POST GRADUATE/APRN CERTIFICATE

Post Graduate/APRN Certification

Purpose

This distance education program is designed for the experienced registered nurse who has earned a master’s or doctoral degree in Nursing and seeks to expand their education in a new specialty area. Certificate programs are offered in all concentrations available in the Master of Science in Nursing degree program. Graduates of our accredited online certificate programs are eligible to sit for national certification exams. A review of official transcripts will determine a student’s course of study. No degree is awarded.

Students admitted to the nurse practitioner program who have previously taken an Advanced Pharmacology course are advised to contact their State Board of Nursing to determine if their Pharmacology course meets the criteria set by State Board for length of time that is allowed from taking the course to the date of applying for prescriptive privileges.

Admission Requirements

Regular Acceptance

- Master of Science in Nursing or Doctoral degree in Nursing
- GPA of 3.0 or higher from master’s-degree-granting institution which is programmatically (ACEN, NLNAC, CCNE) accredited. Students who have graduated from a non-programmatically accredited institution and meet all other admission requirements will be evaluated on a case by case basis. Admission is not guaranteed.
- RN License; and Advanced Practice Registered Nurse (APRN) license and national board certification, as appropriate
- Completed application
- Resume
- Minimum one year of clinical experience
- Official transcript from degree-granting institution.

Provisional Acceptance (collateral) *

- Master of Science in Nursing or Doctoral degree in Nursing
- GPA of 3.0 or higher from master’s-degree-granting institution
- Students must have graduated from a programmatically (ACEN, NLNAC, CCNE) accredited institution within one year prior to receiving programmatic accreditation. Students who have graduated from a non-programmatically accredited institution and meet all other admission requirements will be evaluated on a case by case basis. Admission is not guaranteed.
- RN License; and Advanced Practice Registered Nurse (APRN) license and national board certification, as appropriate
- Completed application
- Resume
- Minimum one year of clinical experience
- Official transcript from degree-granting institution*

*Official transcripts from all schools attended due prior to start of second course.

Conditional Acceptance (academic) ** (NP students are not admitted under conditional acceptance)

- Master of Science in Nursing or Doctoral degree in Nursing
- GPA of 2.50-2.99 from master’s-degree-granting institution which is programmatically (ACEN, NLNAC, CCNE) accredited. Students who have graduated from a non-programmatically accredited institution and meet all other admission requirements will be evaluated on a case by case basis. Admission is not guaranteed.
- RN License; and Advanced Practice Registered Nurse (APRN) license and national board certification, as appropriate
- Completed application
- Resume
- Minimum one year of clinical experience
- Official transcript from degree-granting institution
- Two letters of recommendation (letters of recommendation must be from supervisors and/or those who can attest to candidate’s ability to be successful in graduate nursing education)

** Admitted students must achieve a cumulative 3.0 GPA in first two courses to move forward in program of study

Student outcomes for each of the following concentrations can be found in the Master of Science in Nursing section of this handbook. Students in the Post Graduate/APRN Certificate programs have an option to complete (1) billable credit of national certification preparation in NSG 590: Scholarly Review.

The Curriculum

CONCENTRATIONS

Adult –Gerontology Primary Care Nurse Practitioner (25 Credits)
All courses are 12 weeks in length.

<table>
<thead>
<tr>
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<tr>
<td>NSG 550</td>
<td>Diagnostic Reasoning for Nurse Practitioners</td>
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<td>NSG 553</td>
<td>Adult Health Perspectives of Culturally Diverse, Rural, and Underserved Populations</td>
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<td>NSG 554</td>
<td>Nurse Practitioners in Primary Care I</td>
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<td>NSG 555</td>
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<tr>
<td>NSG 506</td>
<td>Advanced Practice in Adult-Gerontology I</td>
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Psychiatric/Mental Health Nurse Practitioner (27 Credits)
All courses are 12 weeks in length.

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## Post-Graduate Certificate

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<td>NSG 533</td>
<td>Advanced Pharmacology</td>
<td>3 credits</td>
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<tr>
<td>NSG 526</td>
<td>Clinical Modalities in Advanced Psychiatric/Mental Health Nursing Practice</td>
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<tr>
<td>NSG 527</td>
<td>Psychopathology, Theories, and Advanced Clinical Modalities</td>
<td>3 credits</td>
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<tr>
<td>NSG 535</td>
<td>Advanced Practice in Psychiatric/Mental Health Nursing Practice I</td>
<td>3 credits</td>
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<tr>
<td>NSG 536</td>
<td>Advanced Practice in Psychiatric/Mental Health Nursing Practice II</td>
<td>3 credits</td>
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<td>Diagnostic Reasoning for Nurse Practitioners</td>
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<tr>
<td>NSG 552</td>
<td>Psychopharmacology</td>
<td>2 credits</td>
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**Family/Individual Across the Lifespan Nurse Practitioner (28 credits)**

