Graduate Study

Advanced Nursing Education

MSN
The College of Nursing offers master’s degree nursing studies in two advanced practice roles: Nurse Educator and Nurse Practitioner. Current Nurse Practitioner emphasis areas include Adult-Geriatric Nurse Practitioner, Family Nurse Practitioner, Psych-Mental Health Nurse Practitioner, Pediatric Nurse Practitioner, and Women’s Health Nurse Practitioner.

Post-MSN Graduate Certificates
Students with master’s degrees in nursing who wish to pursue Nurse Practitioner specialization may complete one of the post-MSN graduate certificates. Post-MSN emphasis areas available for study are: Nurse Educator, Adult-Geriatric Nurse Practitioner, Family Nurse Practitioner, Psych-Mental Health Nurse Practitioner, and Women’s Health Nurse Practitioner.

DNP
The DNP program prepares graduates for the highest level of clinical practice, including clinical and translational analysis for improved practice outcomes.

PhD
The PhD program prepares nurses to pursue theoretical inquiry and conduct original research.

Master of Science in Nursing
The College of Nursing offers master’s degree nursing studies in two advanced practice roles: nurse educator, and nurse practitioner. Students with master’s degrees in nursing who wish to pursue one of the nurse practitioner specializations or nurse educator focus may complete one of the Post-MSN graduate certificates. All MSN students complete the MSN core curriculum and functional role required courses. The MSN program is accredited by the Commission on Collegiate Nursing Education.

This graduate program offers students two tracks of study: 1) nurse educators complete a minimum of 41 credit hours with emphasis in the role of the nurse educator; and nurse practitioner’s advanced practice nurses (APN) complete a minimum of 43 credit hours with emphasis in a population focus. Graduates with advanced practice practice nurse practitioner functional roles will be eligible to complete national board certification examinations in their emphasis area functional roles. Current nurse practitioner emphasis areas include Adult Nurse Practitioner, Family Health Nurse Practitioner, Psych-Mental Health Nurse Practitioner, Pediatric Nurse Practitioner, and Women’s Health Nurse Practitioner. Graduates completing the nurse practitioner options are eligible for certification examinations in their emphasis area functional roles. The MSN program is accredited by the Commission on Collegiate Nursing Education.

Availability of clinical resources may limit the number of applicants accepted to the practitioner options. Students are required to suggest their own preceptors for the Nurse Practitioner Clinical Courses NURSE 6954 (http://bulletin.umsl.edu/collegeofnursing) and NURSE 6955 (http://bulletin.umsl.edu/collegeofnursing). Deadline for fall admission is February 15th.

Degree Requirements

Core Content
Completion of the MSN Nurse Practitioner and Nurse Educator programs require the completion of the following core content for all emphasis areas:

NURSE 6106 Policy, Organization And Financing In Health Care 3
NURSE 6111 Healthcare Systems Concepts and Theory 3
NURSE 6120 Population-Based Foundations of Health 3
NURSE 6130 Research, Interventions and Evidence-Based Practice 3
NURSE 6518 Pathophysiology For Advanced Nursing Practice 3
NURSE 6520 Pharmacology For Advanced Nursing Practice 3
NURSE 6524 Health Assessment For Advanced Nursing Practice 3
NURSE 6530 Clinical Diagnostics for Advanced Nursing Practice 2
NURSE 7443 Healthcare Policy 3

Advanced Nursing Practice Nurse Educator Emphasis area

NURSE 6309 Role Of The Nurse Educator (p. 1) 3
NURSE 6320 Learning And Curriculum Development In Nursing (p. 1) 3
NURSE 6321 Instructional Strategies In Nursing (p. 1) 3

- Demonstrate integration of advanced knowledge and skills within the context of an advanced professional.
- Provide leadership with interprofessional colleagues engaging strategic partners to improve health care outcomes and patient safety.
- Integrate informatics in the design, implementation and evaluation of population-specific interventions.
- Evaluate research findings to implement and disseminate evidence based professional nursing practice.
- Provide ethically grounded, culturally competent health promotion with diverse populations.

MSN and Post-MSN Program Requirements

- BSN or MSN from a nationally accredited nursing program
- Minimum cumulative grade point average of 3.0 (4.0 scale)
- Current professional licensure with eligibility for Missouri license
- Successful completion of an undergraduate general statistics course
- Successful completion of an undergraduate health assessment course or equivalent
- Two letters of reference regarding the applicant’s academic potential (NP option)
- Narrative outlining goals (NP functional role or nurse educator)
- Two years of clinical experience with chosen population are preferred prior to starting clinicals. (NP functional role)
- Computer literacy and access
- Must reside in the United States

- Must reside in the United States

- Must reside in the United States
### Advance Practice Nurse Leader Emphasis area

1 The College of Nursing will not be accepting applications to the Nurse Leader program during the 2015-2016 academic year.

