

# MASTER OF SCIENCE IN NURSING

## THE SCHOOL OF NURSING

**Available on the Jackson and Germantown Campuses**  
**Available on the Hendersonville Campus (online only)**

### Mission Statement/Program Goals

- To provide masters nursing education that builds on the baccalaureate undergraduate foundation.
- To prepare the graduate for advanced professional nursing practice with specific functional and clinical abilities
- To prepare advanced practice nurses academically for doctoral study in nursing

### Program Outcomes

The graduate of the master's nursing program will be able to:

1. Incorporate theory and research in advanced practice nursing.
2. Assume leadership roles in one's speciality area of nursing to promote health and well being of persons in an intercultural world.
3. Integrate knowledge of healthcare economics and policy into the delivery of cost effective, ethically responsible nursing care.
4. Manage information using technology to influence nursing practice.

5. Demonstrate competency in the selected nursing practice.

### The Cohort Approach and Calendar

In the fall semester of each year the M.S.N. Program accepts students in the Nurse Education, Nurse Administration, and Nurse Practitioner tracks between the two campuses. Groups pursue the degree as a cohort. This model emphasizes group cohesion, cooperation, and interactive support. Within semesters, some courses are offered in an accelerated, 7-8 week format.

In the winter term of each year the M.S.N. Program accepts approximately 25 students in the Nurse Anesthesia track for the Jackson campus as a cohort to pursue the degree. A minimum number is required to form a cohort. This model emphasizes group cohesion, cooperation, and interactive support. The program ends 31 months later in August. The program consists of 9 semesters with some courses offered in an accelerated 4-week format. The Union University School of Nursing Nurse Anesthesia track is accredited by the Council on Accreditation of Nurse Anesthesia Educational Programs (COA). Next accreditation review is scheduled for October 2011.

Each cohort is presented its unique calendar for the complete program. Current M.S.N. calendars are available at <http://www.uu.edu/academics/graduate/MSN/>

### Graduate Program Admission Requirements

Admission to the program will be based on competitive selection from the pool of applicants who meet the following admission requirements:

1. Completion of a baccalaureate degree in nursing from an accredited program
2. Official transcript(s) from all undergraduate and graduate coursework attempted
3. Current RN licensure verification form or completion of case study exam.
4. Evidence of writing skill (completed during interview except nurse anesthesia applicants)
5. Interview with the Nursing Graduate Admissions Selection Committee
6. Three letters of professional/academic reference specifying the applicants capabilities for graduate study. For nurse anesthesia applicants one letter of reference must be from the applicant's immediate supervisor.
7. Completed application with application fee of \$50.00
8. Cumulative GPA of at least 3.0. (excluding nurse anesthesia applicants)
9. Completion of undergraduate statistics course

10. Cleared criminal background check
11. Clean drug screen

Additional admission requirements for the nurse anesthesia track include:

12. At least 1 year of critical care experience as a registered nurse.
13. Last 60 hours cumulative GPA of 3.0 on a 4.0 scale
14. Eligible for RN licensure in TN and KY

Students admitted to the program must have and maintain while in the program:

1. Current CPR certification
2. Evidence of Hepatitis B, MMR, polio and tetanus vaccination
3. Rubella and varicella titers
4. Freedom from tuberculosis as evidenced by a negative PPD or health provider examination
5. Current ACLS and PALS certifications (Nurse Anesthesia only)
6. Health insurance

## Conditional Admission

Applicants who do not meet the regular admission requirements to the M.S.N. program may be admitted conditionally at the discretion of the M.S.N. Graduate Admissions Committee. Conditional admission will require contractual agreement between the applicant and the Graduate Admissions Committee. The contract will specify the conditions and deadlines that must be met to matriculate to the regular M.S.N. program.

## Transfer of Credit

Graduate credit for courses earned at a regionally accredited college or university or at a foreign college or university may be transferred to Union University if the courses are essentially the same as those required in the M.S.N. program. Such transfer credit will not be allowed for courses used to satisfy another degree at another institution. The maximum number of semester hours that may be transferred to Union University and applied to the M.S.N. degree is nine.

Applicants may take a maximum of 2 M.S.N. core courses prior to being enrolled in their respective M.S.N. track cohort. Enrollment in core nursing courses does not guarantee acceptance into a specific track.

No grade less than “B” may be transferred. Courses taken more than five years before beginning the M.S.N. program at Union University will be considered on an individual basis.

