School of Nursing

http://www.odu.edu/nursing

3009 Health Sciences Building
757-683-4298

Karen Karlowicz, Chair

The program leading to the Master of Science in Nursing is designed to prepare graduates with expertise in theory, research, and advanced nursing practice. Through academic courses and clinical experiences, graduate students are prepared to meet the present nationwide demand for nurses in advanced practice, leadership and education as well as to pursue doctoral study. The master’s program in nursing is fully accredited by the Commission on Collegiate Nursing Education.

Students in the program may specialize in a variety of roles. All specialties emphasize development of the nursing role through advanced theory and research. The program strives to instill in its graduates leadership responsibility, professional commitment, and a holistic approach to health and nursing care.

The number of credits required for the Master of Science in Nursing degree varies and reflects the number of hours in the core plus the hours required for certification in a specialty. The nurse anesthesia role option requires 82 credits. The family nurse practitioner role option requires 49 credit hours. There is a joint program with Shenandoah University in nurse midwifery that is 42 credits. Adult-Gerontology Clinical Nurse Specialist/Educator program is 49 credits.

Admission to the Graduate Program

In addition to meeting University and college requirements, applicants must have:

1. Completed a baccalaureate degree with an upper-division major in nursing from a National League for Nursing accredited college or university program, or Commission on Collegiate Nursing Education accredited college or university program or the equivalent.
2. Demonstrated graduate potential by satisfactory scholastic achievement in the baccalaureate nursing program (grade point average of 3.00 on a 4.00 scale).
3. Completed an undergraduate course in statistics.
4. Completed a health assessment component (undergraduate)
5. Attained a satisfactory score on the Miller Analogies Test (MAT) or the Graduate Record Examination (GRE), taken within the past five years. Test scores are waived with a GPA of 3.5 or above except the nurse anesthesia program requires the submission of GRE scores. Scores are not required for DNP applicants.
6. A current license as a registered nurse.
7. At least one year of recent clinical nursing experience. Applicants for the nurse anesthesia role must have at least a minimum of one year (2080 hours) of full time nursing experience in an intensive care unit within the 2 years prior to application.
8. Presented three letters of professional reference, including one from the dean or a member of the nursing faculty in the baccalaureate program in nursing and two from the most recent employer.
9. Submission of a short essay (500 to 700 words) describing professional and academic goals, and how graduate study in nursing will contribute to the fulfillment of these goals.

An interview may be advised for prospective students. Students applying to the nurse anesthesia program should contact the director of the nurse anesthesia program at (757) 368-4171. For full consideration, applications for the nurse anesthesia program must be submitted by October 1 of the year prior to the August starting date. Applications for the FNP and Nurse Midwifery programs must be submitted by March 1 and applications for the Adult Gerontology Clinical Nurse Specialist/Nurse Educator program must be submitted by May 1.

Degree Requirements

In addition to general University requirements, the following apply to candidates for the Master of Science in Nursing degree:

1. Only degree-seeking students may take graduate nursing courses.
2. Only full-time study is available for all MSN roles except for the Nurse Executive/Administrator. Full time and part time study is available for the DNP roles. Contact the graduate nursing office regarding study options for each program at (757) 683-4298.
3. A written comprehensive examination covering the program of study is required by the final semester of study for MSN students not electing to complete a thesis. A student must be registered in the semester the comprehensive exam is taken.
4. The student must make arrangements three months in advance to take a nursing course with a laboratory or practicum component to assure appropriate and available placement for the learning experience. Arrangements are made through the Student Clinical Services Coordinator.
5. The B grade (3.00) is the minimal acceptable grade for all courses with a NURS or NURA prefix or any course required for the degree for continuation in the master’s or doctoral program. Satisfactory performance in the laboratory or practicum component of a nursing course is required. Students achieving less than a B grade (3.00) in a nursing course may request an opportunity from the role program director to repeat the course once. Two course failures will result in termination from the nursing program. Students may not progress with an incomplete in prerequisite courses as listed in the curriculum plan.

Additional requirements such as physical exams, CPR certification, immunization requirements, professional liability insurance, computer competencies and technical standards and background checks for the School of Nursing are also available in the Nursing Student Handbook and on the School of Nursing web page.

Master of Science in Nursing – Family Nurse Practitioner Role

Carolyn Rutledge, Associate Chair for Graduate Programs

The family nurse practitioner (FNP) role prepares graduate students to provide a full range of primary care services to individuals and families throughout the life span. In collaboration with other health care professionals, graduate students provide health promotion, health maintenance and restorative care to well, at-risk, and chronically ill clients and their families. Student clinical experiences are provided in a variety of primary care settings. Successful completion of the program qualifies students to register for the AANP or ANCC examination for certification as a family nurse practitioner.

Degree Requirements

Full-time curricula are available. No FNP course may be taken unless admitted to the FNP program. Unless specifically stated, all courses in the previous semester must be completed before taking courses in the subsequent semesters. Course work must be completed according to the full-time curriculum.

FNP Full Time Curriculum

First Semester (Fall)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>NURS 715</td>
<td>Ethical Concepts of Advanced Practice Nursing</td>
<td>2</td>
</tr>
<tr>
<td>NURS 770</td>
<td>Pathophysiology for Advanced Nursing Practice</td>
<td>3</td>
</tr>
<tr>
<td>NURS 771</td>
<td>Physical Assessment for Advanced Nursing Practice</td>
<td>3</td>
</tr>
<tr>
<td>NURS 800</td>
<td>DNP I: Introduction to Healthcare Disparities, Vulnerable Populations, and Epidemiology</td>
<td>2</td>
</tr>
</tbody>
</table>

Second Semester (Spring)
NURS 709 Evidence-Based Research and Theories for Nursing Practice 3
NURS 761 Pharmacology for Advanced Practice Nursing 3
NURS 762 Advanced Family Nursing I: Management of Acute Illnesses 3
NURS 763 Health Promotion and Maintenance 2

Third Semester (Summer)
NURS 705 Primary Care Approaches for Children 3
NURS 719 Family and Community Primary Care Assessment 1
NURS 721 Aging in the 21st Century 3
NURS 760 Advanced Family Nursing I Practicum 2

Fourth Semester (Fall)
NURS 764 Advanced Family Nursing II Practicum 4
NURS 765 Advanced Family Nursing II: Management of Chronic Illnesses 3
NURS 766 Primary Care for Women 3

Fifth Semester (Spring)
NURS 767 Advanced Family Nursing III Practicum 4
NURS 802 The Business of Advanced Practice Nursing 3
NURS 805 Application of Practice-Based Research Methods 2

Total Hours 49

Master of Science in Nursing – Nurse Anesthesia Role

Nathaniel Apatov, Program Director

The Master of Science in Nursing program in nurse anesthesia is an 82-credit, 28-month program beginning in late August. During the first year, the program is designed to introduce students to the basic theoretical knowledge and skills necessary for advanced nursing practice in nurse anesthesia. The first 12 months of the program are primarily didactic. The last 16 months of the program are the clinical component comprised of both general and regional anesthesia techniques for surgery and clinical specialties such as eyes, ears, nose and throat, neurosurgery, vascular surgery, open heart, obstetrics, trauma, and organ transplants. During this phase of the program, the student returns to the classroom on a weekly basis for extensive clinically related study.

Upon successful completion of the 28-month program, the graduate receives the M.S.N. degree, and becomes eligible to write the National Certifying Examination for Nurse Anesthetists given by the Council on Certification of Nurse Anesthetists. Graduates successfully completing this exam become Certified Registered Nurse Anesthetists (CRNAs).

A prerequisite for enrollment in the first year first semester is degree seeking status and admission to the MSN-Nurse Anesthesia track. Successful completion of courses in the previous semester is a prerequisite for enrollment in the next semester. All courses within a semester are corequisites and must be taken together.

