Nursing Science (NS)

Courses

NS A203 Preparing for Nursing Program Success 3 Credits
Explores ideas, strategies and skills that will assist the student in successful completion of the nursing program and the building of a successful nursing career.

Registration Restrictions: Admission into either the UAA AAS or BS Nursing program or permission of the program chair.

Crosslisted With: NURS A203

NS A204 Technology and Nursing Informatics 3 Credits
Concepts and applications of nursing informatics in health care organizations. Evaluate the impact of technology on nursing practice and on client education, including privacy and security issues. Explore electronic resources available to clients and nurses.

Registration Restrictions: Admission to Clinical Nursing Major or RN licensure in the State of Alaska.
Prerequisites: WRTG A111 and WRTG A213 and (PHIL A101 or PHIL A201) or ENGL A120.
Corequisites: NS A216 AND NS A300.

NS A205 Nursing Informatics 3 Credits
Concepts and applications of nursing informatics in health care organizations. Explore electronic resources available to clients and nurses.

Registration Restrictions: Admission to clinical major and/or RN licensure in the state of Alaska.

NS A216 Pathophysiology 4 Credits
Basic conceptual study of disease and the resultant abnormal functioning. Key concepts are utilized to assist students to develop knowledge and understanding of basic physiologic mechanisms of and responses to disease.

Special Note: Offered fall and spring semesters.

Registration Restrictions: Admission to clinical nursing major or RN licensure in state of Alaska
Prerequisites: BIOL A112 with a minimum grade of C and CHEM A104 with a minimum grade of C and CHEM A104L with a minimum grade of C.
Corequisites: NS A204 AND NS A300.

NS A300 Foundations of Nursing I: Roles, Processes, and Trends 4 Credits
Explores the implications of historical events and contemporary trends on the profession of nursing. Nursing roles and the nursing process are examined with an emphasis on promoting health and preventing disease.

Prerequisites: WRTG A111 and WRTG A213 and (PHIL A101 or PHIL A201) or ENGL A120.
Corequisites: NS A204 AND NS A216.

NS A303 Foundations of Nursing II: Therapeutics 3 Credits
Systematic use of the nursing process in the care of individuals in a variety of settings. Emphasis on identifying the physiological and psychosocial alterations in health patterns and the basic therapeutic nursing intervention.

Special Note: Offered fall and spring semesters.
Prerequisites: NS A204 and NS A216 and NS A300.
Corequisites: NS A303L AND NS A309.

NS A303L Foundations of Nursing II: Laboratory 5 Credits
Application of the nursing process and basic therapeutic nursing intervention in the laboratory and selected clinical settings.

Prerequisites: NS A204 and NS A216 and NS A300.
Corequisites: NS A303 AND NS A309.

NS A305 Health Assessment of Individuals 2 Credits
Focuses on health assessment across the lifespan with an emphasis on interviewing and data collection, interpretation and documentation. Provides the skills for developing a systematic approach to performing a health history and physical examination.

Special Note: Offered only in Fall semester.

Registration Restrictions: Admission to the clinical major and RN licensure in the state of Alaska.
Prerequisites: NS A205 or concurrent enrollment.
Corequisites: NS A305L.

NS A305L Health Assessment of Individuals Laboratory 1 Credit
Laboratory experience to apply knowledge and skills introduced in NS A305.

Registration Restrictions: Admission to clinical major and RN licensure in the state of Alaska.
Prerequisites: NS A205 or concurrent enrollment.
Corequisites: NS A305.

NS A308 Dimensions of Professional Nursing Practice 3 Credits
Facilitates the RN student's return to school to the baccalaureate nursing program. Introduces the theories, concepts, roles, and competencies relevant to professional nursing practice. The history of nursing provides the context for exploring the evolution of nursing as a profession. Examines current social, political, and legal issues and trends in health care and their implications for nursing practice and the RN student's goals for professional development.

Prerequisites: NS A204.

NS A309 Pharmacology in Nursing 3 Credits
In-depth consideration of the use of prescription and non-prescription drugs by individuals at varying developmental levels and with differing health status. Within the context of the nursing process, students develop the knowledge and skills needed to safely administer drugs, to assist clients to develop decision-making skills to enable independent management of drug regimens, to evaluate clients' responses to drug therapy, and to prevent and minimize toxicity.