## Academic Standards, Requirements for Progression, Probation, and Dismissal

After completion of 9 graduate hours at Union University, a graduate student whose cumulative GPA from courses taken at Union University for graduate credit is below 3.0 will be placed on academic probation. A student placed on academic probation has one semester to increase his or her GPA to 3.0 or greater to be removed from a probationary status.

If the student fails to increase his or her GPA to 3.0 or greater during the following semester, the student will be dismissed from the M.S.N. Program. Students will also be dismissed if they receive an “F” (i.e. any grade below a “C”) in any course.

Students must maintain an overall B average. The program faculty recognize that situations may arise which prevent students from successfully matriculating through the program. Students who are concerned about their academic standing should contact his or her advisor. If it appears the student may not be able to achieve a minimum passing grade in a course they may be encouraged by the Chair of graduate program to withdraw from the program. This can potentially prevent the student from acquiring an F on their Union University transcript if the dropped class occurs prior to the deadline listed on the academic calendar (“last day to drop a class”). All students who withdraw or who are academically dismissed from the program can reapply for admission. However, readmission is not guaranteed. In order to graduate with the M.S.N., students are required to have a minimum GPA of 3.0 for all courses taken for graduate credit at Union University.

## Financial Information

Tuition is \$420 per semester hour for the Education and Administration tracks. Tuition for Nurse Practitioner Track is \$435 per semester hour. Full payment for a term (winter, fall, spring, summer, or other non-regular term) is expected at the time of registration for classes.

Application Fee: .....	\$ 50
Graduation Fee:.....	25
Insurance fee per year (excluding Nurse Anesthesia) .....	25
Insurance Fee, Nurse Anesthesia .....	variable
Binding of Thesis or Scholarly Project.....	45
Course Tracking System.....	50
Case Tracking System.....	150
Sitting fee for composite picture of class.....	35
Cap and Gown Rental .....	approx. 150
Criminal Background check .....	70
Urine Drug Screen .....	25
Simulation Fee/Nurse Anesthesia .....	3000
NUR 600 Lab Fee .....	50

Any combination of the following payment is available.

1. Check, cash, or credit card. The latter is subject to a convenience fee of 2.5%.
2. Federal Stafford loan
3. Employer reimbursement
4. FACTS (an electronic monthly draft from a savings or checking account)

Books cost approximately \$150 per course and are purchased from LifeWay Christian Stores.

## Federal Stafford Loan

The Stafford loan application process will require that you:

1. Complete and forward the FAFSA (Free Application for Federal Student Aid) to the federal government with Union University’s code of 003528.
2. Complete a Union Financial Aid Application and a Stafford Master Promissory Note and forward to the Union University Student Financial Planning Office.
3. For more information, contact the Student Financial Planning Office at 731-661-5015.

If Federal Stafford loan is not approved and available at the time of registration, the student must assume the cost by paying in full by check, cash, credit card, or FACTS.

## Employer Tuition Reimbursement

1. The student is responsible for providing information to the university regarding their employer's policies for reimbursement.
2. If the employer reimburses the student directly, the student must pay the university in full at the time of registration.
3. If the employer provides partial reimbursement directly to the university, the student must pay his/her portion of tuition at the time of registration.
4. The university will provide any required information to an employer when requested by the student.

## Acceptance Deposits

The Nurse Anesthesia track requires a \$1,000 tuition deposit. All other M.S.N. tracks require a \$300 acceptance deposit. **These deposits are non-refundable if the student elects not to enroll.** Applicants accepted on an "alternative"

basis will receive a full refund if status is not changed to "accepted" by the first day of class.

## Graduation Requirements

1. Completion of the course work within each specified track.
2. A minimum grade point average of 3.0 for the required course of study.
3. File an application for graduation with the Graduate Nursing Office. The application deadline is October 1 for students who plan to complete degree requirements for December graduation. The deadline for August graduation is May 1.
4. Pay in full the student's account in the Business Office
5. Discharge all other obligations (fines, credentials, fees, etc.) at the University.