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<td>3 credits</td>
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<tr>
<td>NSG 548</td>
<td>Family Nurse Practitioner Role with Children and Families</td>
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<td>NSG 545</td>
<td>Family Nurse Practitioner Clinical I</td>
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<td>NSG 547</td>
<td>Family Nurse Practitioner Clinical II</td>
<td>3 credits</td>
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<tr>
<td>NSG 549</td>
<td>Family Nurse Practitioner Clinical with Children and Families</td>
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**Nurse Executive (24 Credits)**

*Theory courses are 8 weeks and practicum courses are 16 weeks in length.

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<td>NSG 560</td>
<td>Healthcare Operations for the Nurse Executive</td>
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<td>NSG 561</td>
<td>Organizational Leadership for the Nurse Executive</td>
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<td>NSG 562</td>
<td>Advanced Leadership Topics for the Nurse Executive</td>
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<tr>
<td>NSG 563</td>
<td>Nurse Executive Practicum I</td>
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<tr>
<td>NSG 564</td>
<td>Nurse Executive Practicum II</td>
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**Nursing Education (24 Credits)**

*All courses are 8 weeks in length*
**Post-Graduate Certificate**

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<td>NSG 540</td>
<td>The Nursing Curriculum: Development and Implementation</td>
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<td>NSG 541</td>
<td>Teaching Methodologies and Strategies in Nursing</td>
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<td>NSG 542</td>
<td>Evaluation in Nursing Education</td>
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<td>NSG 544</td>
<td>Classroom Practicum in Nursing Education</td>
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<td>NSG 545</td>
<td>Clinical Practicum in Nursing Education</td>
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**Nursing Informatics (24 credits)**

*All courses are 8 weeks in length*

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<td>NSG 533</td>
<td>Advanced Pathophysiology</td>
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<tr>
<td>NSG 565</td>
<td>Foundations of Nursing Informatics</td>
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<td>NSG 566</td>
<td>Data Management in Healthcare</td>
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<tr>
<td>NSG 567</td>
<td>Nursing Informatics Leadership in Healthcare Systems and Project Designs</td>
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<tr>
<td>NSG 568</td>
<td>Nursing Informatics Practicum I</td>
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<tr>
<td>NSG 569</td>
<td>Nursing Informatics Practicum II</td>
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**Clinical Requirements**

The student is responsible for arranging all clinical experiences. A preceptor from a practice setting that promotes attainment of course objectives is identified by the student. Further details of clinical requirements for each concentration area are provided to students in the *The Passan School of Nursing Graduate Program Student Handbook*.

Accelerated tracks are available in the MS-DNP, MSN (excluding NP concentrations), and RN to MSN (after successful completion of the bridge courses) programs. Further details are available in *The Passan School of Nursing Graduate Program Student Handbook*.

**NSG. NURSING**

**NSG-608 A and B. SCHOLARLY PROJECT**

Credits: 6
Completed over the last 2 semesters of the DNP program.

In this capstone course, the student, under the guidance of a selected faculty member, will analyze and synthesize theoretical and empirical research relevant to a clinical practice issue. Students will design a comprehensive and holistic approach to this problem using evidence-based presentation. This course provides opportunity for additional clinical practice needed for the development of advanced nursing practice competencies. Required clinical hours for DNP clinical competency are dependent upon educational/clinical background. This could vary from 500 to 1000 hours.

**Pre-Requisites**

NSG-600, NSG-601, NSG-602, NSG-603, NSG-604, NSG-605, NSG-606, and NSG-607

**Co-Requisites**

At the discretion of the Chair, Graduate Nursing Program.

**NSG-410. TRANSITION TO BACCALAUREATE NURSING FOR THE GRADUATE NURSING STUDENT**

Credits: 7 (6 credits theory, 1 credit clinical)
Terms Offered: On Demand

This course is designed to facilitate the transition of RN students from other educational routes to baccalaureate education and professional nursing practice. The course focuses on the integration of knowledge, skills and attitudes in the development of the professional role to enhance quality outcomes for individuals, families, and populations across all healthcare settings and complex healthcare environments. Students will begin advancing their knowledge on the transformational concepts related to master’s education in nursing.
NSG-411. LEADERSHIP AND MANAGEMENT PRACTICUM FOR THE GRADUATE STUDENT  
Credits: 3 (2 credits theory, 1 credit clinical)  
This course prepares the RN to MSN student for professional role development in emerging health care delivery systems. The student synthesizes knowledge from previous nursing and supportive courses to manage care in an area of clinical practice consistent with career goals. Students will continue advancing their knowledge on the transformational concepts related to master’s education in nursing.