Nurse Anesthesia Full Time Curriculum

First Semester (Fall)
NURS 611 Research Design 3
NURS 646 Structure and Function for Advanced Nursing Practice I 3
NURA 660 Pharmacotherapeutics for the Nurse Anesthetist 3
NURA 650 Medical Physical Sciences 3
NURA 654 Professional Aspects of Anesthesia 3

Second Semester (Spring)
NURS 610 Theoretical Foundations for Nursing Practice 3

NURS 647 Structure and Function for Advanced Nursing Practice II 3
NURA 651 Pharmacology of Anesthesia Drugs 4
NURA 652 Principles of Anesthesia Practice I 4

Third Semester (Summer)
NURA 653 Principles of Anesthesia Practice II 4
NURA 754 Anesthesia Practice 4
NURA 648 Disease Processes for Advanced Practice 3
NURA 771 Physical Assessment for Advanced Nursing Practice 3

Fourth Semester (Fall)
NURA 655 Principles of Anesthesia Practice III 4
NURA 755 Clinical Practice A 6

Fifth Semester (Spring)
NURA 756 Clinical Practice B 10

Sixth Semester (Summer)
NURA 757 Clinical Practice C 10

Seventh Semester (Fall)
NURA 758 Clinical Practice D 10
MSN Comprehensive Examination

Total Hours 83

Master of Science in Nursing - Adult Gerontology Clinical Nurse Specialist/Educator Role

Tina Haney, Co-Program Director
Pamela Sharp, Co-Program Director

The School of Nursing offers a curriculum leading to the degree of Master of Science in Nursing with an advanced practice area of Adult Gerontology Clinical Nurse Specialist/Educator. The program of study prepares students as expert clinicians in the application of evidence-based knowledge within the realms of nursing interventions, teaching and research. Students also receive preparation as nurse educators, and are therefore dually prepared for clinical and academic roles.

The program requires course content in theory, research, education, Adult Gerontology CNS professional and clinical cores, and the advanced practice area with a secondary focus. Applicants are admitted for either full-time or part-time study and can begin in fall. The curriculum is designed to prepare nurses as Adult Gerontology Clinical Nurse Specialists with a secondary clinical focus in an area of their choice. Graduates of this program are eligible to sit for the American Nurses’ Association (ANCC) Adult Gerontology Clinical Nurse Specialist Certification Exam.

Adult Gerontology Clinical Nurse Specialist/Educator Full Time Curriculum

First Semester (Fall)
NURS 715 Ethical Concepts of Advanced Practice Nursing 2
NURS 770 Pathophysiology for Advanced Nursing Practice 3
NURS 771 Physical Assessment for Advanced Nursing Practice 3
NURS 800 DNP I: Introduction to Healthcare Disparities, Vulnerable Populations, and Epidemiology 2

Second Semester (Spring)
NURS 709 Evidence-Based Research and Theories for Nursing Practice 3
NURS 761 Pharmacology for Advanced Practice Nursing 3
NURS 763 Health Promotion and Maintenance 2

School of Nursing 2
**NURS 802**  The Business of Advanced Nursing Practice 3  

**Third Semester (Summer)**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>NURS 721</td>
<td>Aging in the 21st Century</td>
<td>3</td>
</tr>
<tr>
<td>NURS 738</td>
<td>Adult-Gerontology Clinical Nurse Specialist I: Introduction to Practice</td>
<td>2</td>
</tr>
<tr>
<td>NURS 739</td>
<td>Adult-Gerontology Clinical Nurse Specialist II: Role Socialization</td>
<td>3</td>
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**Fourth Semester (Fall)**

<table>
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<tr>
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<tr>
<td>NURS 730</td>
<td>Nursing Curricular Design and Program Evaluation</td>
<td>3</td>
</tr>
<tr>
<td>NURS 756</td>
<td>Adult-Gerontology Clinical Nurse Specialist III: Transitions to Practice</td>
<td>2</td>
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<tr>
<td>NURS 757</td>
<td>Adult-Gerontology Clinical Nurse Specialist Practicum II: Role Transition</td>
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**Fifth Semester (Spring)**

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<thead>
<tr>
<th>Course Code</th>
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<tr>
<td>NURS 720</td>
<td>Instructional Delivery Methods &amp; Learner Assessment</td>
<td>3</td>
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<tr>
<td>NURS 734</td>
<td>Nurse Educator/Faculty Internships I Classroom Instruction</td>
<td>2</td>
</tr>
<tr>
<td>NURS 805</td>
<td>Application of Practice-Based Research Methods</td>
<td>2</td>
</tr>
<tr>
<td>NURS 865</td>
<td>DNP Clinical Practicum I</td>
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**Total Hours** 46

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**Master of Science in Nursing - Nurse Midwifery (cooperative program with Shenandoah University)**

TBA, Graduate Program Director  

Julianna Fehr, Shenandoah University Coordinator

The Master’s in Nursing, with specialization in nurse midwifery, is a joint program with Shenandoah University. The two-year program includes advanced practice nursing content offered by Old Dominion University in the Hampton Roads region at eight distance sites in Virginia during the first year. The second year in the midwifery program is at Shenandoah University. The Master of Science in Nursing is awarded by Old Dominion University and a certificate of midwifery specialty is awarded by Shenandoah University. Graduates are eligible to take the national midwifery certification examination. The program is full time study.

**Nurse Midwifery Full Time Curriculum**

**First Semester (Fall) (ODU)**

<table>
<thead>
<tr>
<th>Course Code</th>
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<tbody>
<tr>
<td>NURS 719</td>
<td>Family and Community Primary Care Assessment</td>
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<td>NURS 761</td>
<td>Pharmacology for Advanced Practice Nursing</td>
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<tr>
<td>NURS 771</td>
<td>Physical Assessment for Advanced Nursing Practice</td>
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**Second Semester (Spring) (ODU)**

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<tr>
<td>NURS 709</td>
<td>Evidence-Based Research and Theories for Nursing Practice</td>
<td>3</td>
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<tr>
<td>NURS 763</td>
<td>Health Promotion and Maintenance</td>
<td>2</td>
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<tr>
<td>NURS 766</td>
<td>Primary Care for Women</td>
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**Third Semester (Summer) (ODU)**

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<td>NURS 715</td>
<td>Ethical Concepts of Advanced Practice Nursing</td>
<td>2</td>
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<tr>
<td>NURS 721</td>
<td>Aging in the 21st Century</td>
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**Fourth Semester (Fall) (SU)**

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<tbody>
<tr>
<td>NURS 695</td>
<td>SU Nursing (Primary Care of Women)</td>
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**Fifth Semester (Spring) (SU)**

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<th>Course Code</th>
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<tbody>
<tr>
<td>NURS 695</td>
<td>SU Nursing (Midwifery Practicum)</td>
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<tr>
<td>NURS 695</td>
<td>SU Nursing (Comprehensive Perinatal Care)</td>
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**Sixth Semester (Summer) (SU)**

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<tr>
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<tbody>
<tr>
<td>NURS 695</td>
<td>SU Nursing (Integrated Midwifery Program)</td>
<td>7</td>
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<tr>
<td>NURS 695</td>
<td>SU Nursing (Advanced Nurse-Midwifery Role Development)</td>
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**Total Hours** 42

**BS-MSN-DNP: Adult Gerontology Clinical Nurse Specialist/Educator**

**BS-MSN-DNP Full Time Curriculum**

**First Semester (Fall)**

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<td>NURS 802</td>
<td>DNP I: Introduction to Healthcare Disparities, Vulnerable Populations, and Epidemiology</td>
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**Second Semester (Spring)**

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<td>Adult-Gerontology Clinical Nurse Specialist II: Role Socialization</td>
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**Fourth Semester (Fall)**

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<td>Nursing Curricular Design and Program Evaluation</td>
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<tr>
<td>NURS 757</td>
<td>Adult-Gerontology Clinical Nurse Specialist Practicum II: Role Transition</td>
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**Fifth Semester (Spring)**

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<tr>
<td>NURS 865</td>
<td>DNP Clinical Practicum I</td>
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**Sixth Semester (Summer)**

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<tr>
<td>NURS 801</td>
<td>DNP II: Roles and Responsibilities for Transforming Practice</td>
<td>3</td>
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<tr>
<td>NURS 806</td>
<td>Proposal Development and Database Management</td>
<td>4</td>
</tr>
<tr>
<td>NURS 866</td>
<td>DNP Clinical Practicum II</td>
<td>2</td>
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</table>
BS-MSN-DNP: Nurse Executive

Nancy Sweeney, Program Director

The BS-MSN-DNP program prepares students with the knowledge and skills to move into leadership positions within hospitals and healthcare organizations. The program focuses on the American Organization of Nurse Executive (AONE) guidelines for executive practice as well as the AACN DNP Essentials. The course content focuses on leadership skills, fiscal and human resource management, working with vulnerable populations, magnet achievement, organizational research, and emerging technologies. Students participate in practicum experiences throughout the program. Students are eligible to take the national AONE certifying exam upon completion.

