetic/genomic, social, and legal aspects and integrates such considerations into ethical decision making. Offers students an opportunity to work as a team and be encouraged to respect alternative viewpoints to address realistic ethical dilemmas encountered in contemporary healthcare. Appropriate and relevant for all students interested in expanding their view and appreciation of health dilemmas.
NRSG 2210. Influences on Health and Illness: A Nursing Perspective. 3 Hours.
Offers a context within which students have an opportunity to begin to understand, develop, and nurture a professional nursing identity. Through situated learning within a model of whole-person care, the student may utilize clinical imagination and reasoning to explore culturally mediated behaviors and meanings that are ascribed to health and illness experiences across the life span. Empirical, personal, ethical, and aesthetic ways of knowing create a framework for personal reflection and reflexivity. Integrated learning strategies guide the beginning's study of communication and relationships with patients, families, and providers. Guiding course principles include foundations of the nursing profession, nursing self-care and well-being, compassionate care, social justice, and quality and safety.

NRSG 2220. Health Assessment and Fundamental Nursing Skills. 3 Hours.
Introduces the concepts of wellness and caring utilizing the nursing process as the framework for nursing practice. Outlines the ethnic, cultural, psychosocial, and developmental gender-specific and physical aspects of health in the context of client-centered care. Discusses the formulation of nursing diagnoses to describe client problems. Offers the learner an opportunity to acquire a range of beginning assessment techniques and nursing skills that support appropriate nursing care planning and interventions for clients. Explores nurses' engagement with therapeutic communication.

NRSG 2221. Lab for NRSG 2220. 1 Hour.
Designed to provide the foundation for students' mastery of beginning assessment techniques and nursing skills for future application in clinical settings and the delivery of safe care of clients. Develops assessment and intervention skills by supervised practice and student demonstration in the nursing laboratory. Provides additional opportunities for students to enhance their skills to provide quality care, to communicate effectively, and to develop critical thinking through simulated case studies.

NRSG 2312. Pathophysiology. 4 Hours.
Reviews human physiology related to oxygenation, nutrition, elimination, protective mechanisms, neurological function, endocrine function, and skin integrity. Explores how the human body uses its adaptive powers to maintain a steady state and how alterations affect normal processes. Examines disease process and implications for nursing practice.

NRSG 2350. Integrated Pathophysiology and Pharmaceutical Interventions for Nursing Practice. 6 Hours.
Provides the fundamentals of pharmacology and pathophysiology for nursing students. Focuses on the disruption of physiological processes that produce disease states and the use of drugs to prevent or ameliorate these disruptions. Discusses pathophysiologic concepts from a systems approach and includes alterations in cellular growth and proliferation and immune, cardiovascular, respiratory, gastrointestinal, genitourinary, integumentary, musculoskeletal, reproductive, neurological, hematologic, sensory, and endocrine function. Presents major drug classifications used to treat common medical disorders. Examines the indications, mechanism of action, drug metabolism, and adverse effects. Discusses the application of pharmacologic therapies as well as relevant nonpharmacologic interventions. Also considers the influence of genetics, environmental factors, and life span considerations.

NRSG 2990. Elective. 1-4 Hours.
Offers elective credit for courses taken at other academic institutions. May be repeated without limit.

NRSG 2991. Research in Nursing. 1-4 Hours.
Offers an opportunity to conduct introductory-level research or creative endeavors under faculty supervision.

NRSG 3302. Nursing with Women and Families. 3 Hours.
Focuses on primary, secondary, and tertiary prevention as it relates to individuals with mental health issues. Incorporates principles of communication, with particular focus on individuals with altered patterns of communication. Helps students provide nursing care to individuals, families, and groups with a variety of mental health and mental illness-related issues. Provides students information about the spectrum of mental illnesses and about factors that predispose people to developing mental health problems. Critical thinking skills are employed to explore the legal and ethical issues of providing nursing care for mentally ill persons. Use of psychotropic drugs is integrated throughout the course as it applies to specific psychiatric illnesses. In patient and community settings are utilized as learning arenas to assist students to meet the course objectives.