Pre-Requisites  
NSG-410

NSG-500. ADVANCED HEALTH ASSESSMENT  
Credits: 3  
This course presents an overview of the full and comprehensive health assessment of patients across the life span. Emphasis on multiple aspects of assessment including physical, functional, and mental health assessment along with transcultural variations, will prepare the student for advanced nursing practice. (Nurse Practitioner students are required to complete an onsite residency.)

NSG-501. THEORETICAL FOUNDATIONS OF NURSING SCIENCE  
Credits: 3  
This course emphasizes the systematic process of theory development in nursing. The role of traditional science in relation to other ways of knowing is explored. Students will describe, analyze, and evaluate current theories of nursing. The relationship of research and practice to theory is discussed.

NSG-502. ADVANCED NURSING RESEARCH  
Credits: 3  
This course builds on knowledge and skills developed in undergraduate research and statistics courses. Skills in the analysis and evaluation of nursing research are further developed. Students analyze the contributions of the empirical approach to the development of nursing science. Selected research designs and methodologies which are used to advance nursing knowledge are examined. Students are given the opportunity to critique and synthesize current research for its application to an identified problem in nursing practice.

NSG-504. ADVANCED ROLE DEVELOPMENT IN NURSING  
Credits: 3  
This course examines the development of roles for advancing nursing practice. The historical development of these roles along with current scope of practice in a variety of clinical settings will be explored. Focus will be placed on the legal, historical, political, social, and ethical aspects of advanced practice nursing.

NSG-505. HEALTH POLICY AND POLITICS FOR ADVANCING NURSING PRACTICE  
Credits: 3  
Complex and continuous changes in healthcare environments require that nursing professionals contribute to care delivery systems for improving population health outcomes. This course focuses on the role of the nurse advancing nursing practice through developing health policy, politics, and advocacy systems. Approaches to health issues for shaping policy on a local, state and federal level are analyzed in accordance with policy making processes, politics in healthcare and government, healthcare economics, and ethical frameworks.

NSG-506. ADVANCED PRACTICE IN ADULT GERONTOLOGY CLINICAL I  
Credits: 3  
Advance practice nursing students integrate theories from nursing and other sciences that are evidence-based and sensitive to cultural and ethical issues. Promoting quality outcomes in the adult-gerontology population across the spectrum of young adults, adults, and older adults is the focus of this clinical experience in primary care settings. Advanced health assessment, diagnostic reasoning, and development of therapeutic interventions for self-limiting conditions occurs. Opportunities for interdisciplinary experience and collaborative practice are provided. The seminar component of the course is designed to develop critical-thinking and clinical decision-making skills through case presentations. (Seminar, Residency and 250 clinical practice hours).

Pre-Requisites  
NSG-550

NSG-515. ADVANCED PRACTICE IN ADULT GERONTOLOGY CLINICAL II  
Credits: 3  
Advanced Practice nursing students integrate theories from nursing and other sciences that are evidence-based and sensitive to cultural and ethical issues. Promoting quality outcomes in the adult and gerontology population across the spectrum of young adults, adults, and older adults is the focus of this clinical experience in primary care settings. Advanced health assessment, diagnostic reasoning and development of therapeutic interventions for complex health conditions occurs. Opportunities for interdisciplinary experience and collaborative practice are provided. The seminar component of the course is designed to develop critical-thinking and clinical decision-making skills through case presentations. (Seminar, Residency and 250 clinical practice hours).

Pre-Requisites  
NSG-550

NSG-526. CLINICAL MODALITIES IN ADVANCED PSYCHIATRIC MENTAL HEALTH NURSING PRACTICE  
Credits: 3  
This course provides a foundation in the major systems of therapy for individuals and groups used in advanced psychiatric mental health nursing and other disciplines engaged in mental health practice. Focus will be on therapeutic modalities such as brief psychotherapy, group processes and practices, milieu therapy and crisis intervention as they relate to advanced nursing practice in mental health.

Pre-Requisites  
NSG-550, NSG-552

NSG-527. PSYCHOPATHOLOGY, THEORIES, AND ADVANCED CLINICAL MODALITIES  
Credits: 3  
This course focuses on the most frequently observed pathologies in psychiatry and mental health, the various conceptual models and theories related to the practice of psychiatric mental health nursing, and the most advanced clinical modalities congruent with the analysis of the best evidence.