Registration Restrictions: Admission to BS, Nursing Science major, or RN licensure in State of Alaska.
Prerequisites: NS A204 with a minimum grade of C and NS A216 with a minimum grade of C and NS A300 with a minimum grade of C.
NS A313 Health Disruptions I 3 Credits
Introduces episodic health disruptions occurring across the lifespan to include collaborative care and nursing management. Nursing therapeutics focus on nursing management of the individual and the family within an acute care setting.
Prerequisites: NS A204 with a minimum grade of C and NS A216 with a minimum grade of C and NS A300 with a minimum grade of C and NS A303 with a minimum grade of C and NS A303L with a minimum grade of P and NS A309 with a minimum grade of C.
Corequisites: NS A313L.

NS A313L Health Disruptions I Laboratory 3 Credits
Clinical experience introducing episodic health disruptions occurring across the lifespan to include collaborative care and nursing management. Emphasizes psychomotor competencies associated with clinical conditions in the clinical setting. Nursing therapeutics focus on nursing management of the individual and the family within the acute care setting.
Prerequisites: NS A204 with a minimum grade of C and NS A216 with a minimum grade of C and NS A300 with a minimum grade of C and NS A303 with a minimum grade of C and NS A303L with a minimum grade of P and NS A309 with a minimum grade of C.
Corequisites: NS A313L.

NS A314 Health I for Registered Nurses 2 Credits
Emphasizes health promotion, illness prevention, and health protection strategies for individuals and families across the lifespan to achieve and maintain healthy lifestyles and self-management of health. Introduces concepts of community health nursing, epidemiology, and injury prevention.
Special Note: Offered only in Spring semester.
Registration Restrictions: Admission to the clinical major and RN licensure in the state of Alaska.
Prerequisites: NS A205 with a minimum grade of C and NS A308 with a minimum grade of C.
Corequisites: NS A314L AND NS A417.

NS A314L Health I for Registered Nurses Laboratory 2 Credits
Provides clinical experience to build skills and reinforce student learning in NS A314.
Special Note: Offered only in Spring semester.
Registration Restrictions: Admission to the clinical major and RN licensure in the state of Alaska.
Prerequisites: NS A205 with a minimum grade of C and NS A308 with a minimum grade of C.
Corequisites: NS A314.

NS A315 Health I: Nursing Therapeutics 3 Credits
Emphasizes health states and risk factors amenable to health promotion and illness prevention efforts. Focuses on achieving and maintaining healthy lifestyles as well as self-management of health in individuals and families across the lifespan.
Registration Restrictions: BS Nursing Science majors only.
Prerequisites: NS A204 with a minimum grade of C and NS A216 with a minimum grade of C and NS A300 with a minimum grade of C and NS A303 with a minimum grade of C and NS A303L with a minimum grade of P and NS A309 with a minimum grade of C and NS A313 with a minimum grade of C and NS A313L with a minimum grade of P.
Corequisites: NS A315L.

NS A315L Health I: Nursing Therapeutics Laboratory 3 Credits
Provides clinical experience to build skills and reinforce student learning in NS A315.
Registration Restrictions: BS Nursing Science majors only.
Prerequisites: NS A204 with a minimum grade of C and NS A216 with a minimum grade of C and NS A300 with a minimum grade of C and NS A303 with a minimum grade of C and NS A303L with a minimum grade of P and NS A309 with a minimum grade of C and NS A313L with a minimum grade of C and NS A313L with a minimum grade of P.
Corequisites: NS A315.

NS A400 Nursing Research 3 Credits
Introduction to research methods in nursing and health care. Emphasis on identification of researchable questions, problem formulation, research design, data collection, and analysis. Focus on the role of the professional nurse prepared at the baccalaureate level and on strategies for the utilization of research findings in clinical practice.
Registration Restrictions: Prior completion of a statistics course.
Prerequisites: NS A303 with a minimum grade of C and NS A303L with a minimum grade of P and NS A313 with a minimum grade of C and NS A313L with a minimum grade of P and NS A315L with a minimum grade of P.
Corequisites: NS A401L.

NS A401 Health Disruptions II 3 Credits
Emphasis on episodic health disruptions in specialty-focused care. Nursing therapeutics focus on care of individuals, families and environments.
Prerequisites: NS A313 with a minimum grade of C and NS A313L with a minimum grade of P and NS A315 with a minimum grade of C and NS A315L with a minimum grade of P.
Corequisites: NS A401.