BS-MSN-DNP Full Time Curriculum

<table>
<thead>
<tr>
<th>Courses for MSN Degree</th>
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<tbody>
<tr>
<td><strong>First Semester Spring</strong></td>
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<tr>
<td>NURS 717</td>
<td>Strategic Leadership Practicum</td>
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<tr>
<td>NURS 740</td>
<td>Strategic Leadership</td>
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<tr>
<td>NURS 780</td>
<td>Financial Issues in Nursing Administration</td>
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<tr>
<td><strong>Second Semester Summer</strong></td>
<td></td>
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<tr>
<td>NURS 709</td>
<td>Evidence-Based Research and Theories for Nursing Practice</td>
</tr>
<tr>
<td>NURS 712/812</td>
<td>Evidence based Management for Quality Healthcare</td>
</tr>
<tr>
<td>NURS 716</td>
<td>Organizational Leadership Practicum</td>
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<tr>
<td>NURS 735</td>
<td>Organizational and Management Theory</td>
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<tr>
<td><strong>Third Semester Fall</strong></td>
<td></td>
</tr>
<tr>
<td>NURS 714/814</td>
<td>Competitive Resource Design and Utilization</td>
</tr>
<tr>
<td>NURS 718</td>
<td>Practicum Immersion for Novice Nurse Executives</td>
</tr>
<tr>
<td><strong>MSN Comprehensive Exam</strong></td>
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</tr>
<tr>
<td>NURS 715</td>
<td>Ethical Concepts of Advanced Practice Nursing</td>
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</table>

Total Hours 29

* After successful completion of the Comprehensive Exam, M.S.N. degree will be awarded.

Courses for D.N.P. Degree

<table>
<thead>
<tr>
<th>Courses for D.N.P. Degree</th>
<th></th>
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</thead>
<tbody>
<tr>
<td><strong>Fourth Semester (Spring)</strong></td>
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<tr>
<td>NURS 800</td>
<td>DNP I: Introduction to Healthcare Disparities, Vulnerable Populations, and Epidemiology</td>
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<tr>
<td>NURS 805</td>
<td>Application of Practice-Based Research Methods</td>
</tr>
<tr>
<td>NURS 810</td>
<td>Leadership in Complex Systems and Organizations</td>
</tr>
<tr>
<td>NURS 816</td>
<td>DNP Executive Practicum I</td>
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<tr>
<td><strong>Fifth Semester (Summer)</strong></td>
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<tr>
<td>NURS 806</td>
<td>Proposal Development and Database Management</td>
</tr>
<tr>
<td>NURS 817</td>
<td>DNP Executive Practicum II</td>
</tr>
<tr>
<td><strong>Sixth Semester (Fall)</strong></td>
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| NURS 807 | Informatics and Healthcare Technology | 3 |
| NURS 818 | DNP Executive Practicum III | 3-5 |
| **Seventh Semester (Spring)** |  |
| NURS 809 | Advocacy for Healthcare Public Policy for Advanced Practice | 3 |
| NURS 819 | DNP Executive Practicum IV | 3-5 |
| NURS 890 | DNP Nursing Capstone | 3 |

Total Hours 31-38

* Total credit hours for the BS to DNP Nurse Executive Program is 62-63 hours. Total credit hours could increase depending on the number of practicum hours needed.

BS-MSN-DNP Family Nurse Practitioner

BS-MSN-DNP Full Time Curriculum

<table>
<thead>
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<th>Courses for DNP Degree</th>
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<tr>
<td><strong>First Semester (Fall)</strong></td>
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<tr>
<td>NURS 751</td>
<td>Ethical Concepts of Advanced Practice Nursing</td>
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<td>Pathophysiology for Advanced Nursing Practice</td>
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<tr>
<td><strong>Second Semester (Spring)</strong></td>
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<tr>
<td>NURS 709</td>
<td>Evidence-Based Research and Theories for Nursing Practice</td>
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<tr>
<td>NURS 761</td>
<td>Pharmacology for Advanced Practice Nursing</td>
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<tr>
<td>NURS 762</td>
<td>Advanced Family Nursing I: Management of Acute Illnesses</td>
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<tr>
<td>NURS 763</td>
<td>Health Promotion and Maintenance</td>
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<tr>
<td>NURS 705</td>
<td>Primary Care Approaches for Children</td>
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<tr>
<td>NURS 719</td>
<td>Family and Community Primary Care Assessment</td>
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<td>NURS 721</td>
<td>Aging in the 21st Century</td>
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<td>NURS 760</td>
<td>Advanced Family Nursing I Practicum</td>
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<tr>
<td>NURS 764</td>
<td>Advanced Family Nursing II Practicum</td>
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<tr>
<td>NURS 765</td>
<td>Advanced Family Nursing II: Management of Chronic Illnesses</td>
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<tr>
<td>NURS 766</td>
<td>Primary Care for Women</td>
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<tr>
<td><strong>Fifth Semester (Spring)</strong></td>
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<tr>
<td>NURS 802</td>
<td>The Business of Advanced Nursing Practice</td>
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<tr>
<td>NURS 805</td>
<td>Application of Practice-Based Research Methods</td>
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<tr>
<td>NURS 767</td>
<td>Advanced Family Nursing III Practicum</td>
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<tr>
<td>NURS 865</td>
<td>DNP Clinical Practicum I</td>
</tr>
</tbody>
</table>

MSN conferred. Students will be eligible to take FNP certification exam after completion of 5th semester with the successful completion of all FNP Role courses. Those continuing on to the DNP program will take NURS 865 instead of NURS 822.

**Sixth Semester (Summer)**

<table>
<thead>
<tr>
<th>Courses for DNP Degree</th>
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<tbody>
<tr>
<td>NURS 801</td>
<td>DNP II: Roles and Responsibilities for Transforming Practice</td>
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<tr>
<td>NURS 806</td>
<td>Proposal Development and Database Management</td>
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<td>NURS 866</td>
<td>DNP Clinical Practicum II</td>
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<tr>
<td><strong>Seventh Semester (Fall)</strong></td>
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</tbody>
</table>

School of Nursing 4
BS-MSN-DNP Full Time Curriculum

First Semester (Fall)

NURS 715 Ethical Concepts of Advanced Practice Nursing 2
NURS 771 Physical Assessment for Advanced Nursing Practice 3
NURS 770 Pathophysiology for Advanced Nursing Practice 3
NURS 800 DNP I: Introduction to Healthcare Disparities, Vulnerable Populations, and Epidemiology 2

Second Semester (Spring)

NURS 761 Pharmacology for Advanced Practice Nursing 3
NURS 709 Evidence-Based Research and Theories for Nursing Practice 3
NURS 763 Health Promotion and Maintenance 2
NURS 802 The Business of Advanced Nursing Practice 3

Third Semester (Summer)

NURS 705 Primary Care Approaches for Children 3
NURS 781 Advanced Pediatric Nursing: Practicum I Primary Care 2
NURS 719 Family and Community Primary Care Assessment 1
NURS 782 Growing up in the 21st Century from a Nursing Perspective 3

Fourth Semester (Fall)

NURS 783 Management of Acute/Critical Pediatric Conditions 1 3
NURS 784 Advanced Pediatric Nursing: Practicum II 4
NURS 785 Seminar in Pediatrics: Management of Chronic and Complex Clinical Problems 3

Fifth Semester (Spring)

NURS 786 Management of Acute/Critical Pediatric Conditions II 3

BS-MSN-DNP: Pediatric Nurse Practitioner

Carolyn Rutledge, Associate Chair for Graduate Programs

The pediatric nurse practitioner (PNP) role prepares graduate students to provide a full range of services to pediatric patients in acute/critical care or primary care settings. The setting will be based on the student’s choice to pursue either the acute/critical care or primary care option. In collaboration with other health care professionals, graduate students provide health promotion, health maintenance and restorative care to well, at-risk, and chronically ill pediatric patients and their families. Student clinical experiences are provided in a variety of primary care settings for students pursuing the primary care pediatric role. The students pursuing the acute/critical care pediatric nurse practitioner role will participate in clinical care experiences in acute and critical care settings. Successful completion of the program qualifies students to register for the examination for certification as a pediatric nurse practitioner.

