

MASTER OF SCIENCE IN NURSING (M.S.N.)

The **Master of Science in Nursing (MSN)** program (http://nursing.uthscsa.edu/programs/grad/msn_majors.aspx) is comprised of two majors: (1) Clinical Nurse Leader (CNL) and (2) Nursing Education. Students can enter the program as traditional Post-Baccalaureates in Nursing, completing 40-50 semester credit hours of graduate level coursework.

Admissions Requirements

Degree: M.S.N.

Specialization, Program of Study: Clinical Nurse Leader and Nursing Education.

Program Length: 2 - 3 Years

Admissions Requirements

To be considered for admission to the Master of Science in Nursing (M.S.N.) Program the following factors are required:

- Online application submitted via NursingCAS (<http://nursingcas.org/>). View a video overview (<http://www.screencast.com/t/TYbelPyAD/>) on completing NursingCAS application.
- NursingCAS application service fee
- bachelor's in Nursing
- Submit official transcript(s) from each post-secondary institution attended, even if no degree awarded, to NursingCAS. International transcripts must be evaluated by an accredited foreign credential service. *Visit the nursing admissions website for more information regarding international applicant requirements (<https://www.uthscsa.edu/academics/nursing/admissions/foreign-coursework/>).
- Grade Point Average of "B" (3.0 on a 4.0 scale) or higher on the student's last 60 hours of credit
- Official copy of Test of English as a Foreign Language (TOEFL) or International English Language Testing System (IELTS) score, if international applicant. TOEFL and IELTS scores can be no more than two (2) years old. A minimum TOEFL score of 550 is required on the paper examination; minimum 250 on the computer-based examination; or, minimum 68 on the internet based examination. A minimum IELTS score of 6.5 for graduate admission is required. TOEFL school code: 3383
- Licensure as a Registered Nurse in Texas or compact state with multistate privileges
- Current BLS for Healthcare Providers Certification through the American Heart Association.
- Current Required Immunizations (<http://catalog.uthscsa.edu/generalinformation/institutionalpolicies/immunizations/>)
- Proof of Current Health Insurance Coverage (<http://students.uthscsa.edu/studentlife/2013/03/health-insurance/>)
- Clear criminal background check
- Three professional references(Submit via NursingCAS application)
- Professional goal statement/essay (Submit via Supplemental Application, not via NursingCAS application)

- Current resume or curriculum vita
- School of Nursing application fee
- Interview and admission essay

Application Deadline: See School of Nursing Admissions (<https://www.uthscsa.edu/academics/nursing/programs/graduate/>) website

Start Term: fall

Contact:

Office of Admissions
School of Nursing
UT Health Science Center at San Antonio
7703 Floyd Curl Drive, MSC 7945
San Antonio, Texas 78229-3900
Phone: 210-567-0341
Toll Free: 877-235-0341
FAX 210-567-6189

<http://nursing.uthscsa.edu> (<http://nursing.uthscsa.edu/>)

Degree Requirements and Graduation

For the Master of Science in Nursing degree, a minimum of 36 semester credit hours of upper-division and graduate courses is required. All coursework must be completed within five years of enrollment in the program. A student must achieve no less than the total number of semester credit hours for the specific major/degree program, which may exceed 36 semester credit hours, in order to graduate.

The program of study includes required core courses and major courses.

To graduate, a student must have an overall minimum GPA of 3.0, at least a 3.0 average in nursing courses, no more than one C in a required course, and no incomplete grades.

The program is designed to be completed in 24 months of full-time study for entering in the fall, however, part-time enrollment is feasible within the program plan. Selected courses may be offered during summer sessions, but students should not anticipate completing the program by attending summer sessions only or by attending less than four regular semesters. A clinical preceptorship also may be required. Students have six years to complete a graduate or professional program under the catalog in effect when they initially registered.

Curriculum and Plans of Study

M.S.N. Semester Credit Hour Requirements

Graduate courses required for the M.S.N. vary per major. All master's students are required to take 24 hours of coursework in residence. The program is completed through full-time or part-time enrollment.

Clinical Nurse Leader (CNL)

The Clinical Nurse Leader is prepared to be a direct care provider accountable for the care outcomes of a clinical population or a specified group of patients/clients in a health care system. Clinical Nurse Leader graduates must complete a total of 40 semester credit hours.

Standards for the Clinical Nurse Leader M.S.N. program are established by The American Association of the Colleges of Nursing (AACN). Graduates are eligible for certification as a CNL.

CNL Courses - taken in addition to core courses Theoretical Core Courses for All Graduate Students

		Theory	Clinical	Lab	Cont	SCH
NURS 5306	Theoretical Foundations for Advanced Nursing Practice					3
NURS 5307	Translational Research for Advanced Nursing Practice					3
NURS 5356	Financial and Economic Evidence In Health Care					3
NURS 5339	Leadership and Health Policy for Quality and Safety					3
NURS 6315	Informatics & Health Care Technologies					3
Total Credit Hours:		0.0	0.0	0.0	0.0	15.0

Clinical Nurse Leader Major Courses ¹

		Theory	Clinical	Lab	Cont	SCH
NURS 5338	Advanced Pathophysiology					3
NURS 6302	Advanced Pharmacotherapeutics					3
NURS 6210	Advanced Health Assessment and Clinical Reasoning					2
NURS 6110	Advanced Health Assessment: Clinical Application		60			1
NURS 6380	Fundamentals of Epidemiology					3
NURS 6230	Clinical Nurse Leader 1: Role of The Adv. Generalist in Healthcare Microsystems					2
NURS 6233	Clinical Nurse Leader 1: Role Of The Adv Generalist In Healthcare Microsystems - Clin Applications		120			2
NURS 6120	Clinical Nurse Leader Role 2: Seminar					1
NURS 6822	Clinical Nurse Leader Role 2: Clinical Application For The Advanced Nursing Generalist		480			8
Total Credit Hours:		0.0	660.0	0.0	0.0	25.0

¹ 450 clinical hours apply to certification requirements

The Theoretical Core Courses for All Graduate Students courses and the Clinical Nurse Leader Major Courses are required for a total of 40 semester credit hours.

Nursing Education Courses Theoretical Core Courses for All Graduate Students

		Theory	Clinical	Lab	Cont	SCH
NURS 5306	Theoretical Foundations for Advanced Nursing Practice					3
NURS 5307	Translational Research for Advanced Nursing Practice					3
NURS 5356	Financial and Economic Evidence In Health Care					3
NURS 5339	Leadership and Health Policy for Quality and Safety					3
NURS 6315	Informatics & Health Care Technologies					3
Total Credit Hours:		0.0	0.0	0.0	0.0	15.0

Nursing Education Major Courses

		Theory	Clinical	Lab	Cont	SCH
NURS 5338	Advanced Pathophysiology					3
NURS 6302	Advanced Pharmacotherapeutics					3
NURS 6210	Advanced Health Assessment and Clinical Reasoning					2
NURS 6110	Advanced Health Assessment: Clinical Application		60			1
NURS 6260	Intro: Nursing Education Theories & Trends					2
NURS 6132	Population State of the Science					1
NURS 6262	Curriculum					2
NURS 6134	Clinical Application 1: Facilitation of Learning in an Academic Setting		60			1
NURS 6264	Strategies that Facilitate Learning Across Delivery Modalities and Systems					2
NURS 6136	Clinical Application 2: Facilitation of Learning in an Academic Setting		60			1

NURS 6266	Evaluation in Education					2
NURS 6138	Clinical Application 3: Facilitation of Learning Across Health Systems	60				1
Total Credit Hours:		0.0	240.0	0.0	0.0	21.0

Program Outcomes

At the completion of the program Masters of Science in Nursing (M.S.N.) graduates will demonstrate the following:

1. Integrate scientific findings from nursing and related sciences, including genetics and genomics, into the delivery of advanced nursing care to populations in diverse settings.
2. Demonstrate organizational and systems leadership to assure ethical and critical decision making at all systems' levels for quality and patient safety.
3. Incorporate performance improvement technologies for quality, safety, and patient-centered care delivery.
4. Use improvement science to achieve optimal patient care and care environmental outcomes.
5. Integrate meaningful and usable information systems and healthcare technologies to support and improve safe, quality patient care and healthcare systems effectiveness.
6. Advocate for policy changes that influence health care at appropriate levels.
7. Lead interprofessional teams using collaborative strategies to effect quality patient care and population health outcomes.
8. Analyze and incorporate broad ecological and social health determinants to design and deliver evidence-based clinical prevention and population health care and services to individuals, families, and aggregates/identified populations.
9. Integrate the advanced competencies expected of a master's-prepared nurse to design, deliver, and evaluate outcomes of systems of care for individuals, families, and diverse populations.

Graduate Program Policies

General Information

Information about academic progression, policies or procedures, as well as curriculum information, may be obtained from the Office for Academic Affairs.

Current Licensure as a Registered Nurse

Each graduate nursing student is required to maintain current licensure in good standing as a registered nurse in Texas, or a Compact State with multistate privileges, throughout the graduate program. Students must provide a copy of the license verification to the Office for Academic Affairs. Failure to maintain a current license in good standing or to produce proof of current licensure in good standing is grounds for dismissal from the program.

Advisement

Each student enrolled in the graduate program is assigned an advisor in the Office for Academic Affairs.

Transfer of Credit

Students may, with the approval of the Committee on Graduate Studies (COGS), transfer from another accredited institution a maximum of six semester credit hours (nine quarter hours) of graduate credit applicable to their course of study leading toward the Master of Science in Nursing.

Approval of any course for transfer, prior to registration for the course, is strongly recommended.

Approval of transfer credit requires that the student be enrolled in the graduate program. The student must complete a Request for Transfer of Credit form and submit it to the Office for Academic Affairs with an official course description from the catalog and must make certain that an official transcript, sent directly from the college or university attended, is in her/his file or request that a transcript be sent as soon as the course is completed. All courses must have been completed not more than five years before the degree is awarded. Courses in which a grade of **C** or less has been earned will not be accepted for transfer (see exception for students enrolled in the DNP Public Health Nurse Leader). The student may obtain additional information about materials that must be submitted with the petition from the Office for Academic Affairs.

Teaching Assistants

Opportunities are available for graduate nursing students enrolled part-time to work as teaching assistants in the School of Nursing. Interested applicants should contact the Office for Academic Affairs in the School of Nursing for additional information.

Honors

A graduate nursing student whose grade point average is 4.0 is awarded her/his degree with High Honors.

Grades and Grade Point Average

The standing of students in their work is expressed by five grades: **A** (above average graduate work), **B** (average graduate work), **C** (below average graduate work), **D** (failing graduate work), and **F** (failing graduate work). **D** and **F** grades are not acceptable for graduate credit. Students may also register in certain courses on a pass/fail basis, in which case the grade is recorded as either Pass (**P**) or Fail (**F**), and no letter grade is assigned.

Other symbols used in reporting the standing of students in their classes are: **W**=withdrawal from course; **I**=incomplete; **IP**=in progress (for selected courses); **S**=satisfactory; **U**=unsatisfactory; **P**=pass; **F**=fail; **AU** records an audited course. **U** is equivalent to a grade of **F**.

Courses in which a student receives a **D**, **F**, or **U** will not be counted toward the total number of courses and/or hours required for a graduate degree in the School of Nursing or the Graduate School of Biomedical Sciences. However, all grades (**A** to **F**) are included in the computation of the grade point average. In computing the grade point average, the following scale of points per semester credit hour is used:

A = 4 points (90-100)

B = 3 points (80-89)

C = 2 points (75-79)

D = 1 point (66-74)

F = 0 points (65 or below)

Note: Final numeric grades are calculated to two decimal places and rounded mathematically as follows:

- Less than 0.50 – round down to next whole number – (i.e. “89.49” would be rounded to “89”)
- 0.50 or greater – round up to next whole number – (i.e. “90.50” would be rounded to “91”)

Progression in the Graduate Program

To continue in the graduate program, a student must:

- absolve any contingencies related to program admission within the time period stated in the letter of admission, or within the first semester if not stated;
- maintain satisfactory progress (**B** average in first 9 hours);
- receive no more than one **C** in any course;
- maintain a minimum cumulative grade point average of **B** (3.0) for all courses taken while enrolled in the graduate program.

Scholastic Probation

A student whose cumulative grade point average falls below 3.0 will be placed on scholastic probation and warned that continuation in the graduate program is in jeopardy.

The progress of students on scholastic probation will be reviewed by the Committee on Graduate Studies (COGS) each semester. A student on scholastic probation will not be admitted to candidacy nor awarded a degree. Satisfactory progress toward the degree is required throughout the student's enrollment. The Committee on Graduate Studies (COGS) may terminate a student's enrollment at any time if the student does not meet the criteria for continuance in the program.

Probation Policy and Procedure

1. Definition: Probation is the status of the student whose progression in the program may be delayed, interrupted or conditional due to the criteria listed below.
2. Criteria for probation in the Nursing Program includes any one of the following:
 - a. Earning a grade of **C** in a graduate course
 - i. The student will be on probation the remainder of their program
 - b. Earning a grade in a graduate course that drops the GPA below 3.0
 - c. Failure to meet any of the School of Nursing Policies related to academic or professional conduct
 - d. Failure to meet the terms of professional integrity standards defined in the current University Catalog, the Texas State Board of Nursing Nurse Practice Act (http://www.bon.texas.gov/laws_and_rules_nursing_practice_act.asp), the Texas State Board of Nursing Rules and Regulations (https://www.bon.texas.gov/laws_and_rules_rules_and_regulations.asp.html) and

the American Nurses Association Code of Ethics (<https://www.nursingworld.org/practice-policy/nursing-excellence/ethics/code-of-ethics-for-nurses/>).

3. Probation Procedure:

- a. Initial Review of Recommendation for Probation
 - i. A student whom receives a final grade of **C** in a course will be notified of her/his probation status by the Office for Academic Affairs
 - ii. The student may present her/his case to the Associate Dean for Graduate Studies, if requested in writing, within three business days of notification of the probation recommendation. If the student wishes to bring a person outside of the School of Nursing to the meeting, he/she must indicate this in the request to the Associate Dean for Graduate Studies. If the person attending the meeting with the student is an attorney, the meeting will be held with the university attorney present.
- b. If a student is in validation of the criteria for probation, one or more of the following actions will occur:
 - i. Earning a Grade of **C** or a grade that drops the GPA below 3.0
 1. A written “Probation Letter of Expectation” that determines the length and conditions of the probation period which may include, but are not limited, any one of the following:
 - Referral of the student to resources and support services for academic success
 - Referral of the student to the faculty to devise a written plan for academic success
 - Referral of the student to the Associate Dean for Admissions and Student Services for non-academic support
 - ii. Failure to meet School of Nursing policies or failure to meet the terms of professional integrity standards defined in the current University Catalog, the Texas State Board of Nursing Nurse Practice Act (http://www.bon.texas.gov/laws_and_rules_nursing_practice_act.asp), the Texas State Board of Nursing Rules and Regulations (https://www.bon.texas.gov/laws_and_rules_rules_and_regulations.asp.html) and the American Nurses Association Code of Ethics (<http://www.nursingworld.org/MainMenuCategories/EthicsStandards/CodeofEthicsforNurses/>)
 1. The Associate Dean for Graduate Studies will present a recommendation for the “Probation Letter of Expectation” that determines the length and conditions of the probation to the Committee on Graduate Studies
 2. When indicated, the incident will be reported to the local law enforcement agency and/or other appropriate agencies, institutions, and/or regulatory bodies by the Associate Dean for Graduate Studies
 3. If the review of the recommendation for probation results in a recommendation for dismissal, the policy and procedure for dismissal will supersede the policy and procedure for probation

Dismissal Policy and Procedure

1. Definition: Dismissal is the removal of a student from the School of Nursing Graduate Program. A student who is dismissed from the graduate program may not continue in the graduate nursing program and is not eligible for readmission.