NS A401L Health Disruptions II Laboratory 2.5 Credits
Provides clinical experience to build skills and reinforce student learning in NS A401.
Prerequisites: NS A313 with a minimum grade of C and NS A313L with a minimum grade of P and NS A315 with a minimum grade of C and NS A315L with a minimum grade of P.
Corequisites: NS A401.

NS A406 Nursing Therapeutics in Complex Health Disruptions 2 Credits
Emphasis on health disruptions with complex pathophysiology and/or psychological adjustments of clients of all ages and their families. Nursing management includes a high level of collaboration with other health care providers and agencies utilizing previously learned nursing therapeutics.
Prerequisites: NS A401 with a minimum grade of C and NS A401L with a minimum grade of P.
Corequisites: NS A406L.

NS A406L Nursing Therapeutics in Complex Health Disruptions Laboratory 2.5 Credits
Provides clinical experience to build skills and reinforce student learning in NS A406.
Prerequisites: NS A401 with a minimum grade of C and NS A401L with a minimum grade of P.
Corequisites: NS A406.
NS A411 Health II: Nursing Therapeutics 3 Credits
Focuses on describing the health status of populations and vulnerable groups with an emphasis on identifying health disparities and population-focused interventions that foster risk reduction through health promotion and disease prevention. The impact of social, cultural, economic, and global factors on health status will be explored as they relate to health policy and nursing’s role in the policymaking process.

Registration Restrictions: Completion of GER Tier 1 (basic college-level skills) courses and junior standing.
Prerequisites: NS A400 with a minimum grade of C and NS A401 with a minimum grade of C and NS A401L with a minimum grade of P and NS A406 with a minimum grade of C and NS A406L with a minimum grade of P.
Corequisites: NS A411L.
Attributes: UAA Integrative Capstone GER.

NS A411L Health II: Nursing Therapeutics Laboratory 3 Credits
Clinical experience to build skills and reinforce student learning in NS A411.
Prerequisites: NS A400 with a minimum grade of C and NS A401 with a minimum grade of C and NS A401L with a minimum grade of P and NS A406 with a minimum grade of C and NS A406L with a minimum grade of P.
Corequisites: NS A411.

NS A415 Nursing Management and Legal Perspectives 4 Credits
Theories of management and organizations for basic students in relation to health care delivery systems. Emphasis is on the role of the professional nurse in health care organizations. Provides an overview of skills and techniques used for effective leadership and management of health care services. Exploration of legal implications and perspectives in nursing practice.
Prerequisites: NS A313 with a minimum grade of C and NS A315 with a minimum grade of C.

NS A416 Concentration in Clinical Nursing 0.5 Credits
Facilitates the integration and synthesis of knowledge basic to a beginning professional level of nursing practice. A major emphasis upon analyzing and evaluating issues arising in the practice setting.
Prerequisites: NS A400 with a minimum grade of C and NS A401 with a minimum grade of C and NS A401L with a minimum grade of P and NS A406 with a minimum grade of C and NS A406L with a minimum grade of P and NS A411 with a minimum grade of C and NS A411L with a minimum grade of C and NS A415 with a minimum grade of C.
Corequisites: NS A416L.

NS A416L Concentration in Clinical Nursing Lab 3.5 Credits
Application of clinical skills acquired throughout the BS Nursing program in a clinical setting incorporating research, management, and theory in delivering nursing care to individuals, families, and populations.
Prerequisites: NS A400 with a minimum grade of C and NS A401 with a minimum grade of C and NS A401L with a minimum grade of P and NS A406 with a minimum grade of C and NS A406L with a minimum grade of P and NS A411 with a minimum grade of C and NS A411L with a minimum grade of P and NS A415 with a minimum grade of C.
Corequisites: NS A416.

NS A417 Management in Nursing 3 Credits
Explores theories of management in relation to health care delivery systems. Discusses strategies and techniques for effective leadership and management in health care environments. Synthesizes and integrates knowledge and skills gained from clinical practice into theoretical context.
Special Note: Offered only in Spring semester.
Registration Restrictions: RN licensure in state of Alaska.
Prerequisites: NS A305 and NS A308.
Corequisites: NS A314 AND NS A314L.