BS-MSN-DNP: Neonatal Nurse Practitioner

Carolyn Rutledge, Associate Chair for Graduate Programs

The neonatal nurse practitioner (NNP) provides population-focused health care to preterm (<37 weeks) and term neonates, infants, and children up to 2 years of age. As a key member of an interprofessional team, the NNP participates in a wide variety of complex patient care activities in settings that include, but are not limited to, all levels of neonatal inpatient care in both academic and community-based settings; transport, acute care, and chronic care settings; delivery rooms; and outpatient settings. Student clinical experiences are designed to prepare the graduate to practice as a NNP providing direct patient care in a newborn nursery, or in a Level II, III, or IV NICU. Successful completion of the program qualifies students to register for the examination for certification as neonatal nurse practitioner.
Certificate Full Time Curriculum

Nurse Executive/Health Science Executive special permission of the instructor.

Evidence-Based Management, and Competitive Resources Design and in this program cover the basic knowledge of Informatics, Leadership,

This program is designed for students to develop competency in serving in a nurse executive or MBA role with a health science focus within healthcare organizations, hospitals and ambulatory care settings. The core courses in this program cover the basic knowledge of Informatics, Leadership, Evidence-Based Management, and Competitive Resources Design and Utilization. The program is offered to MBA, DNP and PhD students or by special permission of the instructor.

Nurse Executive/Health Science Executive Certificate Full Time Curriculum

Fifth Semester (Spring)
Please contact program for information on neonatal nursing specific courses.

NURS 805 Application of Practice-Based Research Methods 2
NURS 865 DNP Clinical Practicum I 2

Sixth Semester (Summer)

NURS 801 DNP II: Roles and Responsibilities for Transforming Practice 3
NURS 806 Proposal Development and Database Management 4
NURS 866 DNP Clinical Practicum II 2

Seventh Semester (Fall)

NURS 803 Leadership and Interprofessional Practice in Healthcare 3
NURS 807 Informatics and Healthcare Technology 3
NURS 867 DNP Clinical Practicum III 3

Eighth Semester (Spring)

NURS 809 Advocacy for Healthcare Public Policy for Advanced Practice 3
NURS 868 DNP Clinical Practicum IV 3
NURS 890 DNP Nursing Capstone 3

Total Hours 50

Nurse Educator Certificate

The Nurse Educator Certificate program is designed to offer nurses with at least one graduate degree in nursing the opportunity to earn academic credit while gaining valuable knowledge and practical experience related to teaching in entry-level or graduate nursing education programs.

Nurse Educator Certificate Full Time Curriculum

NURS 720 Instructional Delivery Methods & Learner Assessment 3
NURS 730 Nursing Curricular Methods & Program Evaluation 3
NURS 734 Nurse Educator/Faculty Internships I Classroom Instruction 2

Total Hours 8

Nurse Executive Certificate/Health Science Executive Certificate

Carolyn Rutledge, Associate Chair for Graduate Programs

This program is designed for students to develop competency in serving in a nurse executive or MBA role with a health science focus within healthcare organizations, hospitals and ambulatory care settings. The core courses in this program cover the basic knowledge of Informatics, Leadership, Evidence-Based Management, and Competitive Resources Design and Utilization. The program is offered to MBA, DNP and PhD students or by special permission of the instructor.

Nurse Executive/Health Science Executive Certificate Full Time Curriculum

NURS 710/810 Leadership in Complex Systems and Organizations 3
NURS 712/812 Evidence based Management for Quality Healthcare 3
NURS 707/807 Informatics and Healthcare Technology 3

Total Hours 36

Doctor of Nursing Practice (DNP) - Advanced Practice (Post Master's)

Carolyn Rutledge, Associate Chair for Graduate Programs

The Doctor of Nursing Practice (DNP) degree will provide additional education for advanced practice nurses in:

1. Advanced diagnostics and practice skills;
2. Care of the underserved and increasingly diverse population; and
3. Incorporation of emerging care technologies. The program may be completed as a full-time or part-time student and is distance friendly.

In order to graduate from Old Dominion University’s DNP Program, a student must have successfully completed all 36 post-masters credit hours of required course work, including an evidence-based capstone project and all clinical practica. It will take a full-time student four semesters (spring, summer, fall and spring) to complete the program. A part-time student will complete the DNP program in seven semesters (spring, summer, fall, spring, summer, fall, and spring).

DNP Advanced Practice Full Time Curriculum

First Semester (Spring)

NURS 800 DNP I: Introduction to Healthcare Disparities, Vulnerable Populations, and Epidemiology 2
NURS 802 The Business of Advanced Nursing Practice 3
NURS 805 Application of Practice-Based Research Methods 2
NURS 865 DNP Clinical Practicum I 2

Second Semester (Summer)

NURS 801 DNP II: Roles and Responsibilities for Transforming Practice 3
NURS 806 Proposal Development and Database Management 4
NURS 866 DNP Clinical Practicum II 2

Third Semester (Fall)

NURS 803 Leadership and Interprofessional Practice in Healthcare 3
NURS 807 Informatics and Healthcare Technology 3
NURS 867 DNP Clinical Practicum III 3

Fourth Semester (Spring)

NURS 809 Advocacy for Healthcare Public Policy for Advanced Practice 3
NURS 868 DNP Clinical Practicum IV 3
NURS 890 DNP Nursing Capstone (DNP Capstone) 3

Total Hours 12

Doctor of Nursing Practice (DNP) – Nurse Executive (Post-Master's)

Nancy Sweeney, Program Director

The Nurse Executive role prepares top level nurse executives for leadership positions in a health system. The program outcomes are consistent with the American Organization of Nurse Executive guidelines for nurse executive practice. Content focuses on executive leadership skills, working with vulnerable populations, fiscal and human resource management, quality magnet achievement, emerging technology, and organizational research in clinical issues. Students participate in executive internships throughout the program in their home area. Upon program completion, graduates are eligible to take the national certification examination.
DNP Nurse Executive Full Time Curriculum

First Semester (Spring)

NURS 800  DNP I: Introduction to Healthcare Disparities, Vulnerable Populations, and Epidemiology  2

NURS 805  Application of Practice-Based Research Methods  2

NURS 810  Leadership in Complex Systems and Organizations  3

NURS 816  DNP Executive Practicum I  2-3

Second Semester (Summer)

NURS 806  Proposal Development and Database Management  4

NURS 812  Evidence-Based Management for Quality Healthcare  3

NURS 817  DNP Executive Practicum II  3-5

Third Semester (Fall)

NURS 807  Informatics and Healthcare Technology  3

NURS 814  Competitive Resource Design and Utilization  3

NURS 818  DNP Executive Practicum III  3-5

Fourth Semester (Spring)

NURS 809  Advocacy for Healthcare Public Policy for Advanced Practice  3

NURS 819  DNP Executive Practicum IV  3-5

NURS 890  DNP Nursing Capstone (DNP Capstone)  3

Total Hours  37-44

NURSE ANESTHESIA Courses

NURA 650. Medical Physical Sciences. 3 Credits.
Prepares the health care worker for a more advanced role on the health care team by providing an introduction to physics and biochemistry. Prerequisites: admission to the program.