NRSG 3303. Clinical for NRSG 3302. 2 Hours.
Focuses on applying the theories, principles, and concepts studied in NRSG 3302 to providing nursing care for women and their families with a focus on the childbearing family.

NRSG 3320. Nursing Care of Adults 1. 4 Hours.
Focuses on the care of adults experiencing common health problems. Builds on the concept of patient care learned in sciences, nursing practice, physical assessment, pharmacology, nutrition, and growth and development. Emphasizes the acute care of adults and application of the nursing process. Explores expanding concepts of health and illness, including management of patients transitioning from acute care to the home or rehabilitation settings.

NRSG 3321. Clinical for NRSG 3320. 2 Hours.
Emphasizes clinical skills that focus on the application of knowledge learned in NRSG 3320.

NRSG 3322. Intermediate Interventions and Assessment. 1 Hour.
Focuses on the care of adults experiencing common health problems. Builds on the concept of patient care learned in sciences, nursing practice, physical assessment, pharmacology, nutrition, and growth and development. Emphasizes the acute care of adults and application of the nursing process. Explores expanding concepts of health and illness, including management of patients transitioning from acute care to the home or rehabilitation settings.

NRSG 3324. Lab for NRSG 3323. 1 Hour.
Introduces the practice and application of advanced nursing skills, health assessment, and communication techniques studied in NRSG 3323. Offers students an opportunity to develop and master advanced assessment and intervention skills by supervised practice and demonstration. Participation in simulated patient care experiences is designed to enable the student to engage in clinical reasoning based on patient interaction and assessment that leads to the identification of appropriate nursing interventions.

NRSG 3400. Nursing and the Promotion of Mental Health. 3 Hours.
Focuses on primary, secondary, and tertiary prevention as it relates to individuals with mental health issues. Incorporates principles of communication, with particular focus on individuals with altered patterns of communication. Helps students provide nursing care to individuals, families, and groups with a variety of mental health and mental illness-related issues. Provides students information about the spectrum of mental illnesses and about factors that predispose people to developing mental health problems. Critical thinking skills are employed to explore the legal and ethical issues of providing nursing care for mentally ill persons. Use of psychotropic drugs is integrated throughout the course as it applies to specific psychiatric illnesses. In patient and community settings are utilized as learning arenas to assist students to meet the course objectives.
NRSG 3401. Clinical for NRSG 3400. 2 Hours.
Focuses on applying the theories, principles, and concepts learned in NRSG 3400 in providing psychiatric mental health (PMH) nursing care.

NRSG 3420. Nursing Care of Adults 2. 4 Hours.
Focuses on the care of adults and their families experiencing complex physiological insults across the lifespan. Builds on the conceptual foundation established in NRSG 3320. Offers students an opportunity to improve their organizational skills through the expanding complexity of patient acuity levels and workloads in an advanced health care setting. Emphasis is on complex decision and critical thinking through collaboration and the use of evidence-based practices in high acuity and critical care settings. Seeks to help the student to conceptualize care of the ill patient from admission to discharge and beyond, as a means of holistic practice that demonstrates knowledge of prevention, promotion, maintenance, and restoration of the clients with complex health problems.

NRSG 3421. Clinical for NRSG 3420. 2 Hours.
Focuses on applying the theories, principles, and concepts covered in NRSG 3420 in providing nursing care to adults in increasingly complex situations. Builds upon clinical skills established in NRSG 3321.

NRSG 3990. Elective. 1–4 Hours.
Offers elective credit for courses taken at other academic institutions. May be repeated without limit.

NRSG 4502. Nursing Care of the Child. 4 Hours.
Builds on developmental and family theory. Focuses on the principles of nursing care of children experiencing acute and/or complex, chronic health problems and their families. The complex health issues are analyzed within the context of the individual, family, and community. Offers students an opportunity to explore evidenced-based practices within the framework of the nursing process. The therapeutic role is addressed in partnership with the family and resources available within a collaborative and interdisciplinary environment.