2. Criteria for Dismissal from the Graduate Nursing Program includes any one of the following:
 - a. Earning a grade of **D, F, or U**, in any graduate course
 - b. Earning a grade of **C** in six or more credit hours of graduate coursework regardless of cumulative GPA or in two required graduate courses regardless of the number of credit hours and cumulative GPA
 - c. Failure to meet the conditions of the School of Nursing "Probation Letter of Expectation"
 - d. Failure to meet the terms of professional integrity and ethical standards defined in the current University Catalog, the Texas State Board of Nursing Nurse Practice Act, the Texas State Board of Nursing Rules and Regulations and the American Nurses Association Code of Ethics. When indicated, the incident will be reported to the local law enforcement agency and/or other appropriate agencies, institutions, and/or regulatory bodies.
 - e. Failure to notify the school of non-matriculation for two consecutive semesters (excluding summers)
3. Dismissal Procedure
 - a. A student whom receives a grade of **D, F, or, U** in a course will be notified of his/her dismissal status by the Office for Academic Affairs
 - b. When a student meets criteria in provision 2 above, he or she will be dismissed from his or her program. The student will receive notification of dismissal via a certified letter from the Associate Dean for Graduate Studies also sent to the dean of the School of Nursing, the student's file in the Graduate Office and to the Registrar for the student's permanent record. The Associate Dean for Graduate Studies has full authority to proceed autonomously according to policy, but may choose to seek input from the Committee on Graduate Studies (COGS).
 - c. A student who is dismissed from his or her program is not eligible to register for additional courses. If the student has already registered for subsequent courses, the student will be required to unenroll.
4. Student Appeal of Dismissal
 - a. In the event of extenuating circumstances, a student may choose to appeal dismissal from his or her program. All appeals are presented to and reviewed by the Committee on Graduate Studies (COGS).
 - i. A request for appeal of dismissal and presentation to COGS must be sent by the student in writing to the Associate Dean for Graduate Studies within three business days of receiving the certified letter of dismissal. The student must indicate in the request if he or she wishes to bring a person outside of the School of Nursing to the meeting. If the person attending the meeting with the student is an attorney, the meeting will be held with the university attorney present. The student may also request to bring other appropriate faculty to the meeting with COGS. The Committee on Graduate Studies may request University employees or supervising clinical agency personnel attend the appeal or meet with them prior to deliberating. A review of the student's records may also be conducted.
 - ii. The Associate Dean for Graduate Studies will notify the student, in writing via email, that her or his case will be presented to the Committee on Graduate Studies. The written communication will include the date and time of the presentation. Student presentations are limited to a maximum of 15 minutes.
 - b. After the student presentation is concluded, and any additional information deemed appropriate to the situation is obtained, the Committee on Graduate Studies will review all information related to the criteria set forth in provision 2 for adherence to process and outcome actions. The faculty voting members of the Committee on Graduate Studies, in closed deliberation with the Associate Dean for Graduate Studies, can recommend one or more of the following actions:
 - i. Uphold the decision to dismiss the student from the School of Nursing Graduate Program
 - ii. Amend the dismissal decision to probation in the Graduate Nursing Program per explicit terms and expectations deemed appropriate by COGS and the Associate Dean for Graduate Studies
 - iii. Reconsideration of dismissal due to adherence concerns with process; including next steps
 - c. A written recommendation from the Chairperson of the Committee on Graduate Studies will be made to the dean of the School of Nursing.
 - d. The final decision will be made by the dean and will be delivered to the student in writing by certified letter to the student's address of record. A student who receives probation in the Graduate Nursing Program is not eligible to re-enroll in courses the semester immediately following the semester in which the student originally met criteria for dismissal. A student who is dismissed from the School of Nursing may not continue in the Graduate Nursing Program and is not eligible for readmission.

Petition

Students may petition the Committee on Graduate Studies (COGS) for the consideration of relevant issues influencing program progression and/or completion. Students who wish to petition COGS should consult with the Associate Dean for Graduate Studies, and then complete the Student Petition Form that is available from the Office for Academic Affairs. Decisions regarding the petition will be communicated in writing to the students.

Petitions for reconsideration of the decision of COGS are reviewed by the dean of the School of Nursing (<http://nursing.uthscsa.edu/>). **The dean's decisions are final.**

Repetition of a Course

Students cannot retake nursing courses for a grade in which they have already received a passing grade.

The Semester Credit Hour

The unit of measure for credit purposes is the semester credit hour. One semester credit hour is given for each one clock hour of class or one clock hour of seminar for didactic courses. Four clock hours per one semester credit hour of laboratory/practicum/computer lab experience per week, per semester is given in the Nurse Practitioner majors, Nursing Education major, Administrative Management and Clinical Nurse Leader majors and all tracks in the DNP Program. For selected sessions and summer sessions during which the class, seminar, and practicum hours are concentrated, equivalent clock hours are provided.

Examinations

Examinations must be taken on the date and time scheduled. If extenuating circumstances prevent the student from taking an examination, prior approval must be granted by the course instructor to postpone the examination. If a student misses an examination without

prior approval by the instructor, a grade of F will be recorded for the examination.

Readmission

Individuals who have previously been enrolled in graduate nursing courses should complete an Application for Readmission. Transcripts from any colleges or universities attended since the time of the previous enrollment in the graduate programs must be submitted. Applicants may be requested to provide recent professional references. Proof of current licensure as a registered nurse in Texas is also required.

Individuals who have not registered in three consecutive terms, including summers, must apply for readmission unless they were previously granted official permission for leave of absence. Students who do not return from leave of absence within the three consecutive terms limit will be withdrawn from the nursing program and will have to apply for admission as a new student.

Those seeking readmission are subject to all requirements, procedures, and acceptance considerations outlined in this catalog.

Courses

NURS 3110. Health Assessment: Clinical Application. 1 Credit Hour.

This course provides an opportunity for application of health assessment theory and skills in a simulated practice setting with emphasis on the adult and geriatric populations. Credit Hours: 1 semester hour (1 hour clinical skills laboratory). Corequisite: NURS 3204. Prerequisite: Admission to the Traditional B.S.N. track is required.

NURS 3204. Health Assessment: Theoretical Foundations. 2 Credit Hours.

This course focuses on the theory and practice of health assessment of individuals and families across the lifespan with emphasis on the adult and geriatric populations. Admission to the traditional undergraduate track is required. Corequisites: NURS 3110.

NURS 3205. Psychiatric and Mental Health: Theoretical Foundations. 2 Credit Hours.

This course focuses on the promotion, maintenance, and restoration of mental health across the lifespan with an emphasis on professional relationships, therapeutic communication, and the understanding of psychopathology. Successful completion of semester 5 is required. Clock hours: 2 semester hours (2 hours theory) Corequisites: NURS 3206.

NURS 3206. Psychiatric and Mental Health Nursing: Clinical Application. 2 Credit Hours.

This course provides the opportunity for clinical experience for nursing intervention development for promoting, maintaining, and restoring mental health across the lifespan integrating principles of professional relationships, therapeutic communication, and concepts of psychopathology. Clock hours: 2 semester hours (2 hours clinical). Corequisites: NURS 3205.

NURS 3207. Care Of Childbearing Families: Theoretical Foundations. 2 Credit Hours.

This course addresses holistic care of women and their families during the childbearing years with emphasis on health promotion and risk reduction. Successful completion of semester 5 is required. Clock hours: 2 semester hours (2 hours theory). Prerequisites: Successful completion of 5th semester. Corequisites: NURS 3208.

NURS 3208. Care Of Childbearing Families: Clinical Application. 2 Credit Hours.

This course provides opportunity for clinical application of holistic care of women and their families during the childbearing years with emphasis on health promotion and risk reduction. Clock hours: 2 semester hours (2 hours clinical) Corequisites: NURS 3207.

NURS 3270. Professional Socialization 2. 2 Credit Hours.

This course addresses professional values, ethical and legal foundations, principles of social justice, history of nursing, and the roles of the 21st Century nurse with an emphasis on safety and quality. Credit Hour Allocation: 2 semester hours (2 hours theory). Prerequisite: Admission to the Accelerated B.S.N. track is required.

NURS 3272. Health Assessment and Promotion: Theoretical Foundations. 2 Credit Hours.

This course focuses on the theory and practice of health assessment of individuals and families across the lifespan. Admission to the Accelerated Undergraduate Program is required. Credit Hour Allocation: 2 semester hours (2 hours theory). Corequisites: NURS 3273. Prerequisites: Admission to the Accelerated B.S.N. track is required.

NURS 3273. Health Assessment and Promotion: Clinical Application. 2 Credit Hours.

This course provides an opportunity for application of health assessment theory and development of skills in a simulated practice setting. 2 semester hours (2 hours clinical skills laboratory). Corequisite: NURS 3272. Prerequisite: Admission to the Accelerated B.S.N. track is required.

NURS 3274. Psychiatric and Mental Health Nursing: Theoretical Foundations. 2 Credit Hours.

This course focuses on the promotion, maintenance, and restoration of mental health across the lifespan with an emphasis on professional relationships, therapeutic communication, and the understanding of psychopathology. Credit Hour Allocation: 2 semester hours (2 hours theory). Successful completion of Semester 5 is required.

NURS 3275. Psychiatric and Mental Health Nursing: Clinical Application. 2 Credit Hours.

This course provides clinical experience for nursing intervention development for promoting, maintaining, and restoring mental health across the lifespan integrating principles of professional relationships, therapeutic communication, and concepts of psychopathology. Credit Hour Allocation: 2 semester hours (2 hours theory). Corequisites: NURS 3274.

NURS 3303. Concepts of Professional Nursing. 3 Credit Hours.

This course addresses professional role development integrating concepts of multidimensional care and skills of inquiry and analysis to inform clinical decision making, professional judgement, and lifelong learning. Prerequisite: Admission to the Traditional B.S.N. track is required.

NURS 3304. Pharmacotherapeutics. 3 Credit Hours.

This course provides the foundation for safe, effective drug therapy and the role of the nurse in health promotion, disease prevention, and management. Successful completion of semester 5 is required.

NURS 3305. Foundations of Clinical Nursing Practice: Clinical Application. 3 Credit Hours.

This course provides practice experience for clinical decision making and interventions with individuals, including a special focus on the older adult, in diverse settings using a patient centered, holistic, caring framework. The practice experience is conceptualized broadly to include virtual, simulated, or direct patient care experiences. Corequisites: NURS 3330. Prerequisite: Admission to the Traditional B.S.N. track is required.

NURS 3309. Pathophysiology. 3 Credit Hours.

This course focuses on concepts of pathophysiology essential to understanding the diseases and disabling conditions that can affect the body systems across the lifespan. Clock hours: 3 semester hours (3 hours theory). Prerequisite: Admission to the Traditional B.S.N. track is required.

NURS 3314. Pathophysiology (Alternate Entry). 3 Credit Hours.

This course focuses on concepts of pathophysiology essential to understanding the diseases and disabling conditions that can affect the body systems across the lifespan. Admission to the Graduate Nursing Alternate Entry Program is required to take this course.

NURS 3321. Transitions In Professional Nursing (Alternate Entry). 3 Credit Hours.

This course addresses continuing professional role development for Registered Nurses who are returning to school to prepare for advanced generalist roles as Clinical Nurse Leaders or Administrative Managers at the graduate level. The focus is on integrating multidimensional care, skills of inquiry and analysis, and a broadened focus on individuals, families, and populations to inform clinical reasoning in changing health care environments. Admission to the Graduate Nursing Alternate Entry MSN Program is required to enroll in this course.

NURS 3330. Foundations of Clinical Nursing Practice -Theoretical Foundations. 3 Credit Hours.

This course provides a scientific foundation for clinical practice with individuals in diverse settings using a concept-based, patient-centered, holistic framework. Prerequisite: Admission to the Traditional or Accelerated B.S.N. track is required.

NURS 3365. Pharmacology. 3 Credit Hours.

This course provides the foundation for safe, effective drug therapy and the role of the nurse in health promotion, disease prevention, and management. Successful completion of semester 5 is required.

NURS 3370. Pathophysiology. 3 Credit Hours.

This course focuses on concepts of pathophysiology essential to understanding the diseases and disabling conditions that can affect the body systems across the lifespan. Prerequisite: Admission to the Accelerated B.S.N. track is required.

NURS 3371. Foundations of Nursing Care: Clinical Applications. 3 Credit Hours.

In this course, the student will have the opportunity to develop foundational clinical competencies through virtual, simulated, or direct patient care experiences. Credit Hour Allocation: 3 semester hours (3 hours clinical). Corequisites: NURS 3330. Prerequisite: Admission to the Accelerated B.S.N. track is required.

NURS 3372. Family Nursing Care: Theoretical Foundations. 3 Credit Hours.

This course focuses on the care of families across the lifespan with emphasis on childbearing and childrearing families and their roles, functions, and dynamics with regard to health promotion and risk reduction. Successful completion of Semester 5.

NURS 3373. Family Nursing Care: Clinical Applications. 3 Credit Hours.

This course provides the opportunity for clinical application of nursing care for families across the lifespan with emphasis on childbearing and childrearing families and their roles, functions, and dynamics with regard to health promotion and risk reduction. Credit Hour Allocation: 3 semester hours (3 hours clinical). Prerequisites: Successful completion of semester 5. Corequisites: NURS 3372.

NURS 3374. Research and Evidence-Based Practice. 3 Credit Hours.

This course integrates concepts from research and information management that apply to the generation, appraisal, use, and dissemination of evidence that informs safe, quality nursing practice. Credit Hour Allocation: 3 semester hours (3 hours theory). Successful completion of semester 5.

NURS 3375. Research And Evidence Based Practice. 3 Credit Hours.

This course addresses the role of research in professional nursing practice including conduct of research, research sources utilization and dissemination, and principles and models of evidence-based practice. Successful completion of semester 5.

NURS 3376. Research and Evidence-Based Practice (Alternate Entry). 3 Credit Hours.

This course integrates concepts from research and information management that apply to the generation, appraisal, use, and dissemination of evidence that informs safe, quality nursing practice.