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>NURSE 6409</td>
<td>Role Of The Nurse Leader</td>
<td>3</td>
</tr>
<tr>
<td>NURSE 6425</td>
<td>Managed Care Services</td>
<td>3</td>
</tr>
<tr>
<td>NURSE 6426</td>
<td>Health Resources Management</td>
<td>3</td>
</tr>
<tr>
<td>NURSE 6428</td>
<td>Theory And Practice In Nursing Leadership</td>
<td>3</td>
</tr>
<tr>
<td>NURSE 6952</td>
<td>Synthesis Practicum</td>
<td>3</td>
</tr>
<tr>
<td>MGMT 5600</td>
<td>Managing People in Organizations</td>
<td>3</td>
</tr>
</tbody>
</table>

**Total Hours**: 29

### Advance Practice Nurse Practitioner Emphasis area

(Emphasis areas for adult-geriatric nurse practitioner, family nurse practitioner, pediatric nurse practitioner, and women’s health nurse practitioner)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>NURSE 6509</td>
<td>Role Of The Clinical Nurse Specialist/Nurse Practitioner</td>
<td>2</td>
</tr>
<tr>
<td>NURSE 6518</td>
<td>Pathophysiology For Advanced Nursing Practice ¹</td>
<td>3</td>
</tr>
<tr>
<td>NURSE 6520</td>
<td>Pharmacology For Advanced Nursing Practice ²</td>
<td>3</td>
</tr>
<tr>
<td>NURSE 6524</td>
<td>Health Assessment For Advanced Nursing Practice ³</td>
<td>3</td>
</tr>
<tr>
<td>NURSE 6530</td>
<td>Clinical diagnostics for Advanced Nursing Practice</td>
<td>2</td>
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</table>

Select one of the following:

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<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>NURSE 6739</td>
<td>Diagnosis and Management of the Adult-Geriatric Patient I</td>
<td>1</td>
</tr>
<tr>
<td>&amp; NURSE 6740</td>
<td>and Diagnosis &amp; Mgmt of the Adult-Geriatric Patient II</td>
<td>2</td>
</tr>
<tr>
<td>NURSE 6741</td>
<td>Family Health I</td>
<td>1</td>
</tr>
<tr>
<td>&amp; NURSE 6742</td>
<td>and Family Health II: Diagnosis &amp; Management In Adv Nursing Practice</td>
<td>2</td>
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</tbody>
</table>

**Total Hours**: 31

### Psychiatric-Mental Health Emphasis Area

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>NURSE 6509</td>
<td>Role Of The Clinical Nurse Specialist/Nurse Practitioner</td>
<td>2</td>
</tr>
<tr>
<td>NURSE 6518</td>
<td>Pathophysiology For Advanced Nursing Practice</td>
<td>3</td>
</tr>
<tr>
<td>NURSE 6520</td>
<td>Pharmacology For Advanced Nursing Practice</td>
<td>3</td>
</tr>
<tr>
<td>NURSE 6524</td>
<td>Health Assessment For Advanced Nursing Practice</td>
<td>3</td>
</tr>
<tr>
<td>NURSE 6530</td>
<td>Clinical diagnostics for Advanced Nursing Practice</td>
<td>2</td>
</tr>
<tr>
<td>NURSE 6737</td>
<td>Psychiatric-Mental Health I: Diagnosis and Management in Advanced Nursing Practice</td>
<td>5</td>
</tr>
<tr>
<td>NURSE 6738</td>
<td>Psychiatric-Mental Health II: Diagnosis &amp; Management in Advanced Practice Nursing</td>
<td>5</td>
</tr>
<tr>
<td>NURSE 6954</td>
<td>Advanced Practice Nursing: Residency I</td>
<td>4</td>
</tr>
<tr>
<td>NURSE 6955</td>
<td>Advanced Practice Nursing: Residency II</td>
<td>4</td>
</tr>
</tbody>
</table>

**Total Hours**: 31

### Post-MSN Graduate Certificates

Post-MSN Graduate Certificate requirements are tailored to the individual student, depending on past academic work, experience, the student’s goals, and specialty requirements. Upon completion of the post-MSN requirements, a graduate certificate is awarded by the College of Nursing and Graduate School. Graduates are eligible to apply to take board
Post-MSN Adult-Geriatric Nurse Practitioner Certificate

NURSE 6509  Role Of The Clinical Nurse Specialist/Nurse Practitioner  2
NURSE 6518  Pathophysiology For Advanced Nursing Practice  3
NURSE 6524  Health Assessment For Advanced Nursing Practice  3
NURSE 6520  Pharmacology For Advanced Nursing Practice  3
NURSE 6530  Clinical Diagnostics for Advanced Nursing Practice  3
NURSE 6739  Adult-Geriatric Health I: Diagnosis and Management in Advanced Nursing Practice  5
NURSE 6740  Adult-Geriatric Health II: Diagnosis and Management in Advanced Nursing Practice  5
NURSE 6954  Advanced Practice Nursing: Residency I  4
NURSE 6955  Advanced Practice Nursing: Residency II  4

For more information about our graduation rates, the median debt of students who completed this graduate certificate program, and other important information, please visit our Gainful Employment Disclosure website: http://umsl.edu/go/Bqc.