Pre-Requisites  
NSG-550, NSG-552
NSG-530. ADVANCED PATHOPHYSIOLOGY  
Credits: 3  
This course provides an overview of the normal physiologic and pathologic mechanisms of disease and serves as one primary component of the foundation for clinical assessment, decision-making, and management. The course will prepare the advanced practice nurse for interpreting changes in normal function that results in symptoms indicative of illness in patients across the lifespan.

NSG-533. ADVANCED PHARMACOLOGY  
Credits: 3  
This course provides the basic principles of pharmacodynamics, pharmacokinetics, and pharmacotherapeutics for broad categories of drugs. Purpose of action, common interactions and contraindications of major drug categories are highlighted. Case studies are integrated to provide students the opportunity to demonstrate application of pharmacological theory in advancing nursing practice.

NSG-535. ADVANCED PRACTICE IN PSYCHIATRIC/MENTAL HEALTH NURSING I  
Credits: 3  
This foundational clinical course introduces students to advanced practice psychiatric nursing in a variety of mental health settings. Students acquire skills in completing comprehensive mental health assessments. Students identify and apply concepts, theories, and principles to the practice of individual, family, and group psychotherapy, with emphasis on process dynamics. Considerations and challenges in providing psychotherapy to culturally diverse individuals, families, and groups are explored and discussed. Skills are gained in assessing psychopathological symptoms across the lifespan and in implementing planned interventions. Students integrate theory and practice of the advanced practice psychiatric nurse in a supervised clinical practicum (Total: Residency and 250 practice hours).

Pre-Requisites  
NSG-550, NSG-552

NSG-536. ADVANCED PRACTICE IN PSYCHIATRIC/MENTAL HEALTH NURSING II  
Credits: 3  
This clinical course focuses on refining assessment, diagnosis, and pharmacological and psychosocial management of individuals of all ages with mental illness. Individual, family, and group psychotherapies are refined. Students gain skills in identifying individuals/populations at risk for mental illness and primary prevention in mental health. Mental health needs of culturally diverse, rural, and underserved populations are explored. Leadership and advocacy roles of the advanced practice psychiatric nurse as an agent of healthcare policy change are emphasized. Students integrate theory and practice of the advanced practice psychiatric nurse in a supervised clinical practicum (Total: Residency and 250 practice hours).

Pre-Requisites  
NSG-550, NSG-552

NSG-540. THE NURSING CURRICULUM: DEVELOPMENT AND IMPLEMENTATION  
Credits: 3  
This course provides a foundation to understand the core of knowledge of educational processes which undergird nursing education. Competencies needed by nurse educators are explored; principles, philosophies and theories of learning, curriculum development, professional socialization, and accreditation as well as legal requirements for nursing programs are discussed. The relationship between curricular design and accreditation standards is described.

NSG-541. TEACHING METHODOLOGIES AND STRATEGIES IN NURSING  
Credits: 3  
Building on knowledge of curriculum and learning, approaches to classroom and clinical teaching are explored. Learning outcomes as they relate to instructional teaching/learning interventions are developed. The use of instructional technology is included.

NSG-542. EVALUATION IN NURSING EDUCATION  
Credits: 3  
Evaluation methodologies from selection of applicants through the meeting of graduation requirements will be explored. Testing strategies and test reliability will be discussed. Classroom and clinical achievement will be included. Faculty evaluation as well as student measurement will be discussed.

NSG-544. CLASSROOM PRACTICUM IN NURSING EDUCATION  
Credits: 3  
This practicum provides the student an opportunity to actively participate in a faculty or staff development role within an educational setting. The student is required to obtain a mentor who will provide classroom learning experiences. (100 practicum hours required).

Pre-Requisites  
NSG-540, NSG-541, NSG-542

NSG-545. CLINICAL PRACTICUM IN NURSING EDUCATION  
Credits: 3  
This practicum provides the student an opportunity to actively participate in a faculty or staff development role within an educational setting. The student is required to obtain a mentor who will provide learning experiences within a clinical environment. (100 practicum hours required).

Pre-Requisites  
NSG-544
NSG-548. FAMILY NURSE PRACTITIONER ROLE WITH CHILDREN AND FAMILIES
Credits: 2
This course is designed to prepare Family Nurse Practitioner nursing students to provide primary health care to the pediatric client and their family. The course integrates nursing theories that are evidence-based with health assessment and diagnostic reasoning of acute primary care health problems. Health promotion, protection and disease prevention interventions are provided with consideration of culturally diverse populations.