NURS 4210. Child and Family Health: Theoretical Foundations. 2 Credit Hours.

This course addresses holistic care of children and families with emphasis on health promotion, disease management, and injury prevention through therapeutic nursing assessment and intervention across environments. Credit Hour Allocation: 2 semester hours (2 hours theory). Successful completion of semester 6 is required.

NURS 4211. Child and Family Health: Clinical Application. 2 Credit Hours.

This course addresses holistic care of children and families with emphasis on health promotion, disease management, and injury prevention through therapeutic nursing assessment and intervention across environments. Credit Hour Allocation: 2 semester hours (2 hours clinical). Corequisites: NURS 4210.

NURS 4217. Population Focused Health: Clinical Application. 2 Credit Hours.

This course provides experience for application of population focused health promotion and disease and injury prevention based on determinants of local, national, and global health including lifestyle, environmental, cultural, and genetic factors. Credit Hour Allocation: 2 semester hours (2 hours clinical) Corequisites: NURS 4317.

NURS 4227. Population Focused Health: Clinical Applications. 2 Credit Hours.

This course provides clinical experience for application of population focused health promotion, and disease and injury prevention based on determinants of local, national, and global health including lifestyle, environment, cultural, and genetic factors. Credit Hour Allocation: 2 semester hours (2 hours clinical) Corequisites: NURS 4327.

NURS 4230. Leadership and Management: Clinical Application. 2 Credit Hours.

This course provides opportunity for clinical application of nursing leadership and management in diverse settings to promote quality patient outcomes. Credit Hour Allocation: 2 semester hours (2 hours clinical) Corequisites: NURS 4329.

NURS 4311. Care Of The Adult 1: Theoretical Foundations. 3 Credit Hours.

This course focuses on theoretical principles regarding holistic care of the adult experiencing chronic health problems within diverse settings. Credit Hour Allocation: 3 semester hours (3 hours theory). Prerequisites: Completion of Semester 6. Corequisite: NURS 4314.

NURS 4314. Care of The Adult 1: Clinical Application. 3 Credit Hours.

This course provides opportunity for clinical application regarding holistic care of the adult experiencing chronic health alterations. Successful Completion of Semester 6. Credit Hour Allocation: 3 semester hours (3 hours clinical). Prerequisites: Successful completion of semester 6. Corequisites: NURS 4311.

NURS 4315. Care of The Adult 2: Theoretical Foundations. 3 Credit Hours.

This course addresses holistic care of the acutely and critically ill adult experiencing complex health alterations while in acute care settings. Credit Hour Allocation: 3 semester hours (3 hours theory). Prerequisites: NURS 4311 and NURS 4314.

NURS 4316. Care of The Adult 2: Clinical Application. 3 Credit Hours.

This course provides clinical experience for holistic patient-centered care of the acutely and critically ill adult experiencing complex health alterations within acute care settings. Credit Hour Allocation: 3 semester hours (3 hours clinical) Corequisites: NURS 4315.

NURS 4317. Population Focused Health: Theoretical Foundations. 3 Credit Hours.

This course addresses population focused health promotion and disease and injury prevention based on determinants of local, national, and global health including lifestyle, environmental, cultural, and genetic factors. Credit Hour Allocation: 3 semester hours (3 hours theory). Successful completion of semester 7.

NURS 4319. Leadership and Management: Theoretical Foundations. 3 Credit Hours.

This course presents theoretical principles of nursing leadership and management in diverse settings to promote quality patient outcomes. Credit Hour Allocation: 3 semester hours (3 hours theory). Successful completion of semester 7 is required.

NURS 4320. Leadership and Management: Clinical Application. 3 Credit Hours.

This course provides opportunity for clinical application of nursing leadership and management in diverse settings to promote quality patient outcomes. Credit Hour Allocation: 3 semester hours (3 hours clinical). Corequisites: NURS 4319.

NURS 4327. Population Focused Health: Theoretical Foundations. 3 Credit Hours.

This course addresses population focused health promotion, and disease and injury prevention based on determinants of local, national, and global health including lifestyle, environmental, cultural and genetic factors. Successful completion of semester 7 is required.

NURS 4329. Leadership and Management: Theoretical Foundations. 3 Credit Hours.

This course presents theoretical principles of nursing leadership and management in diverse settings to promote quality patient outcomes. Credit Hour Allocation: 3 semester hours (3 hours theory). Successful completion of Semester 7 is required.

NURS 4333. Nursing Leadership: Theoretical Foundations. 3 Credit Hours.

This course presents theoretical principles of nursing leadership and management in diverse settings to promote quality patient outcomes. Clock Hours: 3 semester hours (3 hours theory). Prerequisites: NURS 3272 and NURS 3273.

NURS 4420. Transition To Professional Nursing Practice: Clinical Immersion. 4 Credit Hours.

This course is a clinical immersion experience designed to provide comprehensive learning opportunities that promote integration of baccalaureate learning outcomes to prepare the graduate for professional nursing practice. Completion of all Traditional B.S.N. track courses is required. Prerequisites: NURS 4317, NURS 4217, NURS 4319 and NURS 4320.

NURS 4423. Clinical Immersion. 4 Credit Hours.

This course facilitates the transition of the student into professional practice through preceptorship by Registered Nurses in a variety of settings. Credit Hour Allocation: 4 semester hours (4 hours clinical). Completion of all Accelerated B.S.N. track courses is required. Prerequisites: NURS 4327, NURS 4227, NURS 4329, and NURS 4230.

NURS 4501. Disease Management 1: Theoretical Foundations. 5 Credit Hours.

This course emphasizes nursing care and decision making regarding patients across the lifespan experiencing alterations in metabolism, circulation, oxygenation, elimination, immunology/inflammation, and sexuality. Successful completion of semester 6 is required. (5 hrs Theory).

NURS 4502. Disease Management 2: Theoretical Foundations. 5 Credit Hours.

This course emphasizes nursing care and decision making regarding patients across the lifespan experiencing alterations in coordination and control, cellular differentiation, cognitive/sensory, fluid and electrolytes, sepsis, and trauma. (5 hrs Theory) Prerequisites: NURS 4501.

NURS 4533. Disease Management III-Clinical Application. 5 Credit Hours.

This course is the clinical component for Disease Management I: Theoretical Foundations and Disease Management II: Theoretical Foundations that focuses on the nursing care and decision making related to multiple disease concepts across the lifespan. Concurrent or successful completion of NURS 4501 Disease Management I: Theoretical Foundations and NURS 4502 Disease Management II: Theoretical Foundations. Corequisites: NURS 4501, NURS 4502.

NURS 5219. Maximizing System and Human Resources to Improve Health. 2 Credit Hours.

This is one of a series of graduate level courses that provides the nursing management and leadership foundation necessary to create safe, healthy, professional environments that empower interdisciplinary health care teams to engage patients and deliver optimal patient and system outcomes. Integration of internal and external forces impacting complex adaptive healthcare systems sets the context for a focus on human resource management at a clinical unit, clinic, department and service level as well as building capacity for event response. Big data analysis, trending, and benchmarking complement best practices in human resourcing and employment law to manage current human and relational resources. Additional focus includes the role of strategic staff development in anticipation of market dynamics, quality and service demands, technology, artificial intelligence and advances in science; including genomics and epigenetics. Students emerge with the capacity to leverage complex internal and external system dynamics, evidence, and information in order to establish healthy work environments and to manage and lead healthcare teams that deliver safe quality outcomes.

NURS 5306. Theoretical Foundations for Advanced Nursing Practice. 3 Credit Hours.

In this course students analyze interdisciplinary theories that inform research, practice and scholarship in healthcare.

NURS 5307. Translational Research for Advanced Nursing Practice. 3 Credit Hours.

In this course students learn the application of research in nursing and healthcare. Emphasis is placed on interpreting, evaluating and translating research to improve practice and healthcare outcomes. Graduate standing is required to register for this course.

NURS 5338. Advanced Pathophysiology. 3 Credit Hours.

In this course, students focus on advanced pathophysiological processes across the lifespan, incorporating use of clinical reasoning skills to distinguish alterations across multiple physiological systems. Prerequisites: Graduate Standing. Open for Cross Enrollment on Space Available Basis.

NURS 5339. Leadership and Health Policy for Quality and Safety. 3 Credit Hours.

Leadership principles and theories germane to an increasingly complex, rapidly changing global healthcare landscape will be explored. Primary focus will be the development of change capacity and policy making within microsystems, mesosystems and microsystems to transform health. Global health impact, interprofessional collaboration, and advocacy initiatives will be explored. Course content will include complexity theory and continuous quality improvement models, processes and tools to realize measurable health outcomes. Analysis will include political, demographic and economic forces that influence health policy and professional practice. Nuanced ethical and legal dimensions of practice will be explored. Reflective analysis of individual student leadership development will frame learning application. Graduate standing is required to register for this course. Open for Cross Enrollment on Space Available Basis.

NURS 5356. Financial and Economic Evidence In Health Care. 3 Credit Hours.

The student is introduced to the economic and financial factors affecting practice in a complex healthcare environment. Principles of healthcare economics, third party reimbursement, developing budgets, variance and economic evaluation methods, are considered.

NURS 6071. Supervised Teaching. 1-6 Credit Hours.

Directed teaching in the major area under close supervision of one or more faculty members is required of each doctoral student. Up to six semester credit hours toward a degree may be granted to the student who satisfactorily completes the graduate courses in Supervised Teaching in her/his area of study. (Optional).

NURS 6104. Integration and Transition Seminar. 1 Credit Hour.

This course provides students the opportunity to share their individual micro-meso-macro systems analyses, experiences and insights and to extend their learning through collective dialogue. Practicum project successes and lessons learned will form the basis of student discussions focused on strategic and operational decision making and problem solving, human and resource management, interprofessional relationships and the related roles and responsibilities of nurse leaders / nurse executives across the continuum of care. Discoveries, challenges and developmental plans related to the leader within will be explored. Constructive reflection and peer coaching will be used to lay the foundation for student success. Prerequisites: NURS 5219, NURS 6405, NURS 6314. Corequisites: NURS 6313, NURS 6331, NURS 6330.

NURS 6108. Nursing Administration Practicum 1. 1 Credit Hour.

This introductory nursing administration practicum provides an opportunity for the student to utilize specialization specific tools and competencies to explore the leader within themselves and to identify personal challenges and opportunities for professional success. Students will assess leadership roles in their desired area of focus and establish a personal plan for professional development to assume desired roles. While locally focused, students will also explore the interconnection of local health and nursing leadership to global health. Identification and establishment of a program sustaining preceptorship with an experienced nurse executive in a selected institutional or community-based health care setting to accomplish the student's professional development plan is the defining accomplishment of this course. Prerequisite: NURS 5339.

NURS 6110. Advanced Health Assessment: Clinical Application. 1 Credit Hour.

Students will apply advanced health assessment techniques in the performance of focused and comprehensive health assessments of clients across the lifespan. Clinical reasoning, analysis, and synthesis of history and physical assessment data and diagnostic reasoning skills are developed. Prerequisites: An undergraduate health assessment course or comparable equivalent, NURS 6338. Corequisites: NURS 6210.

NURS 6111. Psychiatric Mental Health Nurse Practitioner (PMHNP)**Diagnosis and Management: Clinical Seminar 1. 1 Credit Hour.**

The focus of this course is integration and reflection of the Psychiatric Mental Health Nurse Practitioner (PMHNP) student's core knowledge in health promotion, diagnosis and management in the care of patients and families with psychiatric disorders across the healthcare delivery system. The seminar course is designed to promote analysis and synthesis of the clinical experience through faculty mentoring, documentation of patient encounters, discussions, and scholarly clinical presentations. Prerequisites: NURS 6410, NURS 6411. Corequisites: NURS 6419, NURS 6219.

NURS 6119. Psychiatric Mental Nurse Practitioner (PMHNP) Diagnosis and Management Clinical Seminar 2. 1 Credit Hour.

The focus of this course is integration and reflection of the Psychiatric Mental Health Nurse Practitioner (FNP) student's core knowledge in health promotion, diagnosis and management in the care of patients and families with psychiatric disorders across the healthcare continuum. The seminar course is designed to promote analysis and synthesis of the clinical experience through faculty mentoring, documentation of patient encounters, discussions, and scholarly clinical presentations. Prerequisites: NURS 6410, NURS 6411, NURS 6219, NURS 6419, NURS 6111. Corequisites: NURS 6420.

NURS 6120. Clinical Nurse Leader Role 2: Seminar. 1 Credit Hour.

This seminar is designed to provide students enrolled in the CNO capstone clinical course the opportunity to discuss and analyze leadership challenges in the development and implementation of the CNL role in various health care microsystems. Clock hours: 1 semester class hour (15 clock hours class). Prerequisite: NURS 6230 and NURS 6233. Corequisites: NURS 6822.

NURS 6124. Pediatric Nurse Practitioner Primary Care Diagnosis and Management: Clinical Seminar 1. 1 Credit Hour.

The focus of this course is integration and reflection of the Pediatric Nurse Practitioner (PNP) student's core knowledge in health promotion, health protection, diagnosis and management in the care of children families in the primary healthcare setting. The seminar course is designed to promote analysis and synthesis of the clinical experience through faculty mentoring, documentation of patient encounters, discussions, and scholarly clinical presentations. Prerequisites: NURS 6421, NURS 6422. Corequisites: NURS 6424, NURS 6224.

NURS 6125. Pediatric Nurse Practitioner Primary Care (PNP-PC) Diagnosis and Management Clinical Seminar 2. 1 Credit Hour.

The focus of this course is integration and reflection of the Pediatric Nurse Practitioner (PNP) student's core knowledge in health promotion, health protection, diagnosis and management in the care of children families in the primary healthcare setting. The seminar course is designed to promote analysis and synthesis of the clinical experience through faculty mentoring, documentation of patient encounters, discussions, and scholarly clinical presentations. Corequisites: NURS 6425. Prerequisites: NURS 6421, NURS 6422, NURS 6224, NURS 6424, NURS 6124.

NURS 6130. Nurse Practitioner Conceptual Basis For Advanced Practice Nursing. 1 Credit Hour.

The purpose of this course is to provide a conceptual basis for advance practice nursing. Students examine nurse practitioner competencies with emphasis on acquiring knowledge and skills to assume leadership roles in health care delivery, health policy, and complex health care systems. Research and quality improvement mechanisms to implement change are explored. Prerequisites: NURS 6119, NURS 6125, NURS 6137, NURS 6154, NURS 6420, NURS 6425, NURS 6438, NURS 6458, NURS 7302, NURS 7322.

NURS 6132. Population State of the Science. 1 Credit Hour.

This course provides a foundation for understanding of evidence-based clinical prevention and population care and services to individuals, families and aggregates/identified populations through the identification of key competencies and relevant and predictable learning opportunities in their practice settings.

NURS 6134. Clinical Application 1: Facilitation of Learning in an Academic Setting. 1 Credit Hour.