NS A420 Caring for Individuals with Intellectual and Developmental Disabilities 3 Credits
Introduces dynamics of nursing supports for individuals experiencing intellectual and/or developmental disabilities (IDD). Reviews the history of IDD in the United States, common health and psychosocial issues for this population, and barriers to health care; provides strategies to assess needs, plan appropriate care, and advocate for elimination of healthcare barriers.
Registration Restrictions: Enrollment in the School of Nursing or departmental approval.
Prerequisites: NS A204 with a minimum grade of C and NS A216 with a minimum grade of C and NS A300 with a minimum grade of C.

NS A422 Management of the Critically Ill Adult 3 Credits
Applies nursing process to the care of adults in the critical care environment. Emphasizes integration of physical assessment and physiological monitoring to diagnose needs and plan interventions for critically ill adult patients.
Registration Restrictions: Prerequisites or current RN licensure
Prerequisites: NS A406 with a minimum grade of C and NS A406L with a minimum grade of P.

NS A423 Transcultural Nursing 3 Credits
Examines socio-cultural factors that influence health, illness, and health-related behaviors, including cultural beliefs, values, and lifestyles. Explores the historical development of the major non-western and western health systems with implications for nursing practice. Places health-related behaviors within a cultural context and applies the elements of a culturally sensitive approach to clients seeking professional nursing care services.
Special Note: Students may take NS A423 or NS A623 for credit, but not both.
Registration Restrictions: RN license to practice in the state of Alaska, enrolled in baccalaureate program or instructor permission.
May Be Stacked With: NS A623
Prerequisites: NS A315 with a minimum grade of C and NS A315L with a minimum grade of P.
NS A424 Issues in Women's Health 3 Credits
Explores current issues, research, and controversies affecting women's health with a focus on health promotion and maintenance. Addresses life cycle issues, special needs, unique populations and advocacy. **Registration Restrictions:** If prerequisites not met, then RN licensure in the state of Alaska.

**Prerequisites:** NS A300 with a minimum grade of C and NS A303 with a minimum grade of C and NS A303L with a minimum grade of P and NS A309 with a minimum grade of C and NS A313 with a minimum grade of C and NS A313L with a minimum grade of P and NS A315 with a minimum grade of C and NS A315L with a minimum grade of P.

NS A426 Critical Care Concepts in Acute Care Settings 3 Credits
Prepares experienced, registered nurses for entry-level practice in critical care and provides opportunities to analyze past and current clinical situations and adapt concepts used in critical care settings to their current practice. Emphasis on developing an ability to predict and project events for clients who are either critically ill or have the potential to develop a critical illness. Builds on sound assessment skills and broad experiences of competent registered nurses. **Registration Restrictions:** RN licensure in state of Alaska.

NS A429 Perioperative Nursing 3 Credits
Introduces perioperative nursing, its origin and purpose, including functions of the surgical suite team members. Covers the perioperative nursing role as it relates to preoperative preparation, intraoperative period, and recovery. **Registration Restrictions:** RN licensure or departmental approval. **Prerequisites:** NS A300 with a minimum grade of C and NS A303 with a minimum grade of C and NS A309 with a minimum grade of C and NS A313 with a minimum grade of C and NS A303L with a minimum grade of P and NS A313L with a minimum grade of P.

NS A430 Rural Health Care 3 Credits
Analysis of rural health care from a problem-solving framework. Alaskan communities are utilized as a focus for the course. **Registration Restrictions:** If prerequisite not met, then RN licensure in the state of Alaska. **Prerequisites:** NS A300 with a minimum grade of C.

NS A431 Human Sexuality in Health and Illness 3 Credits
Explores physiological, psychological and social nature of human sexuality and implications for the role of the professional nurse. Emphasizes the sexual behavior of individuals and groups and the impact of illness on sexuality. **Registration Restrictions:** If prerequisites not met, then RN licensure in state of Alaska. **Prerequisites:** NS A300 with a minimum grade of C.

NS A433 Health Education: Theory and Practice 3 Credits
Provides the theoretical foundation for health education and health promotion. Develops students' abilities to design and deliver health education programs. **Registration Restrictions:** Faculty permission. **Crosslisted With:** HS A433. **Prerequisites:** HS A220 or NS A300 with a minimum grade of C.