Pre-Requisites
NSG-500, NSG-530, NSG-533, NSG-550

NSG-549. FAMILY NURSE PRACTITIONER CLINICAL WITH CHILDREN AND FAMILIES
Credits: 1
Family Nurse Practitioner nursing students integrate theories from nursing and other sciences that are evidence-based and sensitive to cultural and ethical issues. Promoting quality outcomes in the pediatric population across the lifespan is the focus of this clinical experience in primary care settings. Advanced health assessment, diagnostic reasoning and development of therapeutic interventions for complex health conditions occurs. Opportunities for interdisciplinary experience and collaborative practice are provided. The seminar component of the course is designed to develop critical-thinking and clinical decision-making skills through case presentations. (Seminar, Residency and 84 clinical practice hours)

Pre-Requisites
NSG-500 NSG-530 NSG-533 NSG-550

NSG-550. DIAGNOSTIC REASONING FOR NURSE PRACTITIONERS
Credits: 2
The nurse practitioner will develop processes for formulating differential diagnoses of acute and chronic physical and mental illnesses in the primary care setting across the life span. A case-study approach is integrated to prepare students for management of health status of patients through the implementation of strategies specific to the synthesis of data from multiple sources that promote quality of care outcomes for patients.

Pre-Requisites
NSG-500, NSG-530, NSG-533.

NSG-551. MENTAL HEALTH PERSPECTIVES OF CULTURALLY DIVERSE, RURAL, AND UNDERSERVED POPULATIONS
Credits: 2
This course is designed to examine the mental health perspectives of culturally diverse, rural, and underserved populations. Topics include, but are not limited to: cultural competence, cultural bound syndromes, cultural assessment, challenges faced by PMH-NPs in the mental health care of minorities, immigrants, refugees, and other underserved populations, and factors influencing mental health care and services in rural settings. In addition, this course will examine how health care reform will affect diverse individuals with mental illnesses. Knowledge gained from this course can be integrated into clinical practice.

NSG-552. PSYCHOPHARMACOLOGY
Credits: 2
This course is designed to assist the P-MH nurse practitioner to develop competence in prescribing and monitoring psychopharmacological agents used in the treatment of common psychiatric-mental health disorders across the lifespan. This course will examine the major classes of psychopharmacological agents on neurobiological function with a particular emphasis on the clinical management of target psychiatric symptoms. Drugs of abuse, side effects, issues of polypharmacy, and management of advanced practice prescriptive privileges are also explored.

Pre-Requisites
NSG-533
NSG-553. ADULT HEALTH PERSPECTIVES OF CULTURALLY DIVERSE, RURAL, AND UNDERSERVED POPULATIONS
Credits: 2
The course is designed to introduce the advanced practice nursing student to the issues of culturally diverse, rural and underserved populations. The theory can be integrated into clinical practice for adult-gerontology patients and families to promote understanding of differences and issues that impact comprehensive planning of health care services.

NSG-554. NURSE PRACTITIONERS IN PRIMARY CARE I
Credits: 3
This course is designed to prepare primary care nurse practitioner students to provide primary health care to the adult and older adult population during wellness and acute/episodic illness. The course integrates nursing theories that are evidence-based with health assessment and diagnostic reasoning of acute/episodic primary care health problems. Health promotion, protection and disease prevention interventions are provided with consideration of culturally diverse populations.

Pre-Requisites
NSG-550

NSG-555. NURSE PRACTITIONERS IN PRIMARY CARE II
Credits: 3
This course is designed to prepare primary care nurse practitioner students to provide chronic primary health care to the adult and older adult population. The course integrates nursing theories that are evidence-based with health assessment and diagnostic reasoning of chronic, primary health care problems. Health promotion, protection and disease prevention interventions are provided with consideration of culturally diverse populations.

Pre-Requisites
NSG-550

NSG-556. HEALTH PERSPECTIVES OF CULTURALLY DIVERSE, RURAL, AND UNDERSERVED POPULATIONS
Credits: 2
This course is designed to introduce the advanced practice nursing student to the issues of culturally diverse, rural and underserved populations. The theory can be integrated into clinical practice for patients and families in primary care settings to promote understanding of differences and issues that impact comprehensive planning of health care services.

NSG-560. HEALTHCARE OPERATIONS FOR THE NURSE EXECUTIVE
Credits: 3
This course prepares the nursing executive by examining the multiple administrative areas necessary for success at an executive level. The differences between US health care policy and the health care policies of various other countries will be explored. An analysis of select health care administration topics through the use of both individual and collaborative learning will prepare students to succeed in an ever-expanding, constantly changing health care environment.