NURA 651. Pharmacology of Anesthesia Drugs. 4 Credits.
Prepares the R.N. for a role on the anesthesia patient care team and in the administration of anesthesia by teaching analysis, synthesis, and evaluation skills in selecting and discussing appropriate anesthesia drugs for utilization in patient care situations. Prerequisites: NURA 650.

NURA 652. Principles of Anesthesia Practice I. 4 Credits.
Prepares the R.N. for a role on the anesthesia patient care team and in the administration of anesthesia by teaching a basic level of expertise in understanding and using anesthesia equipment in a competent and safe manner. Prerequisites: NURA 650.

NURA 653. Principles of Anesthesia Practice II. 4 Credits.
Prerequisites: NURA 652. This is the second course in the series on basics of anesthesia practice. Prepares the R.N. for a role on the anesthesia patient care team and in the administration of anesthesia by teaching a basic level of cognitive, affective, and psychomotor expertise for the pre-operative, perioperative, and postoperative anesthesia periods.

NURA 654. Professional Aspects of Anesthesia. 3 Credits.
A study of the unique goals, difference means, distinctive content, and special problems of health/anesthesia care and education in this country. Includes such areas as management, organization, legal aspects, professional adjustments, ethics, psychology, and history. Prerequisites: admission to the program.

NURA 655. Principles of Anesthesia Practice III. 4 Credits.
Prerequisites: NURA 653. Continuation of role preparation in administration of anesthesia.

NURA 660. Pharmacotherapeutics for the Nurse Anesthetist. 3 Credits.
This course is designed to expand the graduate nurse anesthetist student’s understanding of pharmacological principles including pharmacokinetics and pharmacodynamics in the advanced practice role of nurse anesthesia. Prerequisites: admission to the program.

NURA 695. Topics in Nurse Anesthesia. 1-6 Credits.

NURA 754. Anesthesia Practicum. 4 Credits.
Orientation to the operating room and anesthesia. Additional selected clinical experiences. Prerequisites: NURA 652.

NURA 755. Clinical Practicum A. 6 Credits.
Each course consists of orientation to the Operating Room and the Anesthesia Department. Provides actual administration of general and regional anesthesia with qualified clinical instructors (Anesthesiologists and/or CRNA’s). Weekly classroom sessions consist of clinical conferences; journal club; and seminars dealing with current topics, including, but not necessarily limited to, respiratory, cardiovascular, thoracic, neuro, regional, obstetrical, pediatric, and special areas of anesthesia. Various special projects and competency examinations are administered throughout this phase. Prerequisites: admission to the program.

NURA 756. Clinical Practicum B. 10 Credits.
Each course consists of orientation to the Operating Room and the Anesthesia Department. Provides actual administration of general and regional anesthesia with qualified clinical instructors (Anesthesiologists and/or CRNA’s). Weekly classroom sessions consist of clinical conferences; journal club; and seminars dealing with current topics, including, but not necessarily limited to, respiratory, cardiovascular, thoracic, neuro, regional, obstetrical, pediatric, and special areas of anesthesia. Various special projects and competency examinations are administered throughout this phase. Prerequisites: admission to the program.

NURA 757. Clinical Practicum C. 10 Credits.
Each course consists of orientation to the Operating Room and the Anesthesia Department. Provides actual administration of general and regional anesthesia with qualified clinical instructors (Anesthesiologists and/or CRNA’s). Weekly classroom sessions consist of clinical conferences; journal club; and seminars dealing with current topics, including, but not necessarily limited to, respiratory, cardiovascular, thoracic, neuro, regional, obstetrical, pediatric, and special areas of anesthesia. Various special projects and competency examinations are administered throughout this phase. Prerequisites: admission to the program.

NURA 758. Clinical Practicum D. 10 Credits.
Each course consists of orientation to the Operating Room and the Anesthesia Department. Provides actual administration of general and regional anesthesia with qualified clinical instructors (Anesthesiologists and/or CRNA’s). Weekly classroom sessions consist of clinical conferences; journal club; and seminars dealing with current topics, including, but not necessarily limited to, respiratory, cardiovascular, thoracic, neuro, regional, obstetrical, pediatric, and special areas of anesthesia. Various special projects and competency examinations are administered throughout this phase. Prerequisites: admission to the program.

NURA 759. Advanced CRNA Clinical Course. 12 Credits.
This advanced placement credit is awarded to the certified registered nurse anesthetist who has demonstrated knowledge of selected complex nursing concepts for the provision of anesthesia services. Prerequisites: B.S.N. degree with CRNA license.

NURA 998. Master’s Graduate Credit. 1 Credit.
This course is a pass/fail course for master’s students in their final semester. It may be taken to fulfill the registration requirement necessary for graduation. All master’s students are required to be registered for at least one graduate credit hour in the semester of their graduation.

NURSING Courses

NURS 595. Topics in Nursing. 1-3 Credits.
The study of selected topics that may not be offered regularly. Special topics will appear in the schedule of classes each semester. Prerequisites: Permission of the instructor.
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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>NURS 610</td>
<td>Theoretical Foundations for Nursing Practice</td>
<td>3</td>
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<tr>
<td>NURS 611</td>
<td>Research Design</td>
<td>3</td>
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<tr>
<td>NURS 619</td>
<td>Advanced Nursing Practice IV</td>
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<tr>
<td>NURS 620</td>
<td>Professional Relationships and Human Resources Management</td>
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<td>NURS 634</td>
<td>Instructional Delivery Methods in Nursing Education</td>
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<td>NURS 636</td>
<td>Instructional Delivery Methods in Nursing Education</td>
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<td>NURS 644</td>
<td>Clinical Teaching Methods for the Nurse Educator</td>
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<tr>
<td>NURS 645</td>
<td>Nursing Curriculum Design and Course Development</td>
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<tr>
<td>NURS 646</td>
<td>Structure and Function for Advanced Nursing Practice I</td>
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<tr>
<td>NURS 647</td>
<td>Structure and Function for Advanced Nursing Practice II</td>
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<tr>
<td>NURS 648</td>
<td>Disease Processes for Advanced Practice</td>
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<td>NURS 649</td>
<td>Nurse Educator/Faculty Internship II Clinical Instruction</td>
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<td>NURS 650</td>
<td>Assessment and Evaluation in Nursing Education</td>
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<td>NURS 651</td>
<td>Professional, Ethical and Legal Concepts of Nursing</td>
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<td>NURS 652</td>
<td>Assessment and Evaluation in Nursing Education</td>
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<tr>
<td>NURS 653</td>
<td>Assessment and Evaluation in Nursing Education</td>
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<tr>
<td>NURS 654</td>
<td>Advanced Nursing Practice in Women's Health I</td>
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<td>NURS 655</td>
<td>Advanced Nursing Practice in Women's Health II</td>
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<td>NURS 656</td>
<td>Advanced Family Nursing I Practicum</td>
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<td>NURS 657</td>
<td>Advanced Physical Assessment Laboratory</td>
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<td>NURS 658</td>
<td>Advanced Maternal Child Nursing Practice II</td>
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<tr>
<td>NURS 659</td>
<td>Advanced Maternal Child Nursing Practice III</td>
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<td>NURS 660</td>
<td>Advanced Nursing Practice in Women's Health III</td>
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<td>NURS 661</td>
<td>Theoretical Foundations for Nursing Practice</td>
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<td>NURS 662</td>
<td>Research Design</td>
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<td>NURS 663</td>
<td>Infection Control and Epidemiology</td>
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<td>Structure and Function for Advanced Nursing Practice I</td>
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<td>NURS 665</td>
<td>Advanced Physical Assessment Laboratory</td>
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<td>NURS 666</td>
<td>Advanced Maternal Child Nursing Practice II</td>
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<td>NURS 667</td>
<td>Professional, Ethical and Legal Concepts of Nursing</td>
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<td>NURS 668</td>
<td>Disease Processes for Advanced Practice</td>
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<td>NURS 669</td>
<td>Nurse Educator/Faculty Internship II Clinical Instruction</td>
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<tr>
<td>NURS 670</td>
<td>Assessment and Evaluation in Nursing Education</td>
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<td>NURS 671</td>
<td>Professional, Ethical and Legal Concepts of Nursing</td>
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<td>NURS 674</td>
<td>Assessment and Evaluation in Nursing Education</td>
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<tr>
<td>NURS 675</td>
<td>Advanced Maternal Child Nursing Practice III</td>
<td>2</td>
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<tr>
<td>NURS 676</td>
<td>Professional, Ethical and Legal Concepts of Nursing</td>
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</table>

This course focuses on the significance of the disease for advanced nursing practice. Prerequisites: NURS 646 and NURS 647.