This practicum course provides students the opportunity to explore the scope and responsibilities of teaching in an academic setting; including exposure to regulatory processes and faculty governance, as well as, faculty practice, service research and scholarship activities. Students will also begin direct engagement in teaching students in their area of practice or population foci in classroom, online, lab, simulation and clinical settings. Prerequisites: NURS 6132 and NURS 6260 Corequisites: NURS 6262.

NURS 6135. Adult-Gerontology Acute Care Nurse Practitioner (AGACNP) Diagnosis and Management Clinical Seminar 1. 1 Credit Hour.

The focus of this course is integration and reflection of the Adult Gerontology Acute Care Nurse Practitioner (AGACNP) student's core knowledge in health promotion, diagnosis and management in the care of patients and families in the acute healthcare setting. The seminar course is designed to promote analysis and synthesis of the clinical experience through faculty mentoring, documentation of patient encounters, discussions, and scholarly clinical presentations. Prerequisites: NURS 6435, NURS 6436. Corequisites: NURS 6437, NURS 6235.

NURS 6136. Clinical Application 2: Facilitation of Learning in an Academic Setting. 1 Credit Hour.

This practicum course provides students the opportunity to expand direct engagement in teaching students in their area of practice or population foci in classroom, online, lab, simulation and clinical settings. Focus is on assuming a beginning leadership role in designing and implementing learning modules and strategies that support curriculum outcomes and reflect best practices, as well as, assumption of clinical teaching responsibilities and course maintenance in collaboration with faculty preceptor. Prerequisites: NURS 6132, NURS 6260, NURS 6262, and NURS 6134 Corequisites: NURS 6264.

NURS 6137. Adult-Gerontology Acute Care Nurse Practitioner (AGACNP) Diagnosis and Management Clinical Seminar 2. 1 Credit Hour.

The focus of this course is integration and reflection of the Adult Gerontology Acute Care Nurse Practitioner (AGACNP) student's core knowledge in health promotion, diagnosis and management in the care of patients and families in the acute healthcare setting. The seminar course is designed to promote analysis and synthesis of the clinical experience through faculty mentoring, documentation of patient encounters, discussions, and scholarly clinical presentations. Prerequisites: NURS 6435, NURS 6436, NURS 6235, NURS 6437, NURS 6135. Corequisites: NURS 6438.

NURS 6138. Clinical Application 3: Facilitation of Learning Across Health Systems. 1 Credit Hour.

This practicum course provides students the opportunity to explore the scope and responsibilities of educators in community health system environments. Clinical activities support understanding responsiveness to human resourcing, competency maintenance, safety, and staff development for enhanced clinical and system outcomes. Additional focus includes use of technology and informatics applications that support learning in diverse practice settings. Prerequisites: NURS 6132, NURS 6260, NURS 6262, NURS 6134, NURS 6264 and NURS 6136 Corequisites: NURS 6266.

NURS 6140. Special Population Pharmacology: Applied Psychopharmacology (PMHNP). 1 Credit Hour.

This course is designed to build upon the psychiatric mental health nurse practitioner student's prior knowledge of advanced pharmacology to develop the knowledge and skills necessary for practical application of psychopharmacologic medications in the treatment of mental illness across the lifespan. The focus is on the neurobiological and psychopharmacological principles for the clinical management of psychotropic medications in the treatment of mental illnesses; integrating neuroanatomy, pharmacogenomics, neurophysiology, pathophysiology, pharmacology and behavioral science. Prerequisites: NURS 6338, NURS 6302, NURS 6210, NURS 6110. Open for Cross Enrollment on Space Available Basis.

NURS 6141. Pediatric Nurse Practitioner Primary Care (PNP-PC) Clinical Skills and Laboratory Science. 1 Credit Hour.

In this course students examine the relationships between abnormal physiology and diagnostic testing and how to analyze, select, and interpret laboratory studies in the context of clinical decision making as a nurse practitioner. Students will apply their knowledge of physiology, pathophysiology, microbiology, and evidence-based processes to diagnostic and therapeutic procedures performed by nurse practitioners specific to their scope of practice. Prerequisites: NURS 6338 and NURS 6302. Open for Cross Enrollment on Space Available Basis.

NURS 6143. Family Nurse Practitioner (FNP) Clinical Skills and Laboratory Science. 1 Credit Hour.

In this course, students examine the relationships between abnormal physiology and diagnostic testing and how to analyze, select, and interpret laboratory studies in the context of clinical decision making as a nurse practitioner. Students will apply their knowledge of physiology, pathophysiology, microbiology, and evidence-based processes to diagnostic and therapeutic procedures performed by nurse practitioners specific to their scope of practice. Prerequisites: NURS 6338 and NURS 6302. Open for Cross Enrollment on Space Available Basis.

NURS 6144. Special Population Pharmacology: Applied Pediatric Pharmacology (FNP and PNP). 1 Credit Hour.

This course is designed to build upon the family and pediatric nurse practitioner student's knowledge of pharmacokinetics and pharmacodynamics to develop comprehensive prescription plans for acute, chronic, and mental health conditions commonly found in the pediatric primary care population. Prerequisites: NURS 6338 and NURS 6302. Open for Cross Enrollment on Space Available Basis.

NURS 6145. Special Population Pharmacology: Applied Critical Care Pharmacology (AGACNP). 1 Credit Hour.

This course is designed to build upon the adult gerontology acute care nurse practitioner student's knowledge of pharmacokinetics and pharmacodynamics to develop comprehensive prescription plans for acute, chronic, complex and critically ill older adolescent and adult patients. Prerequisites: NURS 6338 and NURS 6302. Open for Cross Enrollment on Space Available Basis.

NURS 6147. Adult-Gerontology Acute Care Nurse Practitioner (AGACNP) Clinical Skills and Laboratory Science. 1 Credit Hour.

In this course students examine the relationships between abnormal physiology and diagnostic testing and how to analyze, select, and interpret laboratory studies in the context of clinical decision making as a nurse practitioner. Students will apply their knowledge of physiology, pathophysiology, microbiology, and evidence-based processes to diagnostic and therapeutic procedures performed by nurse practitioners specific to their scope of practice. Prerequisites: NURS 6338 and NURS 6302. Open for Cross Enrollment on Space Available Basis.

NURS 6149. Psychotherapy for the Psychiatric Mental Health Nurse Practitioner (PMHNP). 1 Credit Hour.

This course introduces the psychiatric mental health nurse practitioner student to the theory and practice of psychotherapy. Students examine theories and techniques which provide clinically therapeutic interventions with adults and children. Students explore models of psychotherapy consistent with current professional research and practice. The primary focus is on Person-Centered therapy, Cognitive Behavior Therapy, and Supportive Psychotherapy. Prerequisites: NURS 6338 and NURS 6302. Open for Cross Enrollment on Space Available Basis.

NURS 6153. Family Nurse Practitioner (FNP) Diagnosis and Management: Clinical Seminar 1. 1 Credit Hour.

The focus of this course is integration and reflection of the Family Nurse Practitioner (FNP) student's core knowledge in health promotion, health protection, diagnosis and management in the care of patients and families in the primary healthcare setting. The seminar course is designed to promote analysis and synthesis of the clinical experience through faculty mentoring, documentation of patient encounters, discussions, and scholarly clinical presentations. Prerequisites: NURS 6453, NURS 6454. Corequisites: NURS 6457, NURS 6254.

NURS 6154. Family Nurse Practitioner (FNP) Diagnosis and Management Clinical Seminar 2. 1 Credit Hour.

The focus of this course is integration and reflection of the Family Nurse Practitioner (FNP) student's core knowledge in health promotion, health protection, diagnosis and management in the care of patients and families in the primary healthcare setting. The seminar course is designed to promote analysis and synthesis of the clinical experience through faculty mentoring, documentation of patient encounters, discussions, and scholarly clinical presentations. Prerequisites: NURS 6453, NURS 6454, NURS 6254, NURS 6457, NURS 6153. Corequisites: NURS 6458.

NURS 6202. Nursing Administration Practicum 2. 2 Credit Hours.

This course continues the program's sustaining preceptorship and builds on the Practicum 1 foundation in three ongoing areas of leadership development: the leader within each student, a complexity based system analysis, and the application of theory through a clinical practicum project. Students will have the opportunity to engage in the system actively in order to begin a micro-meso-macro systems analysis and to establish project specific relationships. A systematic evaluation of opportunities for improvement will provide the basis for practicum project selection. The semester will culminate with the involved stakeholder's commitment to a general plan and timeline for practicum project implementation and evaluation. Students will reflect on their development across the semester and identify areas for ongoing growth as they plan for their next practicum. Portfolio development will continue. Prerequisites: NURS 5339, NURS 5306, NURS 6315, NURS 6108. Corequisites: NURS 5356, NURS 5219, NURS 5307.

NURS 6210. Advanced Health Assessment and Clinical Reasoning. 2 Credit Hours.

This course will build upon health assessment skills developed in the professional nurse's basic educational program. The theoretical and clinical basis for health assessment by the advanced clinician will be developed. The process whereby the advanced clinician utilizes comprehensive history, physical, psychosocial, and cultural assessment across the lifespan to gather specific data relevant to common health problems is demonstrated. Students will develop clinical reasoning skills to begin to formulate differential diagnoses. Corequisites: NURS 6110. Prerequisites: NURS 6338.

NURS 6219. Psychiatric Mental Health Nurse Practitioner (PMHNP) Diagnosis and Management: Concepts & Theory 3. 2 Credit Hours.

This course provides the remaining theoretical basis for the competencies of the Psychiatric Mental Health Nurse Practitioner in health promotion, diagnosis, and management of patients with actual and potential psychiatric disorders listed in the Diagnostic & Statistical Manual of Mental Disorders across the lifespan. Emphasis is on integrating psychotherapy, psychopharmacology, complementary and alternative approaches to the treatment of patients across the continuum of care. Problem-based and self-directed learning strategies are used to review acute and chronic psychiatric disorders, analysis of data, formulation of differential diagnoses and development of patient-centered treatment plans in collaboration with families and interprofessional teams. Prerequisites: NURS 6338, NURS 6302, NURS 6210, NURS 6110, NURS 6410, NURS 6411. Corequisites: NURS 6111, NURS 6419.

NURS 6224. Pediatric Nurse Practitioner-Primary Care (PNP-PC) Diagnosis and Management: Concepts & Theory 3. 2 Credit Hours.

This course builds on the two prior PNP didactic courses and will further provide the BSN prepared nurse the competencies essential to practice nursing at the advanced practice level in the role of the primary care pediatric nurse practitioner (PNP). This is a hybrid course which means content is provided using a combination of face to face and on-line instruction. Case-based and self-directed learning strategies are used to promote student competency in health promotion, health protection, health assessment, and diagnosis and management of illness in the pediatric primary care setting. Additionally, this course emphasizes collaborative partnerships among patients, families, and other members of the health care team to ensure best outcomes for children, their families, and the community. Prerequisites: NURS 6338, NURS 6302, NURS 6210, NURS 6110, NURS 6421, NURS 6422. Corequisites: NURS 6124, NURS 6424.

NURS 6230. Clinical Nurse Leader 1: Role of The Adv. Generalist in Healthcare Microsystems. 2 Credit Hours.

The focus of this course is on assessment of clinical microsystems in healthcare settings to identify needed changes in clinical trajectory for patients within the system. Development of the role of the CNL as a patient care coordinator and educator for an interprofessional team is the aim of this course. Improving patient safety, quality outcomes, and planning for implementation of innovations in care based on evidence-based practice will be discussed. Clock hours: 30. Prerequisites: NURS 5339, NURS 5338, NURS 6210, NURS 6302, NURS 5306, NURS 5307, NURS 5356, NURS 6315, and NURS 6380.

NURS 6233. Clinical Nurse Leader 1: Role Of The Adv Generalist In Healthcare Microsystems - Clin Applications. 2 Credit Hours.

This course is a practicum course designed to assist the CNL in assessing a particular clinical microsystem of healthcare and designing educational programs for patients, families, and the interprofessional team. The focus of the assessment is on improving patient safety and selected quality outcomes based on evidence-based practice. Clock hours: 90 clinical clock hours, 30 hours clinical conference. Prerequisites: NURS 5339, NURS 5338, NURS 6210, NURS 6302, NURS 5306, NURS 5307, NURS 5356, NURS 6315, and NURS 6380. Corequisites: NURS 6230.

NURS 6235. Adult-Gerontology Acute Care Nurse Practitioner (AGACNP) Diagnosis & Management: Concepts & Theory 3. 2 Credit Hours.

This course fosters the progression of the Adult-Gerontology Acute Care Nurse Practitioner student's role transition in the areas of health promotion, disease prevention, diagnosis and management in high acuity practice settings for the young adult, adult and older adult with complex acute, critical and chronic health conditions. Emphasis is placed on using evidence-based practice to formulate individualized plans of care and developing collaborative partnerships with patients, their families and inter-professional teams. Prerequisites: NURS 6338, NURS 6302, NURS 6210, NURS 6110, NURS 6435, NURS 6436. Corequisites: NURS 6135, NURS 6437.

NURS 6250. Advanced Health Promotion, Health Protection, and Disease Prevention. 2 Credit Hours.

In this course, students analyze health promotion, health protection and disease prevention theories, research and strategies to reduce risk and improve health outcomes of individuals, families and communities. Students synthesize epidemiological, biostatistical, environmental and other evidence-based data to design interventions that promote health of diverse populations. Prerequisites: NURS 6320, NURS 7303. Corequisites: NURS 6380.

NURS 6254. Family Nurse Practitioner (FNP) Diagnosis and Management: Concepts & Theory 3. 2 Credit Hours.

This course provides the theoretical foundations for the competencies of the Family Nurse Practitioner (FNP) in health promotion, diagnosis and management in the primary healthcare setting for the pediatric patient and family. Problem-based and self-directed learning strategies are used to formulate differential diagnoses and develop evidence-based treatment plans for chronic and acute conditions affecting pediatric patients from birth to adolescence. Collaboration with interprofessional teams is examined as well as legal and ethical principles informing quality family-centered healthcare. Prerequisites: NURS 6338, NURS 6302, NURS 6210, NURS 6110, NURS 6453, NURS 6454. Corequisites: NURS 6153, NURS 6457.

NURS 6260. Intro: Nursing Education Theories & Trends. 2 Credit Hours.

This course will introduce the nursing education theories and trends that influence the development of nursing education programs in academic and service settings.

NURS 6262. Curriculum. 2 Credit Hours.

This course is designed to introduce the student to the process of curriculum development. The teaching and learning processes are examined from the standpoint of education and nursing research and the effect on various curriculum patterns. Students are introduced to selected learning theories and strategies to promote critical thinking and active learning. The course provides opportunity for examination for factors that influence curriculum development, implement, and evaluation in interprofessional education. Prerequisites: NURS 6132 and NURS 6260. Corequisites: NURS 6134.

NURS 6264. Strategies that Facilitate Learning Across Delivery Modalities and Systems. 2 Credit Hours.