## M.S.N., Education, Administration, NP Tracks

(Available on Jackson and Germantown Campuses)

- I. M.S.N. Core Requirements (for programs other than anesthesia)—12 hours
  - A. NUR 511, 526, 533, 542
  - B. NUR 641
- II. Education Track—39 hours
  - A. Complete the M.S.N. Core (above)
  - B. BIO 500; NUR 507, 517, 537, 544, 607, 622; 626 or 636; 637
- III. Administration Track—35 hours
  - A. Complete the M.S.N. Core (above)
  - B. Specialty: 525, 528, 535, 548, 577, 594, 615, 694
- IV. Nurse Practitioner—46 hours

- A. Complete the M.S.N. Core (above)
- B. Advanced Practice Core: NUR 544, NUR 622, BIO 500
- C. Specialty
  - Pediatric
    1. NUR 555, 600, 585, 650
    2. NUR 556C, 626C, 636C
    3. Select one: NUR 507, 517, 525, 528, 535, 607, 615, 696, 697
  - Adult
    1. NUR 555, 600, 585, 650
    2. NUR 556A, 626A, 636A
    3. Select one: NUR 507, 517, 525, 528, 535, 607, 615, 696, 697
  - Family
    1. NUR 546, 555, 600, 616, 630, 646, 650
    2. Select one: NUR 507, 517, 525, 528, 535, 607, 615, 696, 697

## M.S.N., Nurse Anesthetist Track—73 hours

(Available only on the Jackson Campus)

- I. Complete the M.S.N. Core (above)
- II. BIO 505, 507, 509
- III. NUR 519, 521, 522, 531, 532, 543, 551, 571
- IV. NUR 611, 612, 613, 614, 653, 691
- V. Choose one of: NUR 507, 525, 580, 696, 697.

## Estimated Costs During the Nurse Anesthesia Program

Tuition per semester hour .....\$700

### Semester 1—Winter

Textbooks .....300  
 Lab Fees.....750  
 Background Check .....50  
 Simulation Fee .....750

Drug Screenings.....15  
 AANA Student Membership.....100  
 ACLS/PALS Certification.....150  
 Course Tracking System .....50  
 \*Personal Health Insurance ..... Validate

### Semester 2—Spring

Textbooks .....300  
 Lab Fees.....750  
 Lab Coat .....50  
 Stethoscope .....100  
 Ear Molds.....50  
 Simulation Fee .....750

### Semester 3—Summer

Textbooks .....300  
 Lab Fees.....750  
 Medatrak Tracking System.....150  
 Simulation Fee .....750

### Semester 4—Fall

Textbooks .....	300
Simulation Fee .....	750
Lab Fees.....	750
Liability Insurance .....	variable

### Semester 5—Spring

Textbooks .....	300
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### Semester 6—Summer

Tuition .....	\$700
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### Semester 7—Fall

Tuition .....	\$700
Insurance.....	variable

### Semester 8—Spring

Tuition .....	\$700
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### Semester 9—Summer

Tuition .....	\$700
Certification Exam .....	700

These are approximate costs only and are subject to change.

\* Personal Validation

Signed physical form and all immunizations current.

Must have an active nursing license in TN and KY.

## Post-Master Certificate Program in Nursing Description

The School of Nursing endeavors to provide curricula that encourage individuals to pursue Christ-centered excellence in their nursing vocation as the future needs of the nursing profession come into view. The certificate program fits with the mission of the University to provide Christ-centered higher education that promotes excellence and character development in service to Church and society.

This program is ideal for nurses who have obtained their master's degree in nursing in another advanced practice area and now find themselves in positions that require advanced preparation in either nursing education or nursing administration. For example, if an M.S.N. graduate with a major in nursing administration desired to acquire a certificate in nursing education, that individual could enroll in this program. Another example might be that of an individual with a nurse practitioner degree desiring advanced study in nursing administration.

A Post-Master Certificate in Nursing is not available for the Nurse Anesthesia track.

### Mission Statement

To prepare graduates for advanced professional nursing practice with specific functional and clinical abilities.

### Program Outcomes

The nursing education certificate prepares nurses for educator positions in various settings such as staff development, patient education, schools and colleges. The nursing administration certificate prepares nurses for a variety of

administrative and leadership positions in health care delivery systems. The nurse practitioner certificate prepares nurses to serve in a variety of clinical practices.

### Schedule

The certificate program is part-time study with classes generally occurring one day per week or online. Clinical requirements of practicum commonly require more than one day per week. Courses taken out of the typical sequence will lengthen the time required to complete the certificate. Seminar Practicum must be the last course taken.

Curricular needs of full-time M.S.N. cohort students will be given priority.

### Admission Requirements:

- Master's degree with a major in nursing.
- Completed application
- \$50 application fee.
- Official transcripts from all colleges and universities attended.
- Letters of Professional Recommendation (3)
- Proof of current RN Licensure
- Once admitted, students must submit evidence of:
  - Current Immunizations Status
  - CPR Health Care Provider Certification
  - Professional Nurse Liability Insurance
  - Health Insurance
- Cumulative GPA >3.0

## Financial Information

Tuition is \$420 per semester hour for Education and Administration Post-Master Certificate programs and \$435 for Nurse Practitioner Track. Full payment for a term is expected at the time of registration for classes.