**NURS 654. Assessment and Evaluation in Nursing Education.** This course examines topics in selected disease processes. The course focuses on the significance of the disease for advanced nursing practice. Prerequisites: NURS 646 and NURS 647.

**NURS 649. Nurse Educator/Faculty Internship II Clinical Instruction.** This practicum course is designed to provide the student with field experience in clinical instruction. A nursing master teacher in an entry-level nursing education program mentors the student. Students consult with the role coordinator to select a site for the completion of this experience. Prerequisites: NURS 634 and NURS 636.

**NURS 658. Advanced Nursing Practice in Women's Health I.** This course focuses on the development of advanced practice skills in the care of women. Prerequisites: NURS 661, NURS 670, NURS 671, NURS 672, and NURS 719.

**NURS 659. Advanced Nursing Practice in Women's Health II.** This course focuses on the development of advanced practice skills related to perinatal practice in the care of women. Prerequisites: NURS 661, NURS 670, NURS 671, NURS 672, NURS 719, and NURS 762.

**NURS 660. Advanced Nursing Practice in Women's Health III.** This course focuses on the integration of advanced practice skills in the care of women including health promotion, illness management, reproductive needs, and lifespan care. Corequisite: NURS 686. Prerequisites: NURS 658, NURS 659, NURS 661, NURS 663, NURS 664, NURS 670, NURS 671, NURS 719, NURS 762, and NURS 787.

**NURS 677. Advanced Maternal Child Nursing Practice II.** This course focuses on the significance of the disease for advanced nursing practice. Prerequisites: NURS 661, NURS 670, NURS 671, NURS 672.

**NURS 678. Advanced Maternal Child Nursing Practice III.** This course focuses on the significance of the disease for advanced nursing practice. Prerequisites: NURS 674. Prerequisites: NURS 674.

**NURS 679. Professional, Ethical and Legal Concepts of Nursing Education.** This course focuses on the significance of the disease for advanced nursing practice. Prerequisites: NURS 661, NURS 670, NURS 671, NURS 672.
NURS 686. Synthesis of Advanced Practice Concepts in Adolescent Focus. 3 Credits.
This capstone course focuses on the synthesis of advanced practice concepts in the care of adolescent females. Content includes successful models of care and models of collaborative practice in pediatrics. Prerequisites: NURS 661.

NURS 695. SU Nursing. 6 Credits.
Selected courses taken at Shenandoah University in fulfillment of Midwifery program requirements. Course title offerings as Primary Care of Women or Comprehensive Antepartal Care.

NURS 697. Topics: Independent Study. 1-3 Credits.
Independent Study.

NURS 698. Independent Clinical Study. 1-3 Credits.
This course focuses on clinical and/or research-related competencies of graduate nursing students. Students enroll on an as-needed basis as determined by the instructor or student. Prerequisites: enrollment in the graduate nursing program and permission of the instructor.

NURS 699. Thesis/Research Project. 1-3 Credits.
Thesis/research project completion. Variable credit to be determined by research advisor. May be repeated as needed. Prerequisites: NURS 611, NURS 640.

NURS 703. Adult-Gerontology Clinical Nurse Specialist Practicum III: Role Synthesis. 3 Credits.
This capstone course focuses on synthesis and application of key concepts related to Adult-Gerontology Clinical Nurse Specialist and Educator practice. Prerequisites: NURS 610, NURS 611, NURS 670, NURS 671, NURS 672, NURS 661, NURS 638, NURS 639, NURS 656, and NURS 657.

NURS 705. Primary Care Approaches for Children. 3 Credits.
This course for the family nurse practitioner focuses upon primary health care problems in the pediatric population. Emphasis is placed upon assessment and management of healthy and ill children. Prerequisites: NURS 661, NURS 670, NURS 671, NURS 672.

NURS 707. Informatics and Healthcare Technology. 3 Credits.
This course will cover the use of data in health care as well as other informatics applications. Students will explore healthcare technology used to improve the delivery and evaluation of care.

NURS 709. Evidence-Based Research and Theories for Nursing Practice. 3 Credits.
This course focuses on the development of advanced nursing knowledge related to the utilization of evidence-based research for best practice. The focus is on understanding nursing and non-nursing models, concepts, and theories as the supporting framework for professional nursing practice and research. Emphasis is placed on the evaluation and application of research and evidence for use in advanced practice.

NURS 710. Leadership in Complex Systems and Organizations. 3 Credits.
This course will focus on the leadership that comprises two types: informal and formal leadership. Competencies will include communication knowledge of health care environment, leadership, professionalism, and business skills. Prerequisites: Instructor approval required.

NURS 712. Evidence based Management for Quality Healthcare. 3 Credits.
This course focuses on the development of systems focus processes to ensure quality health care. The evidence based model is applied to organizational systems. Prerequisite: Instructor approval required.

NURS 714. Competitive Resource Design and Utilization. 3 Credits.
This course focuses on the competitive design and utilization of organizational and human resources. Emphasis is placed on the strategic process to ensure that resources are applied in ways to ensure high quality care and excellent patient outcomes. The course will cover the business models for effective financial and personnel management of healthcare organizations. Analysis of the costs and quality of care will be performed. (Cross-listed with NURS 814.).

NURS 715. Ethical Concepts of Advanced Practice Nursing. 2 Credits.
This course is designed to provide students with core ethical knowledge necessary to describe and analyze ethical concepts foundational to the advanced practice nursing role. Students will develop and evaluate strategies, including ethical decision making frameworks, to address ethical dilemmas inherent in patient care, health organizations and research.

NURS 716. Organizational Leadership Practicum. 3 Credits.
This practicum provides opportunities for advanced nursing practice in a variety of settings and with diverse clients. In addition, students examine issues related to the advanced practice role in a chosen focus area. The course is designed to provide students with experience in application of theories and assessment tools explored in Organizational Leadership. Pre- or corequisite: NURS 735 or permission of instructor.

NURS 717. Strategic Leadership Practicum. 3 Credits.
This practicum course emphasizes the advanced practice nurse's role in strategic planning and program development. Students enrolled in this advanced practice course will participate in clinical practice experiences in a chosen focus area. This course is designed to provide students with experiences in applying the knowledge acquired in Strategic Leadership. Pre- or corequisite: NURS 740 or permission of instructor.

NURS 718. Practicum Immersion for Novice Nurse Executives. 3 Credits.
This practicum course serves as a bridge between the roles of nurse administrators and nurse executives. Targeted practicum experiences will enable the nurse administrator to examine the role of the nurse executive related to implementation of change, meeting strategic initiatives, program evaluation, and outcome management in a chosen focus area. Application of futuristic and visionary theory to health care system trends is explored to provide optimal strategic positioning in the future healthcare market. Prerequisites: NURS 716, NURS 717 or permission of the instructor.

NURS 719. Family and Community Primary Care Assessment. 1 Credit.
Focus is on assessing psycho-social problems in primary care setting. Student will develop skills in assessing the most common psychiatric disorders, substance abuse and disruptive behavior disorders. Assessment of the patient in the context of the family will be stressed. Prerequisites: admission to the FNP, WHNP or Postmaster's FNP and WHNP program.

NURS 720. Instructional Delivery Methods & Learner Assessment. 3 Credits.
This course describes models and methods for clinical instruction that facilitate learning, and explores clinical evaluation methods and instruments. Emphasis is on identifying ways to blend traditional teaching strategies with technology-based instruction in classroom and clinical settings. Pre- or corequisite: NURS 734 or permission of instructor.