This course focuses on theory and evidence based strategies enacted to create successful learning and environments; including responsiveness to individual student and staff characteristics and learning needs, desired outcomes, content and context. Additional focus includes technology and informatics applications that support learning in classroom, distance, skills lab, simulation, clinical education, and health care systems practice sites. Prerequisites: NURS 6132, NURS 6260, NURS 6262 and NURS 6134. Corequisites: NURS 6136.

NURS 6266. Evaluation in Education. 2 Credit Hours.

This course is designed to introduce the student to the process of curriculum evaluation. Strategies for assessing and evaluating learning outcomes will be examined. Students are introduced to methods of classroom and clinical evaluation. The course provides opportunity for examination of comprehensive program evaluation. Prerequisites: NURS 6132, NURS 6260, NURS 6262, NURS 6134, NURS 6132, NURS 6138 and NURS 6136. Corequisites: NURS 6138.

NURS 6302. Advanced Pharmacotherapeutics. 3 Credit Hours.

This course provides the opportunity to acquire advanced knowledge and skills in the therapeutic use of pharmacologic agents. The pharmacologic treatment of major health problems will be explored. Principles of pharmacokinetics, pharmacodynamics, and pharmacogenomics will be examined. The effects of culture, ethnicity, age, pregnancy, gender and funding on pharmacologic therapy will be emphasized. Legal aspects of prescribing will be fully addressed. The prerequisite does not apply to CRNA track students. Prerequisites: NURS 6338 Open for Cross Enrollment on Space Available Basis.

NURS 6312. Advanced Mental Health Concepts. 3 Credit Hours.

The focus of this course is developing the theoretical basis for advanced practice nursing in mental health using a holistic perspective to examine the etiology, meaning and consequences of human behavior. Graduate Standing is a prerequisite for this course.

NURS 6313. Program Planning and Evaluation for Transitions, Transformation and Integration. 3 Credit Hours.

This course provides the opportunity to explore management problems in health care settings with an emphasis on program planning and evaluation. Using analytical and problem-solving skills, processes, strategies, and evidenced-based practice, students will be given the opportunity to develop theory-based interventions and evaluation strategies. Prerequisites: NURS 5356, NURS 5306 and NURS 5307. Corequisites: NURS 6331, NURS 6104.

NURS 6314. Nursing Administration Practicum 3. 3 Credit Hours.

This course continues the program sustaining preceptorship and the three ongoing areas of leadership development: the leader within each student, a complexity based system analysis, and the application of theory through a clinical practicum project. Students will be expected to actively engage in the system to further analyze system dynamics and to advance their project. A theory and evidenced based logic model demonstrating best practices for decision making, financial analysis, and evaluation will be developed to support and track full project implementation. Culmination of the semester will reflect the practicum project's full implementation and substantive progress toward completion. Students will again reflect on their development across the semester and to identify areas for ongoing growth as they plan for their final practicum. Portfolio development will continue. Prerequisites: NURS 5356, NURS 5306 and NURS 5307. Corequisites: NURS 6405.

NURS 6315. Informatics & Health Care Technologies. 3 Credit Hours.

This course addresses advanced leadership roles in the clinical setting related to information systems and patient care technology. The content focuses on information systems that assist in monitoring outcomes and quality improvement, patient safety, and evaluation and selection of patient care technology and consumer health information sources. Legal and ethical issues related to information systems and patient care technology will be explored. Prerequisites: NURS 6320, NURS 7303, NURS 7302. Open for Cross Enrollment on Space Available Basis.

NURS 6318. Grantsmanship. 3 Credit Hours.

This course consists of seminar and practicum on the topic of gaining financial support for research and/or demonstration projects in nursing and health care related areas. Students analyze the funding criteria of various agencies and techniques of strategic communication. Students project budget development and packaging of ideas as information basic to creating successful proposals. Using a research or demonstration project with which he/she is familiar, the student creates a funding proposal and participates in critiques of colleagues' proposals. Prerequisites: Graduate Standing.

NURS 6319. Psychiatric Mental Health Nurse Practitioner (PMHNP) Diagnosis and Management Clinical Application 3. 3 Credit Hours.

The focus of this clinical course is on the sustained integration of the Psychiatric Mental Health Nurse Practitioner essential knowledge in health promotion, diagnosis and management of patients and families with actual and potential psychiatric disorders across the lifespan and across the healthcare continuum. Emphasis is placed on care of patients and families with acute and chronic psychiatric disorders in collaboration with interprofessional teams using evidence-based and patient centered strategies. Prerequisites: NURS 6410, NURS 6411, NURS 6219, NURS 6419, NURS 6111, NURS 6420, NURS 6119.

NURS 6320. Theoretical Foundations for Advanced Nursing Practice. 3 Credit Hours.

In this course students explore and consider theories from nursing and related disciplines. Emphasis is placed on the role of theory to guide practice and care improvement. This course is a foundation for the advanced practice nurse to choose and use theories. Prerequisites: Graduate Standing.

NURS 6324. Pediatric Nurse Practitioner Primary Care (PNP-PC) Diagnosis and Management: Clinical Application 3. 3 Credit Hours.

This course will allow the student PNP to integrate prior theoretical knowledge and build on the previous clinical experience in a variety of pediatric clinical environments relevant to pediatric primary care. There will be a focus on health promotion, health protection, and the diagnosis and management of acute and chronic illnesses from birth through adolescence. Additionally, this course emphasizes collaborative partnerships among patients, families, and other members of the health care team to ensure best outcomes for children, their families, and the community. Prerequisites: NURS 6421, NURS 6422, NURS 6224, NURS 6424, NURS 6124, NURS 6425, NURS 6125.

NURS 6330. Nursing Administration Practicum 4. 3 Credit Hours.

This final practicum course in the program completes the sustaining preceptorship and the three ongoing areas of leadership development: the leader within each student, a complexity based system analysis, and the application of theory through a clinical practicum project. A summative complex systems analysis will be performed. Students will assume aspects of the nurse leader / nurse executive role as they finalize practicum project activities. Presentations of outcomes as well as plans for sustainability, and opportunities for continued improvement complete the student's project responsibilities. As the nursing administration practicum series ends the students will use the AONE Nurse Leader Competencies, as well as, their preferred professional future, to reflect on their development across the program. They will have the opportunity to build a personal professional action plan that supports their transition into the marketplace and is supported by their finalized academic portfolio. Prerequisites: NURS 6405, NURS 6314. Corequisites: NURS 6313, NURS 6331, NURS 6104.

NURS 6331. Economics and Advanced Financial Management. 3 Credit Hours.

This course covers advanced financial management concepts relevant to managing the business of healthcare. Key concepts covered include principles of advanced financial management, interpretation of financial statements, regulatory requirements imposed by payers and accreditors, advanced budgeting and variance analysis, forecasting, and productivity management. The role of the Administrative Nurse Manager in interprofessional financial planning for quality, safety, and financial stability will be addressed. Prerequisites: NURS 5356. Corequisites: NURS 6313, NURS 6104.

NURS 6335. Adult-Gerontology Acute Care Nurse Practitioner (AGACNP) Diagnosis and Management: Clinical App 3. 3 Credit Hours.

This course develops clinical competency and emphasizes the integration of theory, assessment and advanced therapeutics for the safe and patient-centered care of adults in a high acuity healthcare setting. Emphasis is placed on the management of acute, complex, and chronic health problems in the young adult, older adult, and elder adults as well as adults with critical illness under the direction of clinical preceptors. In addition, this course emphasizes collaborative partnership development between patients, their families, and inter-professional teams. Prerequisites: NURS 6435, NURS 6436, NURS 6235, NURS 6437, NURS 6135, NURS 6438, NURS 6137.

NURS 6338. Advanced Pathophysiology. 3 Credit Hours.

In this course, students focus on advanced pathophysiological processes across the lifespan, incorporating use of clinical reasoning skills to distinguish alterations across multiple physiological systems. Prerequisites: Graduate Standing. Open for Cross Enrollment on Space Available Basis.

NURS 6354. Family Nurse Practitioner (FNP) Diagnosis and Management: Clinical Application 3. 3 Credit Hours.

The focus of this clinical course is sustained integration of the Family Nurse Practitioner's (FNP) essential knowledge in health promotion, diagnosis and management of patients and families in the primary healthcare setting across the lifespan. Emphasis is placed on care of patients and families with acute and chronic health problems in collaboration with interprofessional teams using evidence-based and patient-centered strategies. Prerequisites: NURS 6453, NURS 6454, NURS 6254, NURS 6457, NURS 6153, NURS 6458, NURS 6154.

NURS 6380. Fundamentals of Epidemiology. 3 Credit Hours.

This course is designed to study the distribution and determinants of health and disease in human populations. Improving health by altering personal and environmental risk factors will be a major focus. Epidemiological research using technology and public health informatics will also be introduced. Prerequisites: Graduate Standing. Open for Cross Enrollment on Space Available Basis.

NURS 6405. Transforming Complex Healthcare Systems for Quality and Safety. 4 Credit Hours.

This course focuses on student comprehension of organizational systems from traditional theories and structures through complexity theory. The dynamic influences of external and internal environmental changes and contemporary influences at microsystem, mesosystem and macrosystem levels are explored. Students will analyze current and emerging problems related to multiple aspects of quality and safety within healthcare systems. The unique role of nursing in quality improvement, including conceptualization and redesign of effective care delivery models, and care environments that address gaps in science and delivery of patient care services will be explored. Prerequisites: NURS 5339 or NURS 6222.

NURS 6410. Psychiatric Mental Health Nurse Practitioner (PMHNP) Diagnosis and Management: Concepts & Theory 1. 4 Credit Hours.

This course provides the theoretical foundations for the Psychiatric Mental Health Nurse Practitioner. Students will use a holistic perspective to examine the etiologies, meaning and consequences of human behavior. Problem-based and self-directed learning strategies are used to learn methods for gathering data in conducting a psychiatric assessment, formulating differential diagnoses and developing evidence-based treatment recommendations with individuals and families across the lifespan. Collaboration with interprofessional teams is examined as well as legal and ethical principles informing psychiatric care. Prerequisites: NURS 6338, NURS 6302, NURS 6210, NURS 6110.

NURS 6411. Psychiatric Mental Health Nurse Practitioner (PMHNP) Diagnosis and Management: Concepts & Theory 2. 4 Credit Hours.

This course builds on theoretical foundations for the Psychiatric Mental Health Nurse Practitioner developed in the first Diagnosis and Management Course. Competencies are developed in health promotion, diagnosis, and management of patients and families with potential and actual psychiatric disorders across the lifespan. Emphasis is placed on integrating psychotherapy, psychopharmacology, complementary and alternative approaches to the treatment of patients across the continuum of care. Problem-based and self-directed learning strategies are used to review acute and chronic psychiatric disorders, analysis of data, formulation of differential diagnoses and development of patient-centered treatment plans in collaboration with families and interprofessional teams. Prerequisites: NURS 6338, NURS 6302, NURS 6210, NURS 6110, NURS 6410.

NURS 6412. Psychiatric Mental Health Nurse Practitioner Diagnosis and Mgmt: Concepts and Theory 1. 4 Credit Hours.

This course provides the theoretical basis for the competencies of the Psychiatric Mental Health Nurse Practitioner (PMHNP). This course lays the scientific foundation for independent practice as the RN transitions to the role of the Nurse Practitioner in health promotion, disease prevention, diagnosis and management of illness in psychiatric patients across the lifespan. Using self-directed learning strategies, disorders of approximately one half of the physiologic/psychological systems are examined. Psychotherapies and theories of half of psychopathology are surveyed. Additionally, this course emphasizes collaborative, partnership development among patients, families, and interprofessional teams. Prerequisites: NURS 5339, NURS 5306, NURS 5307, NURS 5356, NURS 6315, NURS 6250, NURS 5338, NURS 6302, NURS 6110, NURS 6210, NURS 6312.

NURS 6413. Advanced Physiology and Pathophysiology I. 4 Credit Hours.

This course will provide an in-depth analysis of the advanced principles related to the physiological and pathophysiological processes of the cardiovascular, pulmonary, and central nervous system for anesthetic management. Evident-based practice resulting from relevant research of pathophysiological disease states will be incorporate to develop interventions and a plan of care for patients with health status alterations throughout the lifespan and special populations. Prerequisites: Graduate Standing.

NURS 6416. Psychiatric Mental Health Nurse Practitioner (PMHNP) Diagnosis And Mgmt: Concepts & Theory 2. 4 Credit Hours.

The focus of this course is refinement of the Psychiatric Mental Health Nurse Practitioner (PMHNP) role in health promotion, disease prevention, diagnosis and management in psychiatric practice with diverse populations across the lifespan. Using problem-based and self-directed learning strategies, disorders of the remaining physiologic systems and psychiatric disorders are examined. Emphasis is placed on differentiating signs and symptoms to formulate possible diagnoses and determining the effect of the illness on the family. In addition, the nurse practitioner's role as a collaborative member of the interprofessional team will be evaluated. Prerequisites: NURS 5339, NURS 5306, NURS 5307, NURS 5356, NURS 6315, NURS 6250, NURS 5338, NURS 6302, NURS 6110, NURS 6210, NURS 6312 and NURS 6412.

NURS 6419. Psychiatric Mental Health Nurse Practitioner (PMHNP) Diagnosis and Management Clinical Application 1. 4 Credit Hours.

The focus of this clinical course is the integration of the Psychiatric Mental Health Nurse Practitioner essential knowledge in health promotion, diagnosis and management of patients and families with actual and potential psychiatric disorders across the lifespan and across the healthcare continuum. Emphasis is placed on care of patients and families with acute and chronic psychiatric disorders in collaboration with interprofessional teams using evidence-based and patient centered strategies. Prerequisites: NURS 6410, NURS 6411. Corequisites: NURS 6219, NURS 6111.

NURS 6420. Psychiatric Mental Health Nurse Practitioner (PMHNP) Diagnosis and Management Clinical Application 2. 4 Credit Hours.

The focus of this clinical course is on the continued integration of the Psychiatric Mental Health Nurse Practitioner essential knowledge in health promotion, diagnosis and management of patients and families with actual and potential psychiatric disorders across the lifespan and across the healthcare continuum. Emphasis is placed on care of patients and families with acute and chronic psychiatric disorders in collaboration with interprofessional teams using evidence-based and patient centered strategies. Prerequisites: NURS 6410, NURS 6411, NURS 6219, NURS 6419, NURS 6111. Corequisites: NURS 6119.

NURS 6421. Pediatric Nurse Practitioner-Primary Care (PNP-PC) Diagnosis and Management: Concepts & Theory 1. 4 Credit Hours.

This course provides the theoretical content for the BSN prepared nurse to acquire the competencies essential to practice nursing at the advanced practice level in the role of the primary care pediatric nurse practitioner (PNP). Case-based and self-directed learning strategies are used to promote student competency in health promotion, health protection, health assessment, and diagnosis and management of illness in the pediatric primary care setting. Additionally, this course emphasizes collaborative partnerships among patients, families, and other members of the health care team to ensure best outcomes for children, their families, and the community. Prerequisites: NURS 6338, NURS 6302, NURS 6210, NURS 6110.