Certificate/Program Completion fee: \$25

Any combination of the following payment methods is available:

1. Check, cash, or credit card.
2. Employer reimbursement.
3. FACTS (and electronic monthly draft from a savings or checking account) The cost of books is approximately \$150 per course.

## Certificate Program Completion Requirements

1. Must demonstrate evidence of completion of MSN core through an accredited MSN Program.
2. Completion of the specialty curriculum for Post-Masters Certificate.
2. A minimum grade point average of 3.0 in the certificate course work.
3. Filing an application for graduation by the published deadline.
4. Payment in full of the student account.
5. Discharge of all other obligations to the university.

## Curriculum

- I. Post Masters Certificate in Nursing Administration—23 hours
  - A. NUR 525, 528, 535, 548, 577, 594
  - B. NUR 615, 694
  - C. Minimum Residency (23 semester hours) includes 260 clinical hours.
- II. Post Masters Certificate in Nursing Education—27 hours
  - A. BIO 500; NUR 507, 517, 537, 544
  - B. NUR 607, 622, 637
  - C. Select one: NUR 626A, 626C, 636A, 636C
  - D. Minimum Residency (14 semester hours) includes NUR 507, 517, 537, 607, 637 and 140 clinical hours
- III. Post Masters Certificate in Family Nurse Practitioner (FNP)—34 hours
  - A. BIO 500; NUR 544, 546, 555
  - B. NUR 600, 616, 622, 630, 646, 650

## Employer Tuition Reimbursement Policies

1. The student is responsible for providing information to the university regarding their employer's policies for reimbursement.
2. If the employer reimburses the student directly, the student must pay the university in full at the time of registration for classes.
3. If the employer provides partial reimbursement directly to the university, the student must pay his/her portion of the tuition at the time of registration.
4. The university will provide any required information to an employer when requested by the student.

C. Select one: NUR 507, 517, 525, 528, 535, 607, 615, 696, 697

D. Minimum Residency (19 semester hours) includes BIO 500; NUR 544, 546, 600, 616, 646, 650 and 600 clinical hours

IV. Post Masters Certificate in Nurse Practitioner (See degree for peds and adult)—34 hours

A. BIO 500; NUR 544, 555

B. NUR 600, 622, 630, 650

C. Select one: NUR 556A or 556C

D. Select one: NUR 626A or 626C

E. Select one: NUR 636A or 636C

F. Select one: NUR 507, 517, 525, 528, 535, 607, 615, 696, 697

G. Minimum Residency (19 semester hours) includes BIO 500; NUR 544, 600, 622, 650, 556A or C, 626A or C, 636A or C, and 600 clinical hours.

## Master of Science in Nursing-Nurse Anesthetist Track as a Second M.S.N.—58 hours

### (Available only on the Jackson Campus)

The M.S.N.-NA can be earned as a second Master of Science in Nursing by completing coursework unique to the program:

A. BIO 505, 507, 509

B. NUR 519, 521, 522, 531, 532, 543, 551, 571

C. NUR 611, 612, 613, 614, 653

D. NUR 691—4 hours

## Course Descriptions: Biology (BIO)

### 500 Advanced Pathophysiology (2)

Building on a basic knowledge of pathophysiology, the student will analyze the mechanisms and symptoms of illness to provide advanced theoretical understanding of disease states and health problems.

### 505 Applied Anatomy & Physiology I (3)

An intensive examination of the human body that addresses the normal complex physiological processes of the cell, fluids and electrolytes, acid-base balance, temperature regulation, vascular hemodynamics, mobilization of fluids through the body and lymphatic system, musculoskeletal systems and function of the myocardium. The acquired information will provide the student with a body of knowledge to critically evaluate co-existing conditions of the surgical patient.

### 507 Applied Anatomy & Physiology II (3)

Prerequisite: BIO 221 and 222

A continuation of 505 focusing on the normal complex physiological processes of blood components and coagulation and the respiratory, renal, endocrine, digestive and nervous systems.

### 509 Applied Human Gross Anatomy (4)

Prerequisite: BIO 505 & 507, or BIO 221, 222 & 322.

This course incorporates the dissection of cadavers and viewing of anatomical models in understanding the nervous, cardiovascular, respiratory, digestive and urinary systems of the human body. An additional emphasis is placed on the procedural illustration of regional blocks that are performed in the practice of nurse anesthesia.