NS A434 Health Care of the Elderly 3 Credits
Overview of issues which affect older adults and their lifestyles. Addresses normal physiological and psychosocial aging changes, and health concepts of prevention, promotion, and protection. Includes issues affecting care giving of older family members in a multitude of settings. Explores health policies which have financial, legal, and ethical implications. Highlights special needs of Alaskan elderly. **Registration Restrictions:** Prerequisites or RN licensure in Alaska. **Prerequisites:** NS A300 with a minimum grade of C and NS A303 with a minimum grade of C and NS A303L with a minimum grade of P and NS A315 with a minimum grade of C and NS A315L with a minimum grade of P.

NS A435 Disaster Nursing 3 Credits
Exploration of varying types of disasters, their effects on populations and the subsequent role of federal, state, and local agencies in management. Examines roles of the health care agencies and nursing responsibilities both within the community and in acute care agencies. **Registration Restrictions:** Prerequisites or RN licensure in Alaska. **Prerequisites:** NS A303 with a minimum grade of C or concurrent enrollment and NS A309 with a minimum grade of C or concurrent enrollment.

NS A442 Introduction to Forensic Nursing 3 Credits
Provides an overview of forensic nursing. Explores the etiology of interpersonal violence, intentional injury, and trauma in relation to victim and/or perpetrator populations. Develops understanding of the collaborative and multidisciplinary role of this specialty. **Registration Restrictions:** RN licensure in the state of Alaska. **Prerequisites:** NS A313 with a minimum grade of C and NS A313L with a minimum grade of P and NS A315 with a minimum grade of C and NS A315L with a minimum grade of P.

NS A451 Introduction to Neonatal Intensive Care Nursing 3 Credits
Introduction to neonatal critical care nursing. Topics include the pathophysiology and nursing management of common neonatal disease states, developmentally-focused nursing care of premature and newborn infants, and current issues and trends in neonatal nursing. **Prerequisites:** NS A401 or concurrent enrollment.

NS A470 Selected Topics in Nursing Practice 3 Credits
Enhances and extends students' understanding of a selected topic. **Special Note:** May repeat once with a change of topic. **Registration Restrictions:** Nursing major or RN license in state of Alaska. **Prerequisites:** NS A204 with a minimum grade of C and NS A216 with a minimum grade of C and NS A300 with a minimum grade of C.

NS A601 Advanced Pathophysiology 3 Credits
Provides for advanced analysis and critical review of autonomy, advanced pathophysiology and genetics/genomics of disease processes that result in abnormal functioning of the human body across the lifespan. Fosters refinement of critical thinking to interpret pathophysiologic changes that result in clinical manifestations of illness. **Registration Restrictions:** Graduate standing or faculty permission.
NS A602 Advanced Health Assessment in Primary Care 3 Credits
Provides a systematic approach to advanced physical, psychological, sociocultural, developmental, and spiritual assessment of individuals across the lifespan. Builds on basic health assessment knowledge and skills, laboratory and radiology interpretation, validation, documentation and analysis of assessment findings.

Registration Restrictions: Grade of C or better in an undergraduate health and physical assessment course. Admission to graduate nursing program, Family Nurse Practitioner, Nursing Education, or Psychiatric-Mental Health Nurse Practitioner option. Current Alaska RN licensure.

NS A610 Pharmacology for Primary Care 3 Credits
Advanced level pharmacology course that assists health care professionals in selecting, prescribing and monitoring of pharmaceutical agents utilized in the primary care setting. Legend drugs, over-the-counter agents and some complementary therapeutics will be discussed. Emphasis is on the pharmacodynamics of medications most commonly prescribed.

Registration Restrictions: Graduate standing and current license to practice as a registered nurse in the state of Alaska.

Prerequisites: NS A601 with a minimum grade of B and NS A602 with a minimum grade of B.

NS A611 Psychopharmacology 3 Credits
Focuses on psychopharmacological principles and therapeutic practices used to safely and effectively select, prescribe, and monitor psychotropic agents utilized in treating mental health problems and psychiatric disorders across the lifespan.

Registration Restrictions: Graduate standing or permission of instructor. Current licensure to practice as a registered nurse in Alaska.

NS A618 Role Development in Advanced Nursing 2 Credits
Enhances knowledge of the many roles of nursing in health care and educational settings. Incorporates the American Association of Colleges of Nursing Master's Essentials into the curriculum and discusses contemporary nursing issues.