NRSG 4503. Clinical for NRSG 4502. 2 Hours.
Focuses on applying the theories, principles, and concepts learned in NRSG 4502 in providing nursing care for acutely and/or chronically ill children and their families in a pediatric clinical setting.

NRSG 4604. Public Health Community Nursing. 3 Hours.
Introduces population-focused nursing and applies the nursing process to the community as client. Examines evidence-based health-promotion strategies in a variety of community settings. Addresses core functions and essential services of public health, and introduces epidemiological and economic concepts and models. Emphasizes the involvement of the community/public health nurse in ethical issues and health policy, focusing on vulnerable populations in giving cultural and linguistic-competent care. Examines community-based strategies and interprofessional collaboration to care for underserved populations in both urban and suburban communities. Emphasizes the community/public health nurse as a population-focused care provider, case manager, deliverer of quality nursing care, care coordinator, critical thinker, liaison between agencies, and nursing researcher.

NRSG 4605. Clinical for NRSG 4604. 2 Hours.
Seeks to facilitate the student's socialization to population-focused nursing and to plan care for the community as client. Emphasizes the application of knowledge when addressing core functions and essential services of public health, epidemiology, and economic concepts and models. Students engage in cultural and linguistic-appropriate health assessment, health promotion, and illness-prevention strategies in a variety of community settings. This may include acting as a community/public health nurse for ethical issues, health policy, coordination of care, interprofessional collaboration, liaison between agencies, and facilitation of healthcare research. Examines and evaluates types of community-based strategies used to serve underserved and vulnerable populations to ensure quality care for those living in both urban and suburban communities.

NRSG 4610. Managing and Leading in Healthcare. 4 Hours.
Introduces various theoretical frameworks that support principles of leadership and management in nursing in all types of organizational settings. Emphasizes developing, enhancing, and demonstrating leadership skills, competencies, and aptitudes. Exposes students to practical situations in the management of current and practical patient care in diverse healthcare settings. Integrates organizational structure; methods of nursing care delivery; comparison of management and nursing processes; decision making; change; communication skills; interprofessional collaboration; team building; ethical considerations; interpersonal skills of effective nursing leadership and management; and organizational issues related to the quality of client, family, and personal outcomes.

NRSG 4620. Innovations in Nursing Practice. 4 Hours.
Designed to hone students' professional development in preparation for a broader scope of nursing practice through formation of a greater understanding of the social and societal issues as impacted by cultural, political, and economic forces that affect and influence the delivery of nursing care. Locally and globally, the healthcare system is undergoing an evolution that demands a broadening of the scope of nursing practice and the preparation of registered nurses to meet the challenges of the future. Greater emphasis is being placed on patient-centered care, interdisciplinary collaboration, and healthcare promotion across the life span in the midst of an ever-changing and complex healthcare system.

NRSG 4970. Junior/Senior Honors Project 1. 4 Hours.
Focuses on in-depth project in which a student conducts research or produces a product related to the student’s major field. Combined with Junior/Senior Project 2 or college-defined equivalent for 8-credit honors project. May be repeated without limit.

NRSG 4971. Junior/Senior Honors Project 2. 4 Hours.
Focuses on second semester of in-depth project in which a student conducts research or produces a product related to the student’s major field. May be repeated without limit.

NRSG 4990. Elective. 1–4 Hours.
Offers elective credit for courses taken at other academic institutions. May be repeated without limit.

NRSG 4991. Research. 4 Hours.
Offers an opportunity to conduct research under faculty supervision.

NRSG 4992. Directed Study. 1–4 Hours.
Offers independent work under the direction of members of the department on a chosen topic. Course content depends on instructor. May be repeated without limit.