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## Course Descriptions: Nursing (NUR)

### 507 Curriculum Design (3)

This course will focus on the development of curricula using outcomes-based learning experiences by addressing individual attitudes, knowledge, and skills that are assessable, transferable and useful in a multicultural world.

### 511 Nursing Informatics and Statistics for the Health Sciences (3)

Prerequisite: Undergraduate Statistics.

An introduction to biostatistics and health care information, including a review of descriptive statistics, probability, confidence intervals, hypothesis testing for samples and for categorical variables, analysis of variance, regression and correlation, and non parametric methods, fosters application to the health sciences. This course will also include a study of the use of informatics and various technological approaches as related to advanced nursing practice

### 517 Educational Strategies in Advanced Practice Nursing (3)

The purpose of this course is to examine models and methods of teaching and learning. Bio-psychosocial, spiritual, cultural influences that affect learning will be incorporated. The nursing process will be used as a framework for an outcome based teaching-learning session.

### 519 Professional Aspects of Nurse Anesthesia Practice (3)

An introduction to the role of the nurse anesthetist as an advanced practice nurse. The course presents the Christian worldview of nurse anesthesia, the historical development of anesthesia, anesthesia as a specialty of nursing, the role of the nurse anesthetist within the context of the health care system, legal aspects of anesthesia practice, current practice and health policy issues, the personal and professional impact of substance abuse, the role of professional organizations of nurse anesthesia.

### 521 Basic Principles of Anesthesia I (3)

The presentation of basic cognitive and psychomotor concepts associated with the safe and effective practice of nurse anesthesia and their implication on preoperative, intraoperative, and postoperative surgical periods.

### 522 Basic Principles of Anesthesia II (3)

A continuation of 521 addressing the implication of these learned concepts in relation to the preoperative, intraoperative, and postoperative surgical periods.

### 525 Introduction to Administrative Nursing Practice (3)

This course will integrate information about delivery systems, organizational mission, structure, culture, personnel motivation, management and networking. The focus will be on exploring these concepts from a nursing perspective and a holistic Christian worldview.

### 526 Advanced Theoretical and Ethical Concepts in Nursing (2)

This course prepares the student to critique, evaluate, develop and utilize appropriate theory in advanced nursing practice and examine health care ethics from a Christian perspective.

### 528 Nursing Administration and the Law (3)

A general background to the elements and characteristics of health, administrative, criminal, civil law and the implications for nurse practicing in an administrative role looking at malpractice, risk management, tort law and tort reform, OSHA regulations, construction, organizational management, laws affecting subsidiary corporations and tax law. Emphasis will be placed on administration of human resources including labor and legal issues, collective bargaining, labor laws, and the design of effective policies and procedures to reflect these laws.

### 531 Anesthesia Pharmacology I (3)

An examination of the different classes of oral and subcutaneously administered medications taken by surgical patients that may impact the practice of nurse anesthesia. Adjunct anesthetic agents that impact the pharmacological principles associated with the administration of anesthetic agents will be presented. Additional attention is given to instructions for the process of writing prescriptions and acquiring a broader knowledge of medications for the acquisition of APN certification prescription privileges.

### 532 Anesthesia Pharmacology II (3)

An extensive examination of the pharmacological principles associated with the administration of anesthetic agents. An understanding of the physiological impact on the body in relation to the absorptive, metabolic, and elimination processes of each anesthetic agent will be examined.

**533 Advanced Nursing Research and Evidence-Based Practice (3)**

Prerequisite: Undergraduate Statistics.

Emphasis will be placed on ways of knowing and analysis of research, which prepares the student to utilize research findings or other rigorously generated information as a basis for clinical decision-making. Specific aspects of the research process from quantitative and qualitative perspectives will be studied.

**535 Nursing Quality Management (3)**

Prerequisite: NUR 525.

This course examines the quality of healthcare in relationship to nursing care delivery. It will include the concepts and information systems that are necessary in the identification, tracking, and evaluation of quality indicators. Emphasis is placed in terminology and information systems specific to nursing administration and quality.

**537 Nursing Education Practicum I (2)**

Clinical introduction to the nurse educator practical experience. It involves application of educational theories and wholistic nursing practice.

**542 Advanced Health Promotion and Intercultural Concepts in Nursing (2)**

An exploration of the importance of wholistic health promotion, disease prevention, and health risk education in individuals, families and communities focusing on the study of culturally appropriate and wholistics professional nursing care in this pluralistic global society. Emphasis is placed on sensitivity to and respect for cultural diversity, communication, critical thinking, research and theories of intercultural nursing.