NURS 721. Aging in the 21st Century. 3 Credits.
This course explains the history of the specialty of geriatrics, the social impact, health maintenance goals and physical changes associated with aging. The role of interprofessional teams in meeting the needs of the aging population will be explored.

NURS 724. Management of Chronic Problems and Illnesses. 3 Credits.
The focus on this course is on the management of chronic and acute illness in children.

NURS 730. Nursing Curricular Design and Program Evaluation. 3 Credits.
This course focuses on factors impacting the development of nursing curricula including theory, professional practice trends, education standards, accreditation guidelines and institutional policy/procedure. Components of curricula are evaluated, and strategies for program evaluation are explored.

NURS 732. Health Care Populations, Diversity and Outcomes. 3 Credits.
This course examines current topics and issues related to health disparities in underserved populations. Students will examine intervention and policy research using an interdisciplinary perspective as well as the structural, financial and personal barriers to optimal health outcomes.
NURS 734. Nurse Educator/Faculty Internships I Classroom Instruction. 2 Credits.
This internship course is designed to provide the student with experience facilitating classroom instruction in an entry level nursing program.

NURS 735. Organizational and Management Theory. 3 Credits.
This course provides a theoretical foundation focusing on leadership theory and assessment strategies for use in the health care systems. Theories on leadership, organizations, policy, administration, and change will be applied to current health care system issues. Assessment tools for applications of theories will be utilized. Principles of organizational behavior and human resource management will be explored in the context of health care system needs.

NURS 738. Adult-Gerontology Clinical Nurse Specialist I: Introduction to Practice. 2 Credits.
This course provides the graduate student with knowledge of core concepts that provide the foundation for Adult/Gerontology Clinical Nurse Specialist practice.

NURS 739. Adult-Gerontology Clinical Nurse Specialist II: Role Socialization. 3 Credits.
This course is designed to acquaint the student with the role of the Adult-Gerontology Clinical Nurse Specialist in the practice environment.

NURS 740. Strategic Leadership. 3 Credits.
Principles of organizational strategy and program development are the major components for this course. Relevant theories associated with organizational development, setting program strategic initiatives, strategic planning, and organizational level analysis and evaluation will be explored. Prerequisites: admission to program, NURS 735, or approval of instructor.

NURS 745. Visionary Leadership. 3 Credits.
The final course in the leadership series provides the opportunity to examine outcomes at the program and health care system level and project future health care system needs. The focus is on activities necessary for effective evaluation of health care programs and meeting strategic initiatives by successfully implementing change. Capability for envisioning profound changes within the health care system will be developed. Transformation/Futurist theory will be applied to envision market change for health care systems to be strategically positioned for future trends. Prerequisites: NURS 735, NURS 740, admission to program or approval of instructor.

NURS 756. Adult-Gerontology Clinical Nurse Specialists III: Transitions to Practice. 2 Credits.
This course provides the graduate student with knowledge necessary for developing Adult-Gerontology Clinical Nurse Specialist practice and leadership skills. Pre- or corequisite: NURS 757.

NURS 757. Adult-Gerontology Clinical Nurse Specialist Practicum II: Role Transition. 3 Credits.
This clinical course focuses on Adult-Gerontology Clinical Nurse Specialist practice. Concepts presented in the didactic component (NURS 756) will be actualized in the clinical setting. Pre- or corequisite: NURS 756.

NURS 760. Advanced Family Nursing I Practicum. 2 Credits.
This course will explore current clinical concepts related to the care of healthy and pregnant women. Roles and responsibilities of the family nurse practitioner in these subspecialties will also be discussed.

NURS 761. Pharmacology for Advanced Practice Nursing. 3 Credits.
This course will develop and enhance the advanced practice nurse's knowledge of pharmacological management of the patient. Expanded knowledge and application of advanced pharmacologic concepts across the lifespan will build upon previous elemental concepts in pharmacology and pharmacotherapeutics obtained in undergraduate education and clinical practice.

NURS 762. Advanced Family Nursing I: Management of Acute Illnesses. 3 Credits.
Focus is on acute health problems in the primary care setting, including assessment and management. Inclusion of geriatric content relating to acute illnesses will be added. Prerequisites: NURS 661, NURS 670, NURS 671, NURS 672, and NURS 719.

NURS 763. Health Promotion and Maintenance. 2 Credits.
This course provides the nurse practitioner student the opportunity to work with students from other professions as they develop health promotion strategies that consider the expertise of each discipline. Students will incorporate technology in promoting health.

NURS 764. Advanced Family Nursing II Practicum. 4 Credits.
The purpose of this clinical course is to prepare the family nurse practitioner student to deliver primary care services to families in which a patient has either acute, women's health or pediatric care disorders. Corequisite: NURS 705. Prerequisites: NURS 661, NURS 663, NURS 664, NURS 665, NURS 670, NURS 671, NURS 672, NURS 719, and NURS 762.

NURS 765. Advanced Family Nursing II: Management of Chronic Illnesses. 3 Credits.
The focus of this course is on the accurate diagnosis and management of chronic health problems within the primary care setting for the family nurse practitioner (FNP). Prerequisites: NURS 661, NURS 663, NURS 664, NURS 665, NURS 661, NURS 670, NURS 671, NURS 672, NURS 705, NURS 719, NURS 762, and NURS 764. Pre- or corequisite: NURS 765 and NURS 768.

NURS 766. Primary Care for Women. 3 Credits.
This course will explore current clinical concepts related to the care of healthy and pregnant women. Roles and responsibilities of the family nurse practitioner in these sub-specialties will also be discussed.

NURS 767. Advanced Family Nursing III Practicum. 3-5 Credits.
This clinical emphasizes integration of primary care skills and clinical course decision-making in populations with acute chronic, complex, pediatric or women’s health disorders for family nurse practitioner students. Prerequisites: NURS 761, NURS 760, NURS 770, NURS 771, NURS 762, and NURS 764.

NURS 768. Nursing Seminar in Complex Health Problems. 1 Credit.
The focus of this seminar course is to explore clinical topics with an emphasis on the integration of primary care skills in advanced nursing practice. Prerequisites: NURS 613, NURS 705, and NURS 764.

NURS 770. Pathophysiology for Advanced Nursing Practice. 3 Credits.
This course explains the pathophysiology of disease as a basis for advanced practice and assessment for prevention and management of health conditions.

NURS 771. Physical Assessment for Advanced Nursing Practice. 3 Credits.
Emphasis is on advanced history taking, physical assessment and interviewing skills for advanced practice nursing. Advanced practice students will be provided with hands-on opportunities to practice physical assessment skills across the lifespan.

NURS 780. Financial Issues in Nursing Administration. 3 Credits.
This course focuses on planning, designing, and monitoring of a nursing budget with special emphasis on personnel, supply, and capital equipment budgeting. Specific financial problems of a nursing service department are addressed. Prerequisites: NURS 616 and NURS 735.

NURS 781. Advanced Pediatric Nursing: Practicum I Primary Care. 2 Credits.
Assessment and management of acute health problems among children in the primary care setting is the focus of this practicum experience. Corequisite: NURS 705.

NURS 782. Growing up in the 21st Century from a Nursing Perspective. 3 Credits.
Physical, cognitive, psychosocial, psychosexual, and social-moral growth and development milestones from infancy through adolescence will be explored from a nursing perspective. Emphasis is on the assessment and management of the child within the context of environmental, cultural, and social factors affecting growth and development.
NURS 783. Management of Acute/Critical Pediatric Conditions I. 3 Credits.
An organ systems approach is used to explore the diagnosis and management of childhood disorders. The actions of the PNP and the needs of the child are considered across the continuum of care from urgent/primary care to acute/critical care. Corequisite: NURS 784.

NURS 784. Advanced Pediatric Nursing: Practicum II. 4 Credits.
The focus of this course is on the accurate diagnosis and management of pediatric clinical problems. Clinical placement is either in an urgent/primary or acute/critical care setting depending on the student's role focus. Corequisite: NURS 783.