NURS 6422. Pediatric Nurse Practitioner-Primary Care (PNP-PC) Diagnosis and Management: Concepts & Theory 2. 4 Credit Hours.

This course builds on the prior PNP didactic course and will further provide the BSN prepared nurse the competencies essential to practice nursing at the advanced practice level in the role of the primary care pediatric nurse practitioner (PNP). This is a hybrid course which means content is provided using a combination of face to face and on-line instruction. Case-based and self-directed learning strategies are used to promote student competency in health promotion, health protection, health assessment, and diagnosis and management of illness in the pediatric primary care setting. Additionally, this course emphasizes collaborative partnerships among patients, families, and other members of the health care team to ensure best outcomes for children, their families, and the community. Prerequisites: NURS 6338, NURS 6302, NURS 6210, NURS 6110, NURS 6421.

NURS 6423. Pediatric Nurse Practitioner (PNP) Primary Care Diagnosis And Management: Concepts And Theory 1. 4 Credit Hours.

This course provides the theoretical basis for the competencies of the Nurse Practitioners (NP). This course lays the scientific foundation for independent practice as the RN transitions to the role of the Nurse Practitioner in health promotions, disease prevention diagnosis and management of illness in primary healthcare practice in diverse infant, child and adolescent population. Using self-directed learning strategies, disorders approximately one half of the physiologic systems are examined. Additionally, this course emphasizes and collaborative partnership development among patients families and interprofessional teams. Clock Hours: 60 clock hours didactic Prerequisites: NURS 5306, NURS 5307, NURS 5356, NURS 5339, NURS 6210, NURS 6312, NURS 5338, NURS 6315, NURS 6250, NURS 6302, and NURS 6110.

NURS 6424. Pediatric Nurse Practitioner-Primary Care (PNP-PC) Diagnosis and Management: Clinical Application 1. 4 Credit Hours.

This course will allow the student PNP to integrate theoretical knowledge into a variety of pediatric clinical experiences relevant to pediatric primary care. There will be a focus on health promotion, health protection, and the diagnosis and management of acute and chronic illnesses from birth through adolescence. Additionally, this course emphasizes collaborative partnerships among patients, families, and other members of the health care team to ensure best outcomes for children, their families, and the community. Prerequisites: NURS 6421, NURS 6422. Corequisites: NURS 6224, NURS 6124.

NURS 6425. Pediatric Nurse Practitioner Primary Care (PNP-PC) Diagnosis and Management: Clinical Application 2. 4 Credit Hours.

This course will allow the student PNP to integrate prior theoretical knowledge and build on the previous clinical experience in a variety of pediatric clinical environments relevant to pediatric primary care. There will be a focus on health promotion, health protection, and the diagnosis and management of acute and chronic illnesses from birth through adolescence. Additionally, this course emphasizes collaborative partnerships among patients, families, and other members of the health care team to ensure best outcomes for children, their families, and the community. Prerequisites: NURS 6421, NURS 6422, NURS 6224, NURS 6424, NURS 6124. Corequisites: NURS 6125.

NURS 6428. Pediatric Nurse Practitioner (PNP) Primary Care Diagnosis And Management: Concepts And Theory 2. 4 Credit Hours.

The focus of this course is refinement of the Pediatric Nurse Practitioners role in health promotion, disease prevention, diagnosis and management in primary health care practice with diverse population from birth through adolescent. Using problem-based and self-direct learning strategies, disorders of the remaining physiologic system are examined. Emphasis is placed on differentiating signs and symptoms to formulate possible diagnosis and determining the effect of the illness on the family. In addition, practitioner role as a collaborative member of the interprofessional team will be evaluated. Clock hours: 60 hours. Prerequisites: NURS 5339, NURS 5306, NURS 5307, NURS 5356, NURS 6315, NURS 6250, NURS 5338, NURS 6302, NURS 6110, NURS 6210, NURS 6312 and NURS 6423.

NURS 6431. Advanced Pharmacology for Nurse Anesthesia. 4 Credit Hours.

This course applies the principles of pharmacology to anesthesia practice for an in-depth understanding. The course progresses to detailed exploration of the uptake, distribution, biotransformation, and elimination of currently used clinical anesthesia pharmacotherapeutics. Specific properties of anesthetic agents and commonly used adjunctive drugs are discussed and evaluated for appropriate application in clinical situations. Pharmacogenetic disorders with specific anesthesia implications are examined. Prerequisites: NURS 6210, NURS 6110, NURS 6302 and NURS 6413.

NURS 6432. Advanced Physiology and Pathophysiology II. 4 Credit Hours.

This course will provide an in-depth analysis of the advanced principles related to the physiological and pathophysiological processes of the endocrine, renal, hepatic, gastrointestinal, peripheral vascular, immune, and related organs for anesthetic management. Evidence-based practice resulting from relevant research of pathophysiological disease states will be incorporated to develop interventions and a plan of care for patients with health status alterations throughout the lifespan and special populations. Prerequisites: NURS 6413, CSAT 5502, NURS 6210, NURS 6110.

NURS 6435. Adult-Gerontology Acute Care Nurse Practitioner (AGACNP) Diagnosis & Management: Concepts & Theory 1. 4 Credit Hours.

This course introduces the student to the principles of diagnostic and treatment strategies utilized in acute/critical care settings by the Adult-Gerontology Acute Care Nurse Practitioner (AGACNP). The use of evidence-based practice is encouraged to develop a strong scientific foundation for independent and collaborative practice as the registered nurse transitions to the role of the AGACNP. The focus is in health promotion, disease prevention, diagnosis and management of common illnesses seen in the acute care setting affecting the young adult, adult and older adult populations. In addition, this course emphasizes collaborative partnership development between patients, their families and inter-professional teams. Prerequisites: NURS 6338, NURS 6302, NURS 6210, NURS 6110.

NURS 6436. Adult-Gerontology Acute Care Nurse Practitioner (AGACNP) Diagnosis & Management: Concepts & Theory 2. 4 Credit Hours.

This course fosters the progression of the Adult-Gerontology Acute Care Nurse Practitioner student's role transition in the areas of health promotion, disease prevention, diagnosis and management in high acuity practice settings for the young adult, adult and older adult with complex acute, critical and chronic health conditions. Emphasis is placed on using evidence-based practice to formulate individualized plans of care and developing collaborative partnerships with patients, their families and inter-professional teams. Prerequisites: NURS 6338, NURS 6302, NURS 6210, NURS 6110, NURS 6435.

NURS 6437. Adult-Gerontology Acute Care Nurse Practitioner (AGACNP) Diagnosis and Management: Clinical App 1. 4 Credit Hours.

This course develops clinical competency and emphasizes the integration of theory, assessment and advanced therapeutics for the safe and patient-centered care of adults in a high acuity healthcare setting. Emphasis is placed on the management of acute, complex, and chronic health problems in the young adult, older adult, and elder adults as well as adults with critical illness under the direction of clinical preceptors. In addition, this course emphasizes collaborative partnership development between patients, their families, and inter-professional teams. Prerequisites: NURS 6435, NURS 6436. Corequisites: NURS 6235, NURS 6135.

NURS 6438. Adult-Gerontology Acute Care Nurse Practitioner (AGACNP) Diagnosis and Management: Clinical App 2. 4 Credit Hours.

This course develops clinical competency and emphasizes the integration of theory, assessment and advanced therapeutics for the safe and patient-centered care of adults in a high acuity healthcare setting. Emphasis is placed on the management of acute, complex, and chronic health problems in the young adult, older adult, and elder adults as well as adults with critical illness under the direction of clinical preceptors. In addition, this course emphasizes collaborative partnership development between patients, their families, and inter-professional teams. Prerequisites: NURS 6435, NURS 6436, NURS 6235, NURS 6437, NURS 6135. Corequisites: NURS 6137.

NURS 6451. Family Nurse Practitioner (FNP) Diagnosis Management of Young Families: Concepts & Theory. 4 Credit Hours.

This course provides the theoretical basis for the competencies of the Family Nurse Practitioner (FNP) in the care of young families. This course lays the scientific foundation for independent practice in health promotion, disease prevention, and the diagnosis and management of acute and chronic illness for patients across the reproductive continuum and the health and illness from birth to adolescents in the primary healthcare setting. Additionally, this course emphasizes collaborative partnership development among patients, families, and interprofessional teams. Prerequisites: NURS 5306, NURS 5307, NURS 5339, NURS 5356, NURS 6315, NURS 6250, NURS 5338, NURS 6302, NURS 6110, NURS 6210, NURS 6312.

NURS 6452. Family Nurse Practitioner (FNP) Diagnosis Management of Aging Families: Concepts & Theory. 4 Credit Hours.

This course provides the theoretical basis for the competencies of the Family Nurse Practitioner (FNP) in health promotion, diagnosis and management in the primary healthcare setting for the mature and aging patient and family. Problem-based and self-directed learning strategies are used to review acute and chronic disorders of the aging patient and family. Emphasis is placed on differentiating signs and symptoms to formulate possible diagnoses and determining the effect of illness on this diverse population. Additionally, this course emphasizes the FNP as a collaborative member of the interprofessional team. Prerequisites: NURS 5306, NURS 5339, NURS 5307, NURS 5356, NURS 6315, NURS 6250, NURS 5338, NURS 6302, NURS 6110, NURS 6210, NURS 6312.

NURS 6453. Family Nurse Practitioner (FNP) Diagnosis and Management: Concepts & Theory 1. 4 Credit Hours.

This course provides the theoretical foundations for the competencies of the Family Nurse Practitioner (FNP), including health promotion, palliative care, diagnosis and management for the adult and geriatric patient in the primary healthcare setting. Problem-based and self-directed learning strategies are used to formulate differential diagnoses and develop evidence-based treatment plans for chronic and acute conditions affecting the geriatric patient and family. Collaboration with interprofessional teams is examined as well as legal and ethical principles informing quality family-centered healthcare. Prerequisites: NURS 6338, NURS 6302, NURS 6210, NURS 6110.

NURS 6454. Family Nurse Practitioner (FNP) Diagnosis and Management: Concepts & Theory 2. 4 Credit Hours.

This course provides the theoretical foundations for the competencies of the Family Nurse Practitioner (FNP) in health promotion, diagnosis and management in the primary healthcare setting for adults, including women across the reproductive continuum. Problem-based and self-directed learning strategies are used to formulate differential diagnoses and develop evidence-based treatment plans for chronic and acute conditions affecting the adult patient and women across the reproductive continuum. Collaboration with interprofessional teams is examined as well as legal and ethical principles informing quality family-centered healthcare. Prerequisites: NURS 6338, NURS 6302, NURS 6210, NURS 6110, NURS 6453.

NURS 6455. Adult-Gerontology Acute Care Nurse Practitioner Diagnosis and Management: Concepts And Theory 1. 4 Credit Hours.

This course introduces the student to the principles of diagnostic and treatment strategies utilized in acute/critical care settings by the Adult-Gerontology Acute Care Nurse Practitioner. The use of evidence based practice is encouraged to develop a strong scientific foundation for independent and collaborative practice as the registered nurse transitions to the role of the Adult-Gerontology Acute Care Nurse Practitioner. The focus is in health promotion, disease prevention, diagnosis and management of common illnesses seen in the acute care settings affecting the young adult, adult and older adult populations. In addition, this course emphasizes collaborative partnership development between patients, their families and inter-professional teams. Prerequisites: NURS 6210, NURS 6302, NURS 6312, NURS 6315, NURS 5338.

NURS 6456. Adult-Gerontology Acute Care Nurse Practitioner Diagnosis and Management: Concepts And Theory 2. 4 Credit Hours.

This course fosters the progression of the Adult-Gerontology Acute Nurse Practitioner student's role transition in the areas of health promotion, disease prevention, diagnosis and management in high acuity practice settings for the young adult, adult and older adult with complex acute, critical and chronic health conditions. Using problem-based and self-directed learning strategies, disorders of the physiologic systems are presented and build on the information presented in Diagnosis and Management: Concepts and Theory 1. Emphasis is placed on using evidence-based practice to formulate individualized plans for care and developing collaborative partnerships with patients, their families and inter-professional teams. Prerequisites: NURS 6455. Corequisites: NURS 6656.

NURS 6457. Family Nurse Practitioner (FNP) Diagnosis and Management: Clinical Application 1. 4 Credit Hours.

The focus of this clinical course is integration of the Family Nurse Practitioner's (FNP) essential knowledge in health promotion, diagnosis and management of patients and families in the primary healthcare setting across the lifespan. Emphasis is placed on care of patients and families with acute and chronic health problems in collaboration with interprofessional teams using evidence-based and patient-centered strategies. Prerequisites: NURS 6453, NURS 6454. Corequisites: NURS 6354, NURS 6153.

NURS 6458. Family Nurse Practitioner (FNP) Diagnosis and Management: Clinical Application 2. 4 Credit Hours.

The focus of this clinical course is continued integration of the Family Nurse Practitioner's (FNP) essential knowledge in health promotion, diagnosis and management of patients and families in the primary healthcare setting across the lifespan. Emphasis is placed on care of patients and families with acute and chronic health problems in collaboration with interprofessional teams using evidence-based and patient-centered strategies. Prerequisites: NURS 6453, NURS 6454, NURS 6254, NURS 6457, NURS 6153. Corequisites: NURS 6154.

NURS 6615. Pediatric Nurse Practitioner (PNP) Primary Care Diagnosis and Management 1: Clinical Application. 6 Credit Hours.

This course focuses on primary care experiences promoting health, preventing disease and diagnosing and managing acute and chronic illness from birth through adolescence and developing collaborative partnerships among patients, families, and interprofessional teams. Prerequisites: NURS 6423 and NURS 6428.

NURS 6616. Pediatric Nurse Practitioner (PNP) Primary Care Diagnosis & Management 2: Clinical Application. 6 Credit Hours.

This course focuses on refining the Pediatric Nurse Practitioner role in primary healthcare practice in diverse populations. Emphasis is placed on care of persons with complex health problems from birth through adolescence. In addition, the nurse practitioner's role as a collaborative member of the interprofessional team will be evaluated. Prerequisites: NURS 6423, NURS 6428 and NURS 6616.

NURS 6620. Family Nurse Practitioner (FNP) Diagnosis & Management of Aging Families: Clinical Application. 6 Credit Hours.

The focus of this course is integration of the Family Nurse Practitioner's core knowledge in health promotion, diagnosis and management in the care of the mature and aging patient and families in the primary healthcare setting. Emphasis is placed on the care of mature and aging patients and families with acute and chronic complex health problems. In addition, the family nurse practitioner as a collaborative member of the interprofessional team will be emphasized. Prerequisites: NURS 6451 and NURS 6452.

NURS 6621. Family Nurse Practitioner (FNP) Diagnosis & Management of Young Families: Clinical Application. 6 Credit Hours.