**543. Advanced Anesthesia Pathophysiology (3)**

Pathophysiology of major systems that are impacted by administration of anesthetics. Students will also acquire skills in interpretation of hemodynamic data, simulated placement of invasive lines, instrumentation of the airway, and preparation for preliminary clinical experiences. Advanced ECG interpretation and associated pharmacology will be covered along with cardiac auscultation techniques. Additional emphasis and illustration of learned principles will be given via experience with the human patient simulator.

**544 Advanced Health Assessment (3)**

This course will focus on the advanced application of health assessment skills on the clients with alterations of health through history taking, record keeping and communication of abnormal findings.

**546 Primary Care of Family: Health Promotion (5)**

Prerequisite: BIO 500. Pre- or Corequisite: NUR 544 and 622.

The purpose of this course is to enhance knowledge and skill in diagnostic reasoning, advanced health assessment, health promotion, health maintenance and disease prevention with regard to the family. Students will explore family concepts and theories relevant to advanced nursing practice and research. Special emphasis will be placed on meeting goals and objectives of Healthy People 2010. Clinical experiences will provide opportunities in the community for students to develop advanced practice interventions to promote health and disease throughout the lifespan.

**548 Organizational Behavior and Leadership (3)**

Corequisites: NUR 535, 695

This course provides an overview of organizational concepts, theories, perspectives, and research relevant to nursing administration, patient care delivery systems, and nursing practice organization. Emphasis is on management principles and organizational processes applicable to quality work environments and the influence of the external and internal environment on these organization, and the role and relationship of nurse leaders to the nursing practice environment and to the greater organization.

**551 Chemical and Physical Principles of Anesthesia Practice (3)**

An exploration of the basic biochemical principles and laws of physics associated with the administration of anesthesia. Emphasis is placed on an understanding of the basic principles of chemistry, biochemical drug interactions, and laws of physics that explain the movement of substances throughout the body. The laws of physics will also be applied to the mechanical functioning of the anesthesia machine and other intraoperative equipment.

**555 Advanced Practice Role Development (2)**

The purpose of this course is to enhance the student's knowledge on advanced roles for professional nursing practice. Emphasis is on philosophical inquiry, theory analysis, and the development of leadership skills for working with individuals and groups in advanced nursing practice. Major theoretical perspectives from a variety of disciplines are explored as foundation for advanced practice nursing.

**556A Advanced Practice of Adults: Health Promotion & Disease Prevention (5)****556C. Advanced Practice of Children: Health Promotion & Disease Prevention (5)**

Prerequisite: BIO 500; Pre- or Corequisite: NUR 544 and 622.

Toward enhancing knowledge and skill in diagnostic reasoning, advanced assessment, health promotion, health maintenance and disease prevention of adults(A) and children (C) respectively with regards to family environment, special emphasis will be placed on meeting goals and objectives of Healthy People 2010. Clinical experiences will provide opportunities in the community for students to develop advanced practice interventions to promote health and disease prevent.

**563. Clinical Practicum I (6)**

An introduction to the clinical practice of nurse anesthesia to begin the development of fundamental skills necessary to provide a safe and effective anesthetic. Critical thinking skills will be applied and developed through the synthesis of knowledge acquired from prior didactic coursework and simulation experiences. Pass/Fail grading.

**570 Curriculum Design (4)**

The focus of this course is the development of curricula using outcomes-based learning experiences. It addresses individual attitudes, knowledge and skills that are assessable, transferable and useful in a multicultural world. This class consists of 5.3 class hours per week.

**571 Clinical Practicum II (8)**

The focus of this clinical is to solidify the process of implementing an organized, safe and effective approach for the administration of anesthesia for general types of surgical procedures. The student will assume increasing responsibility for the independent delivery of anesthesia care to the surgical patient. Clinical preceptors at the various institutions will provide direction and supervision based on required clinical experiences. Pass/Fail grading.

**577 Nursing Administration Residency (3)**

Prerequisites: NUR 526, 528, 541, 542, 548, 595; Corequisite: NUR .615

A practicum experience designed for synthesis of theory and practice where students develop, implement, and evaluate advanced practice leadership strategies in a health care systems area of focus. An understanding of systems structures, processes, and outcomes is gained through practical experiences, personal reflection, and seminar discussions. Graded Pass/Fail.

**579 External Domestic Study Programs (1-4)**

All courses and their application must be defined and approved prior to travel.

**580 Study Abroad Programs (1-4)**

All courses and their application must be defined and approved prior to travel.