NSG-561. ORGANIZATIONAL LEADERSHIP FOR THE NURSE EXECUTIVE
Credits: 3
This course examines the executive level leadership skills necessary to excel within the rapidly changing health care environment of the future. Emphasis is placed on understanding how the individualized leadership styles of today’s health care executives shape the culture and vision of the organizations of tomorrow. This course also provides an in-depth analysis of how building an autonomous, ethical, and diverse leadership team and workforce assists the executive in developing solutions to complex organizational problems.

Pre-Requisites
NSG-560

Co-Requisites
Taken concurrently with NSG 563 for the first eight weeks.

NSG-562. ADVANCED LEADERSHIP TOPICS FOR THE NURSE EXECUTIVE
Credits: 3
This course synthesizes previously established theory and skill sets to explore select advanced topics in health care leadership. The issues explored will assist the executive nurse in leading a health care organization during times of crisis or conflict as well as prosperity. Emphasis is placed on understanding health care as an intricate, dynamic organism which is in continual need of attention.

Pre-Requisites
NSG-561

Co-Requisites
Taken concurrently with NSG 564 for the first eight weeks.

NSG-563. NURSE EXECUTIVE PRACTICUM I
Credits: 3
This practicum course synthesizes previously established theory and skill sets to further develop the student’s administrative abilities. By applying theories from other sciences and utilizing interdisciplinary experiences and collaborative opportunities, the student will further enhance the skills necessary to excel as a health care executive in an evidence-based, culturally sensitive environment. The seminar component of this course is designed to supplement previous theoretical applications and stimulate critical-thinking and decision-making. (250 clinical hours)

Pre-Requisites
NSG-560

Co-Requisites
This 16-week course is taken concurrently with NSG 561 for the first eight weeks.
NSG-564. NURSE EXECUTIVE PRACTICUM II
Credits: 3
This practicum course synthesizes previously established theory and skill sets to further develop the student’s leadership abilities. By applying theories from other sciences and utilizing interdisciplinary experiences and collaborative opportunities, the student will further enhance the skills necessary to excel as a health care executive in an evidence-based, culturally sensitive environment. The completion of an organizational needs assessment within this course is designed to supplement previous theoretical applications and stimulate critical-thinking and decision-making. (250 clinical hours)

Pre-Requisites
NSG-561

Co-Requisites
This 16-week course is taken concurrently with NSG 562 for the first eight weeks.

NSG-565. FOUNDATIONS OF NURSING INFORMATICS
Credits: 3
Students are introduced to the role, scope, and standards which form the foundation for nursing informatics practice. The theoretical basis of the course incorporates both knowledge of nursing practice and health informatics. Students will explore the framework of data, information, knowledge, and wisdom to data application in healthcare for improving patient care.

NSG-566. DATA MANAGEMENT IN HEALTHCARE
Credits: 3
Database application in nursing and healthcare systems will be examined in this course. Students will learn database design, implementation, and management to support clinical decision making in nursing and healthcare project design and management.

NSG-567. NURSING INFORMATICS LEADERSHIP IN HEALTHCARE SYSTEMS AND PROJECT DESIGNS
Credits: 3
In this course students will explore the role of the informatics nurse specialist as nurse leader who combines knowledge of nursing practice and technology on healthcare teams. Theory and skills on performing system analysis and implementation of the systems design life cycle in project management.

NSG-568. NURSING INFORMATICS PRACTICUM I
Credits: 3
This course requires students to perform in the role of an informatics nurse specialist in a healthcare organization. In collaboration with a preceptor students will apply nursing informatics theory and models in developing a project which improves the quality of nursing care delivered in a healthcare setting. (Clinical Practicum Hours: 100)

Pre-Requisites
NSG-565, NSG-566, NSG-567

NSG-569. NURSING INFORMATICS PRACTICUM II
Credits: 3
This course requires students to perform in the role of an informatics nurse specialist in a healthcare organization. In collaboration with a preceptor students will apply nursing informatics theory and models to implement the project planned in NSG 568, which improves the quality of nursing care delivered in a healthcare setting. (Clinical Practicum Hours: 100)

Pre-Requisites
NSG-568

NSG-590. SCHOLARLY REVIEW
Credits: 3 (or 1 credit of national board certification preparation)
In this course the student will synthesize and review issues relevant to their specialty clinical practice. This course is designed as a review of the required masters level core nursing courses and specialty focused curriculum for advanced nursing practice. This course will provide an overview of both the required core nursing courses as well as each specific specialty course.

Students in the post graduate/APRN certificate programs can take this course for 1 credit of national board certification preparation.