NRSG 4993. Independent Study. 1–4 Hours.
Offers independent work under the direction of members of the department on a chosen topic. Course content depends on instructor. May be repeated without limit.
NRSG 4995. Comprehensive Nursing Practicum. 3 Hours.
Prepares students to synthesize nursing knowledge, skills, and experience and facilitate their transition to professional nursing practice and case management of clients with health problems. Assists students to demonstrate leadership and collaborative skills in working with other members of the healthcare team through a weekly precepted relationship with an RN. Includes clinical learning experiences within hospital and community settings. Classwork includes a review of professional domains in all previous clinical courses in the nursing curriculum to prepare students for licensure.

NRSG 4996. Clinical for NRSG 4995. 2 Hours.
Offers students an opportunity to synthesize nursing knowledge, skills, and experience and facilitate their transition to professional nursing practice and case management of clients with health problems. Designed to assist students to demonstrate leadership and collaborative skills in working with other members of the healthcare team through a weekly precepted relationship with an RN. Includes clinical learning experiences within hospital and community settings.

NRSG 5000. Advanced Perspectives in Wellness. 4 Hours.
Offers students an opportunity to explore wellness through both theoretical and experiential pathways. Introduces theories and models of holism, wellness, stress, health promotion, health belief, and change as operational frameworks by which the student has an opportunity to reflect upon personal history, health and risk-taking behaviors, and lifestyle choices that influence health and well-being. Studies the art and science of self-care through both the emic and etic perspectives. Course topics include holistic lifestyle and health analysis, behavioral change, decision making, and stress/stress reduction. Embodied learning methodologies inform course delivery.

NRSG 5100. Professional Development and Scientific Basis. 3 Hours.
Serves as a transitional course for the purposes of socialization and transformation of the student to the roles and scope of practice of baccalaureate generalist nurse. Employs principles of adult learning and critical thinking to assist the student in establishing the foundational skills required for scholarly communication, investigation, and study. Examines the historical and contemporary nursing theories related to the physiological, sociological, and cultural perspectives of professional practice, focusing on the four central concepts of professional nursing: person, health, environment, and nursing. Introduces the use of evidence-based practice to drive professional practice. Offers students an opportunity to develop a portfolio based on his or her personal and unique vision of professional nursing practice.

NRSG 5101. Computer and Nursing Informatics. 3 Hours.
Focuses on information and knowledge development concepts, data processing, and use of micro-, mini-, and mainframe computers in nursing practice. Introduces technologies used in nursing practice, such as hospital and nursing information system applications and decision support systems. Discusses the impact of computers and informatics on the future direction of nursing practice. Includes demonstration of computer-aided instruction, physiological monitoring devices, and applications of various software packages related to nursing practice, and the opportunity to practice computer skills.

NRSG 5117. Advanced Pharmacology. 2 Hours.
Focuses on principles of pharmacology and the major drug classifications in relation to the treatment of health problems across the life span. Examines the effects of selected medications on pathophysiology and psychopathology. Emphasizes dose response, side effects/drug interactions, route of administration, and place in clinical therapy.

NRSG 5118. Healthcare System and Professional Role Development. 3 Hours.
Examines the role of the advanced practice nurse within the context of today's healthcare system. Focuses discussion on dimensions of the advanced practice nursing role, including intra/interdisciplinary collaboration, consultation, leadership, diversity, and accountability for quality care. Examines the healthcare system with special focus on social, political, economic, ethical, regulatory, research, and legal trends. Students are expected to evaluate the interaction between healthcare system issues and advanced practice role dimensions.

NRSG 5120. Statistics for Health Science. 3 Hours.
Focuses on applying formal reasoning to understand the underlying principles of statistics; how to select and conduct statistical tests; and how to interpret and use the results of data analysis in relation to research questions and research hypotheses.