**585-586-587 Special Studies in Nursing (1-6)**

Group studies which do not appear in the school course offerings. Content will be determined by need.

**594 Nursing Administration Practicum I (2)**

Prerequisite: NUR 525.

Experiential application of the concepts examined in Nursing Administration in a workplace setting with a preceptor in nursing management. Graded Pass/Fail.

**598 Seminar (1-3)**

A non-lecture research and discussion course. Course content will be determined by need. To be used at the discretion of the department.

**600 Primary Care Provider Procedures (2)**

Toward enhancing advanced practice skills in performing procedures such as casting, splinting, suturing, dermatologic procedures, and basic surgery techniques, the student will experience clinical presentations that highlight pathophysiological processes and psychological needs of adults and their families.

**607 Educational Assessment and Evaluation Processes (3)**

While focusing on the systematic processes of assessment of learners' needs and methods of evaluation of educational outcomes, formative and summative methods of evaluation will be designed in relation to content as well as curricula of educational programs. In addition, methods of analysis and interpretation of data and uses of results are explored. Each aspect of the assessment and evaluation processes is used to guide future actions.

**611 Obstetrical Anesthesia: Pathophysiology and Perspectives of Anesthetic Care (2)**

An intense examination of the practice of obstetrical anesthesia emphasizing normal maternal and fetal changes of pregnancy, abnormal pathophysiological conditions of pregnancy, and anesthetic techniques and implications of obstetrical anesthesia.

**612 Pediatric Anesthesia: Pathophysiology and Perspectives of Anesthetic Care (2)**

This course is an in-depth examination of the practice of pediatric anesthesia. An emphasis will be placed on normal growth and development of the newborn through fourteen years of age, common pathophysiological conditions of this age group, and anesthetic techniques and implications of pediatric anesthesia.

**613 Cardiovascular/Pulmonary Anesthesia: Pathophysiology and Perspectives of Anesthetic Care (3)**

An intense examination of the practice of intrathoracic anesthesia for adult surgical patients, this course will focus on pathophysiological conditions and surgical procedures associated with the heart and pulmonary systems that may impact the delivery of anesthesia. Anesthetic implications and techniques will be presented based on the noted conditions.

**614 Neurosurgical Anesthesia: Pathophysiology and Perspectives of Anesthetic Care (2)**

An in-depth examination of the practice of neurosurgical anesthesia in the adult population with emphasis on common pathophysiological conditions associated with neurological disorders. Anesthetic techniques and implications will be presented based on neurological conditions and surgical procedures.

**615 Resource Management (3)**

The management of resources in the health care environment. Focus is managing the revenue and expense aspects of the budget and the management of personnel. This course provides guidelines for professional self-assessment of financial management.

**616 Primary Care of Family: Maternal/Child Management (5)**

Prerequisite: BIO 500; Pre- or Corequisite: NUR 544 and 622.

Designed to enhance knowledge and skills related to management of maternal child health care, this course emphasizes acute episodic and chronic conditions in the context of primary care. Management consists of identifying, monitoring, treating and maintaining health care problems in children and child-bearing women utilizing research and evidence-based practice. Clinical experiences will provide opportunities in a variety of primary care settings.

**622 Advanced Pharmacology (3)**

This course is designed to provide the advanced practice nurse with an advanced understanding of basic pharmacotherapeutics and pharmacokinetics of a broad category of pharmacologic agents. The purpose of the course is to provide the graduate with knowledge and skills needed to assess, diagnose, and manage a client's health problems in a safe, high quality, and cost-effective manner. Prescriptive and regulatory content pertinent to advanced practice will be included.

**625 Teaching/Learning Through the Lifespan (4)**

Examine models and methods of teaching and learning, learner characteristics at each developmental stage and how these influence learning will be incorporated using the nursing process as its framework.

**626A Advanced Practice of Adults: Acute Management (5)****626C Advanced Practice of Children: Acute Management (5)**

Prerequisite: NUR 544; Pre- or Corequisite: NUR 622 and BIO 500.

The purpose of this course is to enhance advance practice knowledge and skill in the accurate diagnosis and management of acute health care problems in adults (A) and children (C) with consideration of the family environment. Management consists of identifying, monitoring and treating acute pediatric health care problems utilizing research and evidence-practice. Clinical experiences will provide opportunities in acute and community based settings.

**630 Care of Family and Community Groups (2)**

An exploration of theoretical principles surrounding the care of vulnerable populations, this course places special emphasis on populations with shared risk, exposures, and behaviors. The ultimate goal is to provide culturally competent care to diverse populations by education, planning, designing, implementing, promoting and evaluating health care interventions.