Pre-Requisites
Completion of Graduate Nursing Core and Concentration courses.

NSG-600. NURSING INFORMATICS
Credits: 3
Students use information systems to analyze patient data, perform research, and evaluate project outcomes. The course will include applications in computer-based patient records, data-base management systems, e-health, distance education, and research. Legal and ethical issues associated with computer use are examined.

NSG-601. BIOSTATISTICS
Credits: 3
Statistics is the science whereby inferences are made about specific random phenomena on the basis of relatively limited sample material. It is widely used in biological, health, and social sciences, etc. Biostatistics is the branch of applied statistics that applies statistical methods to medical and biological problems.

NSG-602. ETHICAL PRINCIPLES FOR ADVANCED NURSING PRACTICE
Credits: 3
This course will analyze a broad range of ethical principles that impact the health professions, from euthanasia and abortion to informed consent and behavior control. Examination of the ethical, moral, and legal obligations within selected decision-making frameworks will be completed. Strategies to assist in the resolution of ethical dilemmas will be developed through the application of selected theories and concepts. Interaction between ethical, legal, and political events that affect advanced practice nursing will be explored.
NSG-603. APPLICATION OF NURSING RESEARCH
Credits: 3
This course analyzes research methods to appraise research literature for application to practice and evaluate practice outcomes in varied settings. Application of relevant research findings are used to generate practice guidelines, design evidence based interventions and examine patterns and predict outcomes. The collaborative role of the DNP in research is discussed.

Pre-Requisites
NSG-601

NSG-604. EPIDEMIOLOGY AND ENVIRONMENTAL HEALTH
Credits: 3
The purpose of this course is to examine the concepts and methods of epidemiological and environmental health analysis and their application to advanced nursing practice. The student will be able to integrate this knowledge into nursing practice in a variety of health care settings through research, program development, health policy and advocacy.

NSG-605. COLLABORATION IN HEALTH CARE DELIVERY
Credits: 3
This course focused on the knowledge and skills needed to promote collaboration with all members of the interdisciplinary health care team. Content will include exploration of the design, implementation, and evaluation of programs and policies for effective health care delivery.

NSG-606. DIVERSITY AND SOCIAL ISSUES
Credits: 3
This course focuses on cultural and social issues affecting members of a global society. A critical appraisal of health care disparities is emphasized and strategies for quality improvement are analyzed.

NSG-607. LEADERSHIP IN ADVANCED NURSING PRACTICE
Credits: 3
This course provides an opportunity for students to analyze theories of leadership and management as they relate to the multifaceted role in advanced nursing practice. The health care environment, with its ongoing changes in organization and financing, is impacted upon by changes in health policy, regulatory processes, and quality measures. The understanding of this content will prepare the student to provide quality cost-effective care, to participate in the design and implementation of care in a variety of health care systems, and to assume a leadership role in the managing of human, fiscal, and physical care resources.

NSG-609, DNP PROGRAM PRACTICUM I
Credits: 2
This course provides students pursuing a Doctor of Nursing Practice degree the opportunity for achieving additional clinical hours as required for meeting program outcomes. The focus is on preparing students as experts in a specific area for advancing nursing practice, for the final scholarly project. The student will develop a PICO statement for the scholarly project which will guide this intense practice immersion experience. The student will collaborate with an identified clinical mentor. (Elective; Clinical hours total: 150 hours/ 8 weeks/2 credits)

Pre-Requisites
NSG-600, NSG-601, NSG-602, NSG-603

NSG-610, DNP PROGRAM PRACTICUM II
Credits: 2
This course provides students pursuing a Doctor of Nursing Practice degree the opportunity for achieving additional clinical hours as required for meeting program outcomes. The focus is on preparing students as experts in a specific area for advancing nursing practice, for the final scholarly project. The student will begin to bridge knowledge gained from the intense practice immersion experience through application to a scholarly project implementation plan. The student will collaborate with an identified clinical mentor. (Elective; Clinical hours total: 150 hours/ 8 weeks/2 credits)

Pre-Requisites
NSG-609

NSG-615. INTRODUCTORY SEMINAR
Credits: 1
This seminar is a weekend residency that focuses on the dissertation process and student orientation to the university and PhD program.

NSG-616. PHILOSOPHY OF SCIENCE
Credits: 3
The focus of this course is to prepare doctoral student to examine the development and organization of nursing knowledge. Philosophies of science, epistemologies and their influence on knowledge development in the discipline of nursing, and strategies for theory development and analysis are explored.