NRSG 5121. Epidemiology and Population Health. 3 Hours.
Examines the theoretical basis for identification and analysis of the distribution and determinants of health problems at community, national, and international population levels. Considers health disparities that exist among specific populations and the role of government in setting policies for health promotion and disease prevention. Covers three topical areas: basic principles and population measures of epidemiology; epidemiologic study methods; and application of epidemiologic tools in interdiscipinary settings. Complements planned topics with current examples of population health issues. The goal is to understand the principles and practice of monitoring population health. Skills acquired assist advanced practice nurses, other clinicians, or administrators in critically evaluating new epidemiologic literature and in using the basic tools of epidemiology to assess population health and develop strategies for monitoring health improvement.

NRSG 5126. Pathophysiology for Advanced Practice. 3 Hours.
Covers content that provides current understanding of major disease processes across the life span. Builds on the knowledge of anatomy, physiology, biochemistry, microbiology, and immunology. Focuses on physiologic dysfunction; physiologic adaptation in maintaining the internal environment; and feedback mechanisms at the cellular, organ, and systems level. Seeks to provide students with a way of thinking about disease for each body system. Provides a comprehensive study of underlying concepts common to major pathophysiologic processes of the body, including specific diseases affecting the cardiovascular, endocrine, gastrointestinal, hematological, immunological, nervous, pulmonary, and renal systems.

NRSG 5127. Scientific Inquiry and Epidemiological Concepts. 3 Hours.
Emphasizes methods of scientific inquiry and epidemiological concepts relative to individual and population health. Addresses multiculturalism concepts relative to health and illness. Stresses theoretical frameworks, methods of inquiry, and appropriate use of selected statistical analyses. Offers students an opportunity to analyze data to improve healthcare delivery for individuals and populations. Examines threats to internal and external validity. Emphasizes critical appraisal of literature as evidence as a basis for translation into practice. Explores strategies and tools for retrieval, compilation, critical appraisal, and application of empirical and practice-based information. Restricted to USAGPAN students only.

NRSG 5170. Statistics in Nursing. 2 Hours.
Part of the USAGPAN program. This course provides students the opportunity to understand biostatistics and their application in scientific research. Students conduct a systematic inquiry relative to an identified anesthesia problem, conduct a research study, and apply the appropriate statistical measurement to analyze the data. In addition, the statistical foundation obtained from this course will enable students to critically analyze scientific literature. Restricted to USAGPAN students only.
NRSG 5174. Clinical Anatomy and Physiology 2 for Nurse Anesthesia. 5 Hours.
Part of the USAGPAN program. This course provides students the opportunity to build upon their knowledge of the anatomy and physiology of the endocrine, respiratory, and renal systems with particular reference to anesthesia, respiratory, and acute care management. Students engage in critical thinking regarding the effects of anesthesia on the normal physiological processes of the respiratory, endocrine, and renal systems. Restricted to USAGPAN students only.

NRSG 5182. Physical Examination and Differential Diagnosis. 4 Hours.
Part of the USAGPAN program. This course provides students the opportunity to refine and specialize their assessment skills with an emphasis on assessing for the presence and quantifying the severity of problems with significant implications for anesthesia care. Particular attention is paid to the importance of consulting appropriately for preoperative optimization and the development of plans for anesthesia care that minimize anesthesia related risk. Restricted to USAGPAN students only.

NRSG 5184. Biochemistry for Nurse Anesthesia. 4 Hours.
Part of the USAGPAN program. A graduate level course which provides the student an opportunity to correlate biochemical principles as they apply to the physiology, pathophysiology, and pharmacology of anesthesia nursing. Major topics covered include: (1) structure and function of DNA, RNA and proteins; (2) basic medical genetics; (3) protein structure and function; (4) common metabolic pathways of carbohydrates, lipids, and amino acids; and (5) special topics including clinical chemistry. Lectures are supplemented by case studies and clinical correlate presentations related to anesthesia. Restricted to USAGPAN students only.

NRSG 5976. Directed Study. 1-4 Hours.
Allows student to develop an individualized plan to attain specific knowledge and skills related to professional goals. May consist of library study and reading, individual instruction, research, practicum, or other appropriate activity as approved by instructor and academic adviser. May be repeated without limit.