Registration Restrictions: Graduate standing

NS A619 Nursing Health Policy 2 Credits
Analyzes the procedures by which governmental and private agencies make decisions that affect the health of populations groups. Explores the influence of lay, professional and special interest groups in relation to legislation, allocation of resources and the setting of health priorities. Examines current issues in health policy, focusing on how policy is changed, interpreted and implemented.

Registration Restrictions: Graduate standing or instructor permission

NS A620 Evidence-Based Advanced Nursing Practice 4 Credits
Emphasizes critical appraisal and synthesis of qualitative and quantitative evidence. Provides for the acquisition and application of advanced knowledge and skills in scientific inquiry. Examines the importance of the evidence-based approach to advanced nursing practice.

Registration Restrictions: Graduate standing or instructor permission, and grade of C or better in undergraduate research and statistics.

Prerequisites: NS A621 with a minimum grade of B.

NS A621 Knowledge Development for Advanced Nursing Practice 3 Credits
Integrates theory from nursing and other disciplines to describe and explain human responses in health and illness. Critically analyzes theories for adequacy of conceptualization, measurement, and application. Theories include adaptation, illness prevention, health promotion, and change in relation to individuals, families, and populations.

Registration Restrictions: Graduate standing

NS A623 Transcultural Nursing 3 Credits
Analyzes socio-cultural factors that influence health, illness, and health-related behaviors, including cultural beliefs, values, and lifestyles. Explores the historical development of the major non-western and western health systems with implications for nursing practice. Places health-related behaviors within a cultural context and applies the models and research findings to culturally sensitive approaches to clients and families seeking professional nursing care. Describes areas of transcultural nursing research and evidenced-based practice.

Special Note: Students may take NS A423 or NS A623 for credit, but not both.

Registration Restrictions: RN license to practice in the state of Alaska or instructor permission. Graduate standing.

May Be Stacked With: NS A423

NS A625 Biostatistics for Health Professionals 3 Credits
Reviews principles of statistical reasoning and quantitative skills for analyzing health data. Illustrates descriptive and inferential statistics. Addresses multivariate parametric and nonparametric testing of health data. Compares methodological techniques and the choice of appropriate statistical methods to answer health research questions. Emphasizes interpretation of statistical results.

Registration Restrictions: Graduate standing or instructor permission, and a grade of C or better in undergraduate statistics course

Crosslisted With: HS A625

NS A625L Biostatistics for Health Professionals Lab 1 Credit
Introduction to statistical analysis using statistical software. Focuses on creating a database, evaluating data for entry errors, identifying statistical test assumptions, and computing descriptive and inferential statistics.

Registration Restrictions: Graduate standing or instructor permission, and grade of C or better in undergraduate statistics course

Prerequisites: HS A625 or concurrent enrollment or NS A625 or concurrent enrollment.

NS A626 Principles of Epidemiology 3 Credits
Presents the study of patterns of disease and injury in human populations and the application of this study to the control of health problems. Introduces students to the basic principles and study designs of epidemiology. Covers the application of epidemiologic methods to the understanding of the occurrence and control of conditions such as infectious and chronic diseases, psychological and behavioral disorders, community and environmental health hazards, accidents, and genetic conditions.

Registration Restrictions: Graduate standing or faculty permission.

Crosslisted With: HS A626
NS A640 Teaching and Learning in the Professional Context 3 Credits
Explores the role and expected competencies of the working professional as educator. Examines continuing professional education and addresses incorporation of adult learning theory and pedagogy into teaching practice for a variety of teaching environments within the professions. Focuses on planning lifelong learning and professional development for the nurse or other educator in the professions. 
**Special Note:** Graduate students from other disciplines may take the course on a space-available basis and with instructor permission; coursework will be individualized to reflect the learner's profession of origin.

**Registration Restrictions:** Graduate standing in nursing or instructor permission

NS A641 Developing Curriculum for Nursing and Other Professions 3 Credits
Applies adult learning theory and pedagogy to design and develops curriculum with an emphasis on learner-centered instruction within the conceptual framework of nursing and other professions. Applies prominent design frameworks to ensure high-quality learner experience and achievement of learning objectives. Examines internal and external factors that drive or impact the curriculum. 
**Special Note:** Graduate students from other disciplines may take the course on a space-available basis and with instructor permission; coursework will be individualized to reflect the learner's profession of origin.