Pre-Requisites
NSG-615

NSG-617. THEORY IN NURSING EDUCATION
Credits: 3
This course acquaints students with philosophical issues and nursing theories relevant to nursing education. An overview of central metaphysical, epistemological, and ethical system, considering specific issues in the philosophies of science and ethics that are of particular focus in nursing education.

Pre-Requisites
NSG-615

NSG-618. HEALTH CARE ISSUES AND POLICY
Credits: 3
The nurse researcher contributes towards the development of healthcare policy and politics in local, state, national, and global healthcare markets. Application and analysis of evidence based research on policy and politics will impact population health outcomes and the future of nursing education, research and practice.

Pre-Requisites
NSG-615
NSG-619. THE RESEARCH PROCESS  
Credits: 3  
This course introduces students to the process of in intellectual inquiry, focusing on the development of researchable problems, literature review, hypothesis generation, and sampling techniques within the context of descriptive and correlation research design and methods. Statistical Package for the Social Sciences (SPSS) software will be presented and practiced.

Pre-Requisites  
NSG-615

NSG-621. STATISTICS  
Credits: 3  
This course applies knowledge of statistical methods used in nursing research. Topics include parametric and non-parametric methods of data analysis and model building. Alternate approaches to analysis of data are considered.

Pre-Requisites  
NSG-619

NSG-622. WRITING FOR GRANTS AND PUBLICATION  
Credits: 3  
This course applies knowledge of statistical methods used in nursing research. Topics include parametric and non-parametric methods of data analysis and model building. Alternate approaches to analysis of data are considered.

Pre-Requisites  
NSG-619

NSG-623. QUANTITATIVE RESEARCH AND ANALYSIS I  
Credits: 3  
This course focuses on research methodologies that guide the design of studies which collect and analyze quantitative data. The focus will be on writing quantitative research questions and selecting appropriate research methodologies. Focus is placed on descriptive, correlational, experimental and quasi-experimental designs as applied to nursing problems.

Pre-Requisites  
NSG-619, NSG-621

NSG-624. QUALITATIVE RESEARCH AND ANALYSIS  
Credits: 3  
The focus of this course is on qualitative inquiry as an approach to the discovery of knowledge in the science of nursing. This course will focus on the scientific underpinnings, methodologies, and data analysis techniques in qualitative research for advancing nursing knowledge.

Pre-Requisites  
NSG-619, NSG-621

NSG-625. QUANTITATIVE RESEARCH AND ANALYSIS II  
Credits: 3  
This course builds on the understanding of quantitative designs in nursing and health related topics. The course provides the opportunity for applied practice in quantitative methods using common statistical tests and SPSS.

Pre-Requisites  
NSG-623

NSG-626. MEASUREMENT AND DATA COLLECTION  
Credits: 3  
This course provides an overview of principles of measurement, instrument design, and data collection methods. Methods to critically evaluate and select theoretically congruent instruments are explored.

Pre-Requisites  
NSG-621

NSG-627. SEMINAR II  
Credits: 3  
The student, in consultation with his/her chairperson, writes a Literature Review and identifies a Mode of Inquiry.

Pre-Requisites  

NSG-628. PHD COMPETENCY  
Credits: 1  
The comprehensive written examination is a series of questions that focus on the synthesis and integration of knowledge learned during doctoral coursework. Students demonstrate their ability and preparedness to move forward in the doctoral research program.

Pre-Requisites  
NSG-627; Authorization from student’s Chair to register for comprehensive examination

NSG-629. DISSERTATION SEMINAR  
Credits: 3  
This course focuses on completion of the first three chapters of the dissertation and submission of the proposal to the IRB committee(s) for approval. Students will then undertake proposal defense before continuing into dissertation implementation.

Pre-Requisites  
NSG-628
NSG-630. DISSERTATION IMPLEMENTATION I
Credits: 3
This course focuses on implementation of the student's doctoral research study. After completion of the first three chapters, successful proposal defense, and IRB approval, the student, under guidance from their chair, begins the data collection process. This course focuses on research methodologies that guide the design of studies which collect and analyze quantitative data. The focus will be on writing quantitative research questions and selecting appropriate research methodologies. Focus is placed on descriptive, correlational, experimental and quasi-experimental designs as applied to nursing problems.

Pre-Requisites
NSG-629

NSG-631. DISSERTATION IMPLEMENTATION II
Credits: 3
This course continues with the implementation of the dissertation. Students complete data collection and analysis thus, finalizing chapters 4 and 5 and satisfying final defense.

Pre-Requisites
NSG-630

Co-Requisites
All co-requisites for graduate nursing courses are at the discretion of the Chair, Graduate Nursing.