NURS 785. Seminar in Pediatrics: Management of Chronic and Complex Clinical Problems. 3 Credits.
This course explores issues associated with the management of chronic and complex clinical problems for children. Emphasis is on the identification of clinical conditions requiring timely referral for diagnosis and treatment. Topics will include, but are not limited to genetics, palliative/end-of-life care, and psychiatric/mental issues. Pre- or corequisite: NURS 783 and NURS 784.

NURS 786. Management of Acute/Critical Pediatric Conditions II. 3 Credits.
An organ systems approach is used to explore the diagnosis and management of childhood disorders. The actions of the PNP and the needs of the child are considered across the continuum of care from urgent/primary care to acute/critical care. Corequisite: NURS 784.

NURS 787. Advanced Perinatal Nursing. 3 Credits.
This course focuses on the advanced nursing management of perinatal health for high-risk women. Prerequisites: NURS 658, NURS 661, NURS 663, NURS 664, NURS 670, NURS 671, NURS 672, NURS 719, and NURS 762.

NURS 788. Advanced Pediatric Nursing: Practicum III. 3 Credits.
The focus of this course is on the accurate diagnosis and management of pediatric clinical problems. Clinical placement is either in an urgent/primary or acute/critical care setting depending on the student's role focus. Corequisite: NURS 786. Pre- or corequisite: NURS 865 or NURS 816.

NURS 795. Topics. 3 Credits.
Designed to provide the advanced student with an opportunity to investigate specific topics of current interest in the health sciences. Prerequisites: Ph.D. standing or permission of the instructor.

NURS 800. DNP I: Introduction to Healthcare Disparities, Vulnerable Populations, and Epidemiology. 2 Credits.
This course focuses on four DNP integrative concepts including leadership, advocacy, practice, and translational research. Issues related to planning and providing care related to disparity and issues for vulnerable and underserved populations will be highlighted. The role of epidemiology will be explored.

NURS 801. DNP II: Roles and Responsibilities for Transforming Practice. 3 Credits.
This course focuses on role expectations for doctorally prepared advanced practice nurses; the intersection of models of leadership, advocacy, practice and translational research will be emphasized. Personal strategic planning of the students will be addressed as it applies to disparity issues and vulnerable and underserved populations.

NURS 802. The Business of Advanced Nursing Practice. 3 Credits.
This course will explore the business dimensions of practice including legal, safety, quality and financial. The course will focus on SWOT analysis, developing business plans and community assessments.

NURS 803. Leadership and Interprofessional Practice in Healthcare. 3 Credits.
This is an interprofessional course that explores organizational and structural opportunities and barriers within healthcare organizations through interprofessional collaboration and teamwork. Ethical issues will be explored. The focus is on the role of the healthcare provider as a leader of their profession within healthcare and on healthcare teams. Emphasis is on meeting the needs of underserved populations.

NURS 805. Application of Practice-Based Research Methods. 2 Credits.
This course focuses on the research process used to conduct practice-based research. It prepares advanced practice nurses to develop, implement, and evaluate programs that focus on improving healthcare outcomes.

NURS 806. Proposal Development and Database Management. 4 Credits.
This research course is designed to provide the Advanced Practice Nurse and Nurse Executive student with knowledge and skills regarding the design and methodology used to conduct a practice-focused research study. Focus will be on human subjects protection, statistical analysis and database management. Prerequisites: NURS 805.

NURS 807. Informatics and Healthcare Technology. 3 Credits.
This course will cover the use of data in health care as well as other informatics applications. Students will explore healthcare technology used to improve the delivery and evaluation of care.

NURS 809. Advocacy for Healthcare Public Policy for Advanced Practice. 3 Credits.
This course will prepare the DNP to assume a leadership role in developing, implementing, and advocating for health care policy that results in quality, accessible, comprehensive health care for vulnerable populations.

NURS 810. Leadership in Complex Systems and Organizations. 3 Credits.
This course will focus on the leadership that comprises two types: informal and formal leadership. Competencies will include communication, knowledge of health care environment, leadership, professionalism, and business skills.

NURS 812. Evidence-Based Management for Quality Healthcare. 3 Credits.
This course focuses on the development of system focused processes to ensure quality healthcare. The evidence-based model is applied to organizational systems. Emphasis is placed on creative and innovative solutions to quality care issues.

NURS 814. Competitive Resource Design and Utilization. 3 Credits.
This course focuses on the competitive design and utilization of organizational and human resources. Emphasis is placed on the strategic process to ensure that resources are applied in ways to ensure high quality care and excellent patient outcomes. The course will cover the business models for effective financial and personnel management of healthcare organizations. Analysis of the costs of care and quality of care will be performed.

NURS 816. DNP Executive Practicum I. 2-3 Credits.
This practicum focuses on the application of nurse executive leadership skills in the practice environment. Focus will be on the role of the nurse executive and evidence-based research. Corequisite: NURS 805.

NURS 817. DNP Executive Practicum II. 2-5 Credits.
This experience focuses on the application of executive leadership skills in nursing. Focus will be on the role of the nurse executive and evidence-based research. Corequisite: NURS 806.

NURS 818. DNP Executive Practicum III. 3-5 Credits.
This practicum focuses on the application of executive leadership skills in the practice environment. Focus will be on the role of the nurse executive, evidence-based research and the use of healthcare technology. Corequisite: NURS 807.

NURS 819. DNP Executive Practicum IV. 3-5 Credits.
This practicum focuses on the application of executive leadership skills in the practice environment. Focus will be on the role of the nurse executive, evidence-based research, and practice dissemination. Corequisite: NURS 890.

NURS 865. DNP Clinical Practicum I. 2 Credits.
This course is designed to provide the Advanced Practice Nurse with the knowledge and skills to practice at an advanced level in a practice-based setting. Focus will be on enhanced clinical skills and evidence-based research. Corequisite: NURS 805.
NURS 866. DNP Clinical Practicum II. 2 Credits.
This course is designed to provide the Advanced Practice Nurse with the knowledge and skills to practice at an advanced level in a practice-based setting. Focus will be on evidence-based practice, teamwork, evidence-based research, and advanced clinical diagnostics. Corequisite: NURS 806.

NURS 867. DNP Clinical Practicum III. 3 Credits.
This course is designed to provide the Advanced Practice Nurse with the knowledge and skills to practice as an expert clinician, a program evaluator, and a team leader within a practice-based setting focusing on evidence-based practice. Healthcare technology will be explored.

NURS 868. DNP Clinical Practicum IV. 3 Credits.
This course is designed to provide the Advanced Practice Nurse with the knowledge and skills to practice as an expert clinician, a program evaluator, a team leader, and a change agent with emphasis on translational and evidence-based research. Corequisite: NURS 889.

NURS 890. DNP Nursing Capstone. 3 Credits.
This research course is designed to facilitate the ability of the Advanced Practice Nurse to synthesize, translate into practice, and disseminate practice-focused research findings and apply findings to practice settings. Corequisite: NURS 868.

NURS 895. Topics. 1-3 Credits.
Designed to provide the advanced doctoral student with an opportunity to investigate specific topics of current interest in the health services. Prerequisites: DNP standing or permission of the instructor.

NURS 897. Independent Study. 1-3 Credits.
This course focuses on research-related competencies of graduate nursing students. Students enroll on an as-needed basis as determined by the instructor. Prerequisites: Enrollment in the graduate nursing DNP program and permission of instructor.

NURS 898. Independent Clinical Study. 1-3 Credits.
This course focuses on clinical and/or research-related competencies of DNP graduate nursing students. Students enroll on an as-needed basis as determined by the instructor. Prerequisites: Enrollment in the graduate nursing program and permission of instructor.

NURS 998. Master's Graduate Credit. 1 Credit.
This course is a pass/fail course for master's students in their final semester. It may be taken to fulfill the registration requirement necessary for graduation. All master's students are required to be registered for at least one graduate credit hour in the semester of their graduation.

NURS 999. Doctoral Graduate Credit. 1 Credit.
This course is a pass/fail course doctoral students may take to maintain active status after successfully passing the candidacy examination. All doctoral students are required to be registered for at least one graduate credit hour every semester until their graduation.