**Registration Restrictions:** Graduate standing in nursing or instructor permission

NS A642 Course and Curriculum Evaluation for Professionals 4 Credits
Focuses on application of evaluation concepts, principles and evidence-based practices to develop appropriate metrics that assess learning outcomes, learner experiences, and instructional effectiveness in nursing and other professions. Applies professional and design quality standards and metrics to assess key educational components such as alignment, effectiveness and contextuality of the curriculum. Appraises teaching practice, cultural sensitivity and the overall learner experience. Examines evaluation at both the course and program levels. 
**Special Note:** Graduate students from other disciplines may take the course on a space-available basis and with instructor permission; coursework will be individualized to reflect the learner's profession of origin.

**Registration Restrictions:** Graduate standing in nursing or instructor permission

NS A644 Technology for Learning and Collaboration 2 Credits
Acquires knowledge and understanding of methods and strategies for the incorporation of appropriate technology in continuing and professional education. Applies technological strategies to the development of learning units, including a rationale for the selection of technology. Incorporates discussion of relevance and staying abreast of current trends in nursing and other professional contexts. 
**Special Note:** Graduate students from other disciplines may take this course on a space-available basis and with instructor permission; coursework will be individualized to reflect the learner's profession of origin.

**Registration Restrictions:** Graduate standing in nursing or instructor permission. Prior completion of NS A640 and NS A641 (or equivalent) with a grade of B or better.

NS A647 Evidence-Based Practicum for Nursing 3 Credits
Applies leadership skills and evidence-based practice in a variety of nursing education or administrative settings. Develops and implements an evidence-based project. Participates in seminar to identify, analyze and solve education or administrative problems related to practicum.

**Registration Restrictions:** Graduate standing in nursing or instructor permission. Prior completion of required core and specialty courses with grade of B or better.

NS A648 Integrative Health: Complementary/Alternative Methods of Healing 3 Credits
Explores the various philosophies, theoretical perspectives, concepts and contextual processes of human health and healing. Research findings based in traditional and emerging models of complementary/alternative healing will be critically reviewed. Students will explore and critique a range of healing arts relevant to advanced nursing practice with a holistic viewpoint.

**Registration Restrictions:** Nursing major or instructor permission; graduate standing

NS A660 Family Nurse Practitioner I 4,6 Credits
Beginning preparation for primary care. Includes advanced history and physical assessment skills for clients of all ages with a focus on developing families. Clinical focus includes acquisition of skills and diagnostic evaluation methods required for management of clients. Principal clinical experiences will be in the primary care of women, childbearing, and child-rearing families with a focus on wellness and prevention.

**Registration Restrictions:** Admission to a graduate degree or certificate program in the School of Nursing. Current Alaska RN license; current CPR certification; current immunization per SON policy.

**Prerequisites:** NS A602.

**Corequisites:** NS A601.
**NS A661 Family Nurse Practitioner II 3.5 Credits**
Continuing preparation for expansion to primary care of all ages. Includes advanced history and physical assessment skills for pediatric and female clients of all ages with a focus on developing families. Clinical focus includes acquisition of skills and diagnostic evaluation method required for management of clients. Principal clinical experiences will be in the primary care of infants, children, adolescents, females of all ages, and child-bearing families with a focus on primary care of common diseases.

**Special Note:** For Post-Master's Certificate students, licensure for advanced practice nurse in Alaska is required.

**Registration Restrictions:** Enrollment in a graduate degree or certificate program in the School of Nursing. Current Alaska RN license; current CPR certification; individual malpractice insurance policy; current immunization per SON policy. Post-Master's Certificate students may take this course concurrently with NS A660.

**Prerequisites:** NS A660 with a minimum grade of B.

**NS A662 Family Nurse Practitioner III 5 Credits**
Continued preparation for advanced nursing practice. Assessment, diagnosis, and treatment and/or referral of clients with disorders of the cardiovascular, endocrine, gastrointestinal, respiratory, musculoskeletal, and management of infections and acute and chronic integumentary, and neurological systems. Recognition diseases. Primary focus is on adults and those with chronic diseases. program in the School of Nursing. Current Alaska RN

**Registration Restrictions:** Admission to a graduate degree or certificate per SON policy. license; current CPR certification; current immunization

**Prerequisites:** NS A661.

**NS A663 Family Nurse Practitioner IV 2-6 Credits**
Summative preparation for advanced nursing practice. Assessment, diagnosis, and treatment or referral of clients with disorders of the cardiovascular, endocrine, gastrointestinal, respiratory, musculoskeletal, integumentary, and neurological systems. Prevention, recognition and management of infections and acute and chronic diseases, and care throughout the developmental stages of life. Includes care of clients throughout the lifespan.