This course focuses on the primary care experience in health promotion, disease prevention, and diagnosis and management of acute and chronic illness in patients across the reproductive continuum and the health and illness from birth to adolescents. Additionally, this course emphasizes collaborative partnership development among patients, families and interprofessional teams. Prerequisites: NURS 6451 and NURS 6452.

NURS 6623. Psychiatric Mental Health Nurse Practitioner (PMHNP) Diagnosis & Management 1: Clinical Application. 6 Credit Hours.

Primary care experience in health promotion, disease prevention, diagnosis and management of psychiatric illness. Additionally, this course emphasizes collaborative partnership development among patients, families, and interprofessional teams. Prerequisites: NURS 6412 and NURS 6416.

NURS 6624. Psychiatric Mental Health Nurse Practitioner (PMHNP) Diagnosis & Management 2: Clinical Application. 6 Credit Hours.

The focus of this course is refinement of the Psychiatric Mental Health Nurse Practitioner role in health promotion, diagnosis and management in psychiatric practice in diverse populations across the life span. Emphasis is placed on care of persons with complex health problems. In addition, the nurse practitioner's role as a collaborative member of the interprofessional team will be evaluated. Prerequisites: NURS 6412, NURS 6416 and NURS 6623.

NURS 6655. Adult-Gerontology Acute Care Nurse Practitioner Diagnosis and Management 1: Clinical Application. 6 Credit Hours.

This course develops clinical competency and emphasizes the integration of theory, assessment and advanced therapeutics for young adults, adults and older adults in a high acuity setting. Students will perform comprehensive clinical assessments including appropriate diagnostic and therapeutic testing. Management of acute and chronic health problems will be under the direction of clinical preceptors. Clinical placements will include a variety of acute/critical care areas including but limited to: emergency department, medical/surgical intensive care units, intermediate care and specialty services such as transplant and oncology. Gerontology experiences will be provided in long term, rehabilitation facilities and the acute care setting. In addition, this course emphasizes collaborative partnerships development between patients, their families, and inter-professional teams. Prerequisites: NURS 6456.

NURS 6822. Clinical Nurse Leader Role 2: Clinical Application For The Advanced Nursing Generalist. 8 Credit Hours.

This capstone clinical experience is designed for students to develop expertise in clinical leadership in their respective interest areas. The health care setting will vary based on a student's chosen program focus. Planning implementation of selected microsystems changes that will enhance the culture of learning, culture of safety, and improved patient outcomes based on evidence-based practice is the focus of this clinical course. At the successful conclusion of the course a student will be eligible to sit for the CNLTM credentialing examination provided by the American Association of Colleges in Nursing. Clock hours: 450 clinical clock hours, 30 clock hours clinical conference. Prerequisites: NURS 6230 and NURS 6233. Corequisites: NURS 6120.

NURS 7099. Dissertation. 1-9 Credit Hours.

Prerequisites: Admission to candidacy for Doctor of Philosophy degree; registration for two terms is required of PhD candidates.

NURS 7105. Role Of The Clinical Nurse Scientist. 1 Credit Hour.

This course will focus on the professional and ethical roles and responsibilities of the Clinical Nurse Scientist in advancing the discipline of nursing through the generation of clinical knowledge, discovery, and theory development. Potential settings for practice that are traditional, such as academic health centers as well as emerging venues, will be explored. Discussions about issues that may affect the Clinical Nurse Scientist in developing lifelong career/scholarship trajectories will occur.

NURS 7111. Advanced Nursing Seminar. 1 Credit Hour.

This seminar course provides the student with knowledge to facilitate integration and synthesis of the essential specialty competencies necessary to plan and design their DNP Practice Inquiry Project. This seminar may include a variety of activities, identification of the opportunity for improvement, literature synthesis and evidence for their theory based organizational intervention at multiple system levels. The activities will be specific to the student's identified area of specialty. Students will share issues related to the plan and design of the DNP Practice Inquiry Project in seminar. Prerequisite: NURS 7304. Corequisite: NURS 7511.

NURS 7115. Directed Research Project (Qualifying Exam). 1 Credit Hour.

This course allows PhD students to demonstrate program expectations with regard to: a) acquiring adequate substantive knowledge base in field of study and b) acquiring essential knowledge for conducting scholarly, scientific research. Student must complete of course work.

NURS 7210. Nurse Anesthesia Principles I. 2 Credit Hours.

This course introduces the student to the scope and complexities of anesthesia practice. The course investigates the basic concepts in anesthesia care delivery including pre-anesthetic and post-anesthetic evaluation, premedication, formulation of anesthesia management plans, anesthetic techniques and procedures, equipment requirements, monitoring, and record keeping. Prerequisites: NURS 6413, NURS 6432, NURS 6431, CSAT 5022, NURS 6210, NURS 6110.

NURS 7222. Leadership In Complex Healthcare Systems. 2 Credit Hours.

The focus of this course is on leadership skills preparing nurses for intra/interprofessional leadership in complex healthcare systems including collaborative and consultative models, conflict and board management, and advanced communication and team-building skills with emphasis on innovation and change. Clock hours: 2 clock hours class (30 hours class) Prerequisite: NURS 5339 Open for Cross Enrollment on Space Available Basis.

NURS 7226. Ethics Of Nursing Science. 2 Credit Hours.

The focus of this course is on the ethical imperative/implications in the role of the clinical nurse scientist. Current ethical theories are critiqued and the ethical implications of the major research paradigms are evaluated. Ethical issues arising from selected theoretical/research approaches are examined.

NURS 7227. Introduction to Anesthesia Equipment, Technology & Clinical Practice. 2 Credit Hours.

The course will introduce students to the preparation of the anesthetizing environment, physiologic monitoring, utilization of anesthesia equipment, fluid and electrolyte monitoring, communication and documentation. This course integrates chemistry and physics to provide the student with a foundation to understand anesthesia equipment, such as the various delivery systems, ventilators, and the anesthesia machine. Prerequisites: Graduate Standing.

NURS 7230. Nurse Anesthesia Principles III. 2 Credit Hours.

This course will reinforce and build on principles learned in Nurse Anesthesia Principles I and II. Concepts unique to pediatric and obstetrical anesthesia will be the focus of the course. Learners will incorporate physiological and pathophysiological concepts unique to this population with anesthesia principles previously explored in Nurse Anesthesia Principles I and II. New psychomotor skills needed for pediatric and obstetrical anesthesia will be introduced and correlated to specific cases throughout the course. A lab setting will be utilized by learners to take anesthesia concepts and techniques taught during the course and correlate them to specific anesthetic management of cases. Prerequisites: NURS 7326 and NURS 7410.

NURS 7231. Professional Aspects of Nurse Anesthesia Practice. 2 Credit Hours.

This course provides an in-depth investigation of the historical and professional role of the certified registered nurse anesthetist. Students will explore concepts related to the CRNAs Scope of Practice, standards of care, adherence to an ethical code of conduct, legal and regulatory aspects of the profession, and variations of practices between states. The optimization and challenges of wellness and work/life balance of the nurse anesthetist will be addressed. The student must be in graduate standing to register for this course.

NURS 7301. Methods For Evidence-Based Practice (EBP) Translational Science I. 3 Credit Hours.

This course focuses on analyzing evidence-based practice paradigms, quality improvement, and patient safety; appraising primary research and systematic review; and examining approaches to measuring care processes, organizational factors, nursing performance, and patient outcomes. Clock hours: 3 clock hours class (45 hours class) Prerequisites: NURS 5306 and NURS 5307 Open for Cross Enrollment on Space Available Basis.

NURS 7302. Theoretical Foundations for Leadership in Complex Adaptive Systems. 3 Credit Hours.

The course focuses on theoretical underpinnings for leadership, complexity science and complex adaptive systems. Individual leadership skill development for transforming healthcare and nursing practice through innovation, change management and quality improvement is highlighted. The course prepares nurses to assume leadership in complex healthcare systems through advanced communication, team building, conflict and board management, decision making and collaborative skills. Prerequisites: Graduate Standing. Open for Cross Enrollment on Space Available Basis.

NURS 7303. Science of Knowledge Translation and Implementation I. 3 Credit Hours.

This course builds a foundation for advanced clinical scholarship, preparing students to conduct a systematic search of the literature to address a research-practice gap, critically appraise the identified literature, and synthesize this body of literature to identify an evidence-based intervention(s) to address this gap. Students will analyze various models of evidence-based practice (EBP) and knowledge translation to guide the implementation of knowledge into practice. They will critically appraise and synthesize primary research, systematic reviews, and best practice guidelines to address clinical questions. Prerequisites: NURS 6320 Open for Cross Enrollment on Space Available Basis.

NURS 7304. Science of Knowledge Translation and Implementation II. 3 Credit Hours.

In this course students will enhance their capacity to integrate research and knowledge into practice. Students will examine knowledge translation models, implementation designs, program evaluation methods, and analytical approaches to improve practice, patient, and system-level outcomes. Students will also be introduced to strategies that sustain and facilitate evidence-based interventions in complex healthcare delivery systems. Ethical issues related to knowledge translation and implementation will also be explored in this course. Prerequisites: NURS 7303. Open for Cross Enrollment on Space Available Basis.

NURS 7305. DNP Seminar. 3 Credit Hours.

This seminar will focus on the DNP project development including preparation of the Portfolio. This seminar includes activities related to developing the DNP project proposal: identifying the opportunity for improvement, initial review of the literature for significance and background, selecting the appropriate theoretical model(s) that will guide the assessment and implementation of the project, clear identification of the project outcomes and measurements, plan for implementation, plan for analysis of outcomes, and plan for sustainability. During this seminar, students will work with the mentoring team (faculty mentor and committee members, one of the committee members must be from the clinical site). Students will complete the DNP project charter. Prerequisites: NURS 6141, NURS 6143, NURS 6147, or NURS 6149; NURS 6315; NURS 6320; NURS 6380; NURS 6410, NURS 6421, NURS 6435, or NURS 6453; NURS 7302, NURS 7303, NURS 7304, NURS 7320, NURS 7322, NURS 7324.

NURS 7306. DNP Project. 3 Credit Hours.

This course provides students with clinical specialty immersion experience to plan, design, implement, and evaluate the DNP Project. The role of the DNP as leader and innovator in complex organizational systems will be discussed as it relates to knowledge translation, implementation, and evaluation. Milestones for project completion are determined for each semester. Prerequisites: NURS 6436, NURS 6454, NURS 6411, NURS 6422, NURS 7305. Corequisites: NURS 6235, NURS 6254, NURS 6219, NURS 6224.

NURS 7307. DNP Dissemination. 3 Credit Hours.

The student will disseminate DNP project outcomes, recommendations, and lessons learned through scholarly writing and presentations. Additionally, students will address practice implications with system leaders and communities of interest. Prerequisites: NURS 6319, NURS 6324, NURS 6335, or NURS 6354; NURS 7305; NURS 7306.

NURS 7310. Theory Development, Analysis and Evaluation. 3 Credit Hours.

This course provides opportunity to study a system for the development of nursing science through middle-range theory development. Learning activities include engaging in strategies for concept, statement clarification, and theory clarification. Students and faculty dialog about theory application, theory construction, evaluation, and clinical testing of theory. The relationship between research and clinical practice to theory generation and testing is explored. The student and faculty will have the opportunity to gain practice in strategies for middle-range theory building. Prerequisites: Graduate Standing.

NURS 7311. Theories and Research in Leadership, Quality, Safety, and Evidence Base. 3 Credit Hours.

This course focuses on leadership, chaos, system, improved and transitional science theories and patient safety, healthcare quality and evidence-based research and models to frame improvement, implementation, and translational research studies. Open for Cross Enrollment on Space Available Basis.

NURS 7312. DNP Project: Seminar. 3 Credit Hours.

This course requires the student to engage faculty and community leaders in the implementation and reporting of the process and outcomes of their theory and evidence based organizational intervention at multiple system levels. The student explores specific issues related to the specific practice topic that leads to an evidence-based improvement project. The role of the DNP as leader and innovator in complex organizational systems will be discussed as it relates to the proposal and implementation. Faculty, practice leaders and experts will assist with development of a plan that is relevant and feasible. Successful completion of PH 1690 as an alternate to NURS 7321. Prerequisites: NURS 7320, NURS 7303, and NURS 7304. Corequisites: NURS 7313.

NURS 7313. DNP Practice Inquiry: Clinical Application. 3 Credit Hours.

This course requires the student to engage faculty and community leaders in the implementation and reporting of the process and outcomes of their theory and evidence based organizational intervention at multiple system levels. The role of the DNP as leader and innovator in complex organizational systems will be discussed as it relates to implementation and evaluation. Faculty, practice leaders and experts will assist with the implementation and evaluation of a practice inquiry project. Successful completion of PH 1690 as an alternate to NURS 7321. Prerequisites: NURS 7320, NURS 7303, NURS 7304. Corequisite: NURS 7312.

NURS 7314. Nursing and Health Systems Administration. 3 Credit Hours.

This course is designed to prepare the professional chief nurse executive to provide strategic direction for all aspects of nursing care and care delivery operations for multiple clinical departments, hospitals and service lines across the continuum in regional and/or national healthcare systems to provide value. Successful completion of PH 1690 as an alternate to NURS 7321. Prerequisites: NURS 7320, NURS 7303, NURS 7304.

NURS 7315. Quantitative Research Designs and Methods. 3 Credit Hours.

This course is designed to help students develop an understanding of quantitative research methods. Key concepts and issues relevant to formulating a research question, study design, sampling and measurement will be covered. The course will cover sources of bias in quantitative design. Students will develop a research question related to their area of interest, determine the appropriate research design, and develop a quantitative proposal. Student must have Graduate Standing. Open for Cross Enrollment on Space Available Basis.

NURS 7316. Statistical Analysis For Nursing Science. 3 Credit Hours.

This is an introductory course in statistics and computing. This course will allow the student to summarize numerical data, gain a working vocabulary of important statistical methods, develop some functional computing skills, and improve confidence in dealing with numbers. By the end of the course, you will be knowledgeable about: * understand how statistics can inform research * recognize limitations of statistical information * develop the skills needed to critique a typical quantitative journal article; * be able to perform and interpret basic statistical tests. Prerequisites: Graduate standing.

NURS 7317. Multivariate Statistics. 3 Credit Hours.

Within this course, students will study multivariate techniques in health care research and apply aspects of complex research designs, including model testing, decision theory, and advanced statistical techniques. Prerequisites: NURS 7316, NURS 7315 Open for Cross Enrollment on Space Available Basis.

NURS 7318. Instrumentation/Measurement. 3 Credit Hours.