**636A Advanced Practice of Adults: Chronic Management (5)****636C Advanced Practice of Children: Chronic Management (5)**

Prerequisite: NUR 544; Pre- or Corequisite: NUR 622 and BIO 500.

The purpose of this course is to enhance advanced practice knowledge and skills in the diagnosis and management of chronic health care problems in adults (A) and children (C) with consideration to the family environment. Management consists of identifying, monitoring, treating, and maintaining chronic pediatric health care problems utilizing principles of research and evidence-based practice. This course will also review theories and factors of chronic illness, content surrounding the process of referral and development of practice guidelines. Clinical experiences will provide opportunities in community and hospital based settings.

**637 Nursing Education Practicum II (3)**

Clinical culmination of the nurse educator clinical experience. It involves application of educational theories and wholistic nursing practice. Practice experiences are designed to synthesize knowledge and skills and to enable the advanced practice nurse to meet individual practice outcomes and career goals.

**641 Advanced Health Care Policy and Economic Concepts in Nursing (2)**

This course prepares the student to understand and evaluate health care policy and the economics of the health care systems as related to advanced nursing practice and prepares the student to assume a leadership role in health care systems which provide fiscally responsible and effective nursing care.

**646 Primary Care of Family: Acute/Chronic Management (5)**

Prerequisite: BIO 500; Pre- or Corequisite: NUR 544 and 622.

The purpose of this course is to enhance knowledge and skills in the diagnosis and management of chronic and acute health care problems in families. Management consists of identifying, monitoring, treating, and maintaining acute and chronic family based health care problems utilizing principles of research and evidence based practice. The student will review theories and factors of chronic illness within the context of the family. The process of referral and development of practice guidelines will also be discussed. Clinical experiences will provide opportunities in community and hospital based settings.

**647 Nursing Specialty III (2)**

Prerequisite: Nursing Specialty I and II

An intense study of the various pathophysiological conditions encountered in the practice of a Clinical Nurse Specialist. The emphasis is on knowledge, theory, and integration of practice concepts that support the nursing process in becoming an effective healthcare provider.

**650 Specialty Focus Practicum (2)**

Prerequisite: NUR 546A or 546C, and NUR 616; Corequisite: NUR 626A or 626C, and NUR 636A or 636C

This clinical course will allow students to gain clinical experience in a specific population with the goal for the student to synthesize knowledge and skills gained in core and previous specialty courses and to apply knowledge in the clinical setting. Clinical experiences will be available in a wide variety of subspecialties such as neurology, nephrology, endocrinology, gastroenterology, cardiology, dermatology, oncology, pulmonology, orthopedics, and internal medicine. Graded Pass/Fail.

**655 Independent Study (1-4)**

Individual research and study under the guidance of a graduate faculty member.

**691 Nurse Anesthesia Clinical Residency (1)**

This clinical course will provide the student experiences incorporating types of surgical procedures while introducing specialty types of anesthetic managements in the areas of obstetrics, pediatrics, neurosurgical and cardiac. In addition, the student will obtain the understanding of uncommon anesthetic managements through interactions with patient simulators. This clinical will be repeated 4 times, requiring 45 clinical hours per week.

**694 Nursing Administration Practicum II (3)**

Prerequisite: NUR 525, 594; Corequisite: NUR 535.

This course will integrate didactic material from previous courses with administrative practice. The focus is the dynamic combination of administrative theory, quality management, health care economics, organizational behavior, and information systems through mentoring and field experience. Emphasis will be placed on developing practice and decision-making skills that are excellence driven, Christ-centered, people-focused, and future-directed. Graded Pass/Fail.

**696 Thesis (3)**

Prerequisites: NUR 514, 530.

This course enables the implementation of the research proposal developed in the nursing research course. This project will focus on a problem in a school/college of nursing or health care delivery system. The subject of healthcare improvements is emphasized through nursing research utilization. Pass/Fail.

**697 Scholarly Project (3)**

Prerequisites: NUR 514, 530.

Through the completion of the scholarly project the student will identify, analyze, synthesize and utilize knowledge related to a healthcare issue in a school/college of nursing or health care delivery system. Application of critical thinking and nursing research utilization in this project will result in improved healthcare outcomes. Pass/Fail.

**720 Faith and Science (3)**

The philosophical underpinnings of the Christian worldview as it applies to faith and science in the arena of health care. An understanding of faith as the basis for hope and humanity in delivering quality health care will be discussed while incorporating the quantitative analysis of scientific principles.