**Registration Restrictions:** Admission to a graduate degree or certificate program in the School of Nursing. Current Alaska RN license; current CPR certification; current immunization per SON policy.

**Prerequisites:** NS A662.

**NS A670 Advanced Psychiatric/Mental Health Nursing I 5 Credits**
Introduces the psychiatric-mental health nurse practitioner role and entry-level competencies. Emphasizes interpersonal and diagnostic processes utilized in assessing and managing the care of individuals across the lifespan who are at risk of, or are experiencing, mental health problems and psychiatric disorders. Evidence regarding the clinical basis and effectiveness of current treatment modalities is examined. Application focuses on developing counseling skills that foster therapeutic alliances and promote mental health and functional well-being.

**Registration Restrictions:** Admission to graduate degree or certificate program in the School of Nursing. Current Alaska RN license; current CPR certification; current immunization per SON policy.

**Prerequisites:** NS A601 and NS A602.

**NS A671 Advanced Psychiatric/Mental Health Nursing II 5 Credits**
Focuses on the theory, research, and clinical literature related to mental health assessment, intervention, and evaluation in families and groups. A social system perspective is used to examine intrinsic and extrinsic factors influencing the development of adaptive and maladaptive behavioral, emotional, and functional patterns in groups and families. Various theoretical approaches to therapeutic assessment and intervention with families and groups are explored through the counselor/therapist role, initially using case analysis and therapy simulations, followed by application in a clinical setting. Issues impacting the mental health of families are addressed.

**Special Note:** For Post-Master's Certificate students, licensure for advanced practice nurse in Alaska is required.

**Registration Restrictions:** Enrollment in a graduate degree or certificate program in the School of Nursing. Knowledge of basic anatomy/physiology and pharmacology; current Alaska RN license; current CPR certification; individual malpractice insurance policy; current immunization per SON policy.

**Prerequisites:** NS A601.

**NS A672 Advanced Psychiatric/Mental Health Nursing III 5 Credits**
Introduces the consultant/liaison role of advanced practice psychiatric-mental health nursing, with an emphasis on consultation in organizational settings. Consultation models are examined and linked to essential skill competencies. Historical and contemporary trends and organizational approaches to delivering population-focused mental health services are analyzed. Current fiscal and social policy statements and research findings are evaluated in terms of their implications for planning, implementing, and evaluating services for at-risk and culturally diverse populations.

**Registration Restrictions:** Enrollment in a graduate degree or certificate program in the School of Nursing. Knowledge of basic anatomy/physiology and pharmacology. Current Alaska RN license; current CPR certification; individual malpractice policy; current immunization per SON policy.

**Prerequisites:** NS A670.
NS A674 Advanced Psychiatric/Mental Health Nursing IV 5 Credits
Emphasizes continuing role development and refinement of advanced practice competencies. An intensive clinical practicum provides the context for the integration synthesis, and application of essential competencies to the care of a population (individuals, groups, families, and aggregates) at risk of or experiencing a mental disorder or impairment. Class will be developed to provide individual and group supervision and examining opportunities, challenges and issues related to the advanced practice role.

Special Note: For Post-Master's Certificate students, licensure for advanced practice nurse in Alaska is required.

Registration Restrictions: Enrollment in a graduate degree or certificate program in the School of Nursing. Knowledge of basic anatomy/physiology and pharmacology. Current Alaska RN license; current CPR certification; individual malpractice insurance policy; current immunization per SON policy.

Prerequisites: NS A601 and NS A602 and NS A610 and NS A672.

NS A696 Scholarly Project 2 Credits
Develops and implements a theory-based project in a clinical, educational or administrative setting. Identifies a topic of current concern within the specialty, reviews and synthesizes the relevant literature, and examines and addresses a practice issue.

Special Note: Must be taken twice for credit for the Master of Science in Nursing Science.

Registration Restrictions: Graduate standing

Prerequisites: (HS A625 with a minimum grade of B or NS A625 with a minimum grade of B) and NS A618 with a minimum grade of B and NS A619 with a minimum grade of B and NS A620 with a minimum grade of B and NS A621 with a minimum grade of B.