This course focuses on specific techniques to measure outcomes in clinical and health services research. The course is appropriate for doctoral students, clinical and translational researchers and trainees, and advanced masters-level students with interest in health care outcomes assessment. The course is designed to provide students with in-depth familiarity of techniques and measurement instruments that are most useful to quantify and evaluate outcomes in domains such as: health status, quality of life, patient satisfaction, pain, depression and other mental health conditions, function and disability, adherence with treatment, costs and cost-effectiveness, other economic and social outcomes, and specialized outcome measures for pediatric, geriatric, and other distinctive populations. Prerequisites: NURS 7316, NURS 7315, NURS 7317 Open for Cross Enrollment on Space Available Basis.

NURS 7319. Seminars in Nurse Anesthesia I. 3 Credit Hours.

This is the first in a series of two (2) clinical correlation courses. The course is designed to be a comprehensive review of the body of knowledge necessary to enter Nurse Anesthesia practice. Selected topics and case studies will be applied in an advanced study of scientific principles, principles of therapeutics, and principles of anesthesia practice to further develop critical thinking skills, and to foster continued integration of theoretical knowledge into clinical practice. A series of seminars and presentations interspersed with comprehensive, computerized examinations will be administered to allow students to evaluate their knowledge level and their test taking skills. Nurse Anesthesia student preparation for both the DNP Comprehensive Examination and the NBCRNA National Certification Examination will be enhanced. Prerequisites: NURS 7340 and NURS 7530.

NURS 7320. Statistical Methods and Data Analysis to Evaluate Healthcare Delivery Systems. 3 Credit Hours.

Students will be introduced to analytical methods for knowledge translation and implementation to evaluate processes that impact system, practice, and patient level outcomes. Students will build skills to analyze patient, practice, and outcome data using descriptive statistics, quality improvement tools, and statistical process control. Students will examine appropriate models, methods, measures, data sources, and analyses to evaluate healthcare quality and patient outcomes. Students will also build capacity to interpret, visualize, and present data to advance practice and improve patient outcomes. Prerequisites: Graduate Standing. Open for Cross Enrollment on Space Available Basis.

NURS 7321. Statistical Analysis for Quality Improvement and Health Delivery Systems. 3 Credit Hours.

This course examines the concepts and techniques to develop, improve, and evaluate patient care and health care delivery systems from multiple perspectives including efficiency, effectiveness, and comparability. Students are provided with essential knowledge for evaluation of research to guide evidence-based practice at the highest level. This course provides an overview of the logic and appropriate use of statistical techniques most commonly reported in the research literature of the health professions. Students build on knowledge they have gained from basic statistics courses to develop advanced skills in interpreting and understanding common univariate and multivariate statistical approaches presented in published health care reports. Using a project-oriented approach, students are provided with statistical tools necessary to conduct state-of-the-art practice improvement projects and support leadership decisions. Prerequisite: Graduate Standing Open for Cross Enrollment on Space Available Basis.

NURS 7322. Healthcare Policy Analysis and Advocacy. 3 Credit Hours.

This course prepares the nurse leader to advance the agenda of the rapidly changing care environment by examination of health policy research and analysis. Students will focus on policy process and develop and implement policy agendas. They will participate in collective decision-making, identifying roles and key stakeholders. The course will address how to identify gaps in policy knowledge and provide opportunity for nurse leaders to engage in processes that influence policy decisions at the institutional, local, state, regional, national and/or international levels. The course will prepare the nurse leader to analyze the policy process and engage in politically competent care. There are no prerequisites for Post-MSN to PhD students. However, DNP students do have a prerequisite. Prerequisites: NURS 7302.

NURS 7323. Design And Analysis For Evidence-Based Practice (EBP) Translational Science 2. 3 Credit Hours.

This course extends Evidence-Based Practice Translational Science 1 to refine the student's ability to integrate research and knowledge into practice and evaluate impact on healthcare quality and safety and patient outcomes. Students will have the opportunity to use advanced program evaluation research approaches and analytic methods to design and evaluate innovations in systems of care in terms of care processes and patient outcomes. The course emphasizes appropriate and analytic approaches in translational science and explores ethical issues in translational science. Clock hours: 3 clock hours class (45 hours class) Prerequisites: NURS 7301 Open for Cross Enrollment on Space Available Basis.

NURS 7324. Healthcare Economics And Policy. 3 Credit Hours.

This course prepares the student to lead improvements in health care and shape health policy through an understanding of macroeconomic principles in the health care market. Students will be given the opportunity to apply theoretical and empirical economic analysis to business and public policy issues in health care. Open for Cross Enrollment on Space Available Basis. Prerequisites: NURS 6320.

NURS 7325. Philosophy of Nursing Science. 3 Credit Hours.

The focus of this course is to relate philosophy of science, philosophy of nursing science, and one's personal philosophy to the development of nursing knowledge. The role of scientists in nursing and in society will be explored. Emphasis is on the process of analysis and the ability to present the pros and cons of philosophical issues. Prerequisites: Graduate Standing.

NURS 7326. Nurse Anesthesia Principles II. 3 Credit Hours.

This course will expand on the concepts learned in Nurse Anesthesia Principles I. Various anesthesia techniques and the physiological effects of those techniques on complex co-morbidities will be the emphasis of the course. Special consideration of the geriatric population and the physiological effects of the various anesthesia techniques will also be explored. The psychomotor skills introduced in Nurse Anesthesia Principles I will be refined and enhanced. New psychomotor skills needed for higher level anesthesia techniques will be introduced and correlated to specific cases throughout the course. A lab setting will be utilized by learners to take concepts and anesthesia techniques taught during the course and correlate them to specific anesthetic management of cases. Prerequisites: NURS 7227 and NURS 7210.

NURS 7327. Seminars in Nurse Anesthesia II. 3 Credit Hours.

This is the second in a series of two (2) clinical correlation courses. The course is designed to be a comprehensive review of the body of knowledge necessary to enter Nurse Anesthesia practice. Selected topics and case studies will be applied in an advanced study of scientific principles, principles of therapeutics, and principles of anesthesia practice in order to further develop critical thinking skills, and to foster continued integration of theoretical knowledge into clinical practice. A series of seminars and presentations interspersed with comprehensive, computerized examinations will be administered to allow students to evaluate their knowledge level and their test taking skills. Nurse Anesthesia student preparation for both the DNP Comprehensive Examination and the NBCRNA National Certification Examination will be enhanced. Prerequisites: NURS 7319 and NURS 7540.

NURS 7340. Nurse Anesthesia Principles IV. 3 Credit Hours.

This course will reinforce and expand on the concepts learned in Nurse Anesthesia Principles I II and II. Various anesthesia techniques and the physiological effects of those techniques on concepts unique to cardiothoracic anesthesia will be the focus of the course. Learners will incorporate physiological and pathophysiological concepts unique to this population with anesthesia principles previous explored in Nurse Anesthesia Principles I, II, and III. New psychomotor skills needed for cardiothoracic anesthesia will be introduced and correlated to specific cases throughout the course. A lab setting will be utilized by learners to take anesthesia concepts and techniques taught during the course and correlate them to specific anesthetic management of cases. Prerequisites: NURS 7230 and NURS 7520.

NURS 7373. Nursing: Quantitative Research Methods 2. 3 Credit Hours.

This course presents modern and classical psychometrics for nursing science from the perspective of item response theory. Most of the course will cover classical test theory from the perspective of modern test theory. An introduction to binary item response theory will also be presented. The course will emphasize applications within the context of modern psychometric principles. Prerequisites: NURS 7325, NURS 7226, NURS 7374, NURS 7310, NURS 7380, NURS 7375 Corequisites: NURS 7381 Open for Cross Enrollment on Space Available Basis.

NURS 7374. Quantitative Research Designs and Methods. 3 Credit Hours.

This course is an introduction to research designs for causal inference. Experimental, quasi-experimental, and observational designs will be presented and evaluated for internal, external, construct, and statistical validity. Issues regarding sampling, measurement, randomization, treatment, and control will be addressed. The rationale for drawing causal inferences will be thoroughly explored. Prerequisites: Graduate Standing.

NURS 7375. Regression Models For Nursing Science. 3 Credit Hours.

This course presents regression analysis at an intermediate level. Course will focus on regression for continuous variables: specification, estimation, testing, and diagnostics. Logistic regression for binomial and multinomial variables, log-linear regression for count variables, and proportional hazards regression for duration variables will be explored. An introduction to multilevel regression will occur. Prerequisites: Graduate standing Open for Cross Enrollment on Space Available Basis.

NURS 7377. Mixed Methods For Clinical Nurse Scientists. 3 Credit Hours.

This course will cover the use of mixed methods, quantitative and qualitative, to address complex research questions in nursing and health care. Problems of trying to merge methods and practical strategies for accomplishing this successfully, as well as paradigmatic issues, will be discussed. Prior products developed in quantitative and qualitative methods classes to devise a mixed method proposal that integrates readings on mixed methods with the student's own research interests will be used. Prerequisites: NURS 7374 and NURS 7380 Open for Cross Enrollment on Space Available Basis.

NURS 7380. Qualitative Research Designs and Methods. 3 Credit Hours.

This course is an introduction to qualitative research designs and methods. Students will analyze, compare and contrast a variety of qualitative approaches, which may include phenomenology, ethnography, grounded theory, case study, qualitative description and action research. Data collection methods including interviewing, participant observation and photo elicitation will be addressed as well as sampling, ethical concerns, data analysis and rigor. Corequisite: NURS 7325. Open for Cross Enrollment on Space Available Basis.

NURS 7381. Synthesis and Application of Clinical Research. 3 Credit Hours.

This course integrates the dynamic elements of clinical practice, theory, and research to prepare doctoral students to function effectively in the synthesis and application of clinical research. This course provides guided direction in the processes used for dissertation development and grant application proposals. Students will be actively involved in the critique and analysis of published literature and other students' dissertation proposals, grant applications, and manuscripts. Open for Cross Enrollment on Space Available Basis.

NURS 7382. Structural Equation Models For Nursing Science. 3 Credit Hours.

This course presents structural equation modeling (SEM) for nursing science. The course will begin with a review of regression from an SEM perspective. The first major topic of the course will be path analysis, including model specification, methods of estimation, recursive and non-recursive models, direct, indirect, and total effects, methods of estimation, single and multi-group analyses, moderators and mediators, and the assessment of causality. The second major topic will be psychometrics from an SEM perspective, including congeneric test theory, reliability and stability, convergent and discriminant validity, and confirmatory factor analysis. The third major topic will combine the first two into structural equations, including model specification and identification, methods of estimation, second-order factor analysis, and the assessment of causal structure. Prior completion of Intermediate statistics is required to register for this course. Open for Cross Enrollment on Space Available Basis.

NURS 7383. Qualitative Methods 2: Application In Nursing Science. 3 Credit Hours.

This course is designed to provide students an opportunity to conceptualize a research problem from a qualitative perspective, to study one specific method (grounded theory, ethnography, phenomenology, hermeneutics), and to practice qualitative approaches to data collection and analysis in that method. Students will have opportunities to write a mini-proposal guided by a qualitative research question and leading to a specific qualitative research approach to the problem. There will be opportunities for participating in Mock reviews of qualitative research proposals (either as investigator or reviewer). Students will have the opportunity to learn the IRB approval process with qualitative proposals and will have opportunities to develop pilot research strategies building to a dissertation proposal. Strategies will include interviewing, focus group, or participant observation following the selected method. Through this process students are required to practice and learn strategies and processes for conceptualizing and implementing a qualitative study guided by a specific qualitative methodology. Prerequisites: NURS 7325, NURS 7226, NURS 7374, and NURS 7380 Open for Cross Enrollment on Space Available Basis.

NURS 7410. Clinical Anesthesia Residency I. 4 Credit Hours.

This course will introduce the nurse anesthesia student to the clinical experience. The course is designed to integrate didactic course work and basic level anesthesia technology and equipment, medications, monitoring, procedures, and the perioperative environment. The student will be assigned to affiliated clinical sites and anesthesia related specialty areas. Experience will begin with simple cases and techniques and build to more complex cases throughout the course. Clinical experiences will be guided by Certified Registered Nurse Anesthetist and/or Anesthesiologist. Ongoing assessments will be conducted to evaluate the students ability to apply basic didactic coursework into the clinical setting. Prerequisites: NURS 7210 and NURS 7227.

NURS 7511. Advanced Nursing: Clinical Application. 5 Credit Hours.

This course provides the student with clinical specialty immersion experiences to facilitate integration and synthesis of the essential competencies necessary for implementation of the DNP Practice Inquiry Project. Students will engage faculty and practice leaders in the plan and design of the project. The practice immersion experience may include a variety of activities related to the identification of the opportunity for improvement, analyzing the organizational context and strategies for design with appropriate clinicians in the clinical practice immersion. The setting and activities will be specific to the student's identified area of specialty. Corequisites: NURS 7111.

NURS 7520. Clinical Anesthesia Residency II. 5 Credit Hours.

This course will incorporate evidence-based knowledge and skills in the management of increasingly complex clinical experiences designed to provide the nurse anesthesia student with clinical application of the foundational principles in anesthesia. Experiences will continue the integration of advanced anesthesia principles into practice. The student will continue to develop competencies with monitoring, use of equipment, and administration of medications with an emphasis on patient safety and vigilance. Clinical experiences will be guided by the CRNA and/or anesthesiologist. Prerequisites: NURS 7326 and NURS 7410.

NURS 7530. Clinical Anesthesia Residency III. 5 Credit Hours.

This course will continue to incorporate evidence-based knowledge and skills in the management of increasingly complex clinical experiences designed to provide the nurse anesthesia student with clinical application of the foundational principles in anesthesia. Experiences will build on knowledge and skills gained in the first three principles courses. This course will emphasize continued management of general and specialty anesthetic techniques for patients with complex co-morbidities and broaden experience for particular surgical procedures including: intracranial, vascular, neuro-skeletal, diagnostic/therapeutic procedures, organ procurement, and laser procedures. Principles and ethical concepts for organ procurement will also be discussed. Clinical experiences will be guided by the CRNA and/or anesthesiologist. Prerequisites: NURS 7230, NURS 7520.

NURS 7540. Clinical Anesthesia Residency IV. 5 Credit Hours.

This course will incorporate evidence-based knowledge and skills in the management of more advanced anesthesia specialty cases including cardiothoracic, neurosurgical, and organ transplant procedures. Experiences will build on the knowledge and skills gained in the first three clinical residency courses. Emphasis will be on the delivery of personalized care across the disease spectrum integrating evidence-based research practices, critical thinking, patient safety and vigilance, inter-professional communication, and culturally competent care. Clinical experiences will be guided by the CRNA and/or anesthesiologist. Prerequisites: NURS 7340 and NURS 7530.

NURS 7550. Clinical Anesthesia Residency V. 5 Credit Hours.

This course will incorporate evidence-based knowledge and skills in the management of advanced anesthesia specialty cases involving the pediatric and obstetrical patient population. Emphasis will be on the delivery of personalized care to the pediatric and obstetrical patient population integrating evidence-based research practices, critical thinking, patient safety and vigilance, inter-professional communication, and culturally competent care. Clinical experiences will be guided by the CRNA and/or anesthesiologist. Prerequisites: NURS 7340 and NURS 7540.