Post-MSN Family Nurse Practitioner Certificate

NURSE 6509  Role Of The Clinical Nurse Specialist/Nurse Practitioner  2
NURSE 6518  Pathophysiology For Advanced Nursing Practice  3
NURSE 6524  Health Assessment For Advanced Nursing Practice  3
NURSE 6520  Pharmacology For Advanced Nursing Practice  3
NURSE 6530  Clinical Diagnostics for Advanced Nursing Practice  3
NURSE 6741  Family Health I: Diagnosis and Management of Advanced Nursing Practice  5
NURSE 6742  Family Health II: Diagnosis and Management in Advanced Nursing Practice  5
NURSE 6954  Advanced Practice Nursing: Residency I  4
NURSE 6955  Advanced Practice Nursing: Residency II  4

For more information about our graduation rates, the median debt of students who completed this graduate certificate program, and other important information, please visit our Gainful Employment Disclosure website: http://umsl.edu/go/Bqc.

Post-MSN Pediciatric Nurse Practitioner Certificate

NURSE 6509  Role Of The Clinical Nurse Specialist/Nurse Practitioner  2
NURSE 6518  Pathophysiology For Advanced Nursing Practice  3
NURSE 6520  Pharmacology For Advanced Nursing Practice  3
NURSE 6524  Health Assessment For Advanced Nursing Practice  3
NURSE 6530  Clinical Diagnostics for Advanced Nursing Practice  3
NURSE 6743  Child Health I: Diagnosis and Management in Advanced Nursing Practice  5
NURSE 6744  Child Health II: Diagnosis and Management in Advanced Practice Nurse  5
NURSE 6954  Advanced Practice Nursing: Residency I  4
NURSE 6955  Advanced Practice Nursing: Residency II  4

For more information about our graduation rates, the median debt of students who completed this graduate certificate program, and other important information, please visit our Gainful Employment Disclosure website: http://umsl.edu/go/Bq.

Post-MSN Psychiatric-Mental Health Nurse Practitioner Certificate

NURSE 6509  Role Of The Clinical Nurse Specialist/Nurse Practitioner  2
NURSE 6518  Pathophysiology For Advanced Nursing Practice  3
NURSE 6520  Pharmacology For Advanced Nursing Practice  3
NURSE 6524  Health Assessment For Advanced Nursing Practice  3
NURSE 6530  Clinical Diagnostics for Advanced Nursing Practice  3
NURSE 6737  Psychiatric-Mental Health I: Diagnosis and Management in Advanced Nursing Practice  5
NURSE 6738  Psychiatric-Mental Health II: Diagnosis & Management in Advanced Nursing Practice  5
NURSE 6954  Advanced Practice Nursing: Residency I  4
NURSE 6955  Advanced Practice Nursing: Residency II  4

For more information about our graduation rates, the median debt of students who completed this graduate certificate program, and other important information, please visit our Gainful Employment Disclosure website: http://umsl.edu/go/Bq.

Post-MSN Women’s Health Nurse Practitioner Certificate

NURSE 6509  Role Of The Clinical Nurse Specialist/Nurse Practitioner  2
NURSE 6518  Pathophysiology For Advanced Nursing Practice  3
NURSE 6524  Health Assessment For Advanced Nursing Practice  3
NURSE 6520  Pharmacology For Advanced Nursing Practice  3
NURSE 6530  Clinical Diagnostics for Advanced Nursing Practice  3
NURSE 6746  Women’s Health I: Diagnosis & Management in Advanced Practice Nursing  5
NURSE 6747  Women’s Health II: Diagnosis & Mgmt In Advanced Nursing Practice  5
NURSE 6954  Advanced Practice Nursing: Residency I  4
NURSE 6955  Advanced Practice Nursing: Residency II  4

For more information about our graduation rates, the median debt of students who completed this graduate certificate program, and other important information, please visit our Gainful Employment Disclosure website: http://umsl.edu/go/Bq.

certification exams in the advanced practice role and population for which they have been prepared. Post-MSN emphasis areas available for study are:

- Nurse Educator, Adult-Geriatric Nurse Practitioner, Family Nurse Practitioner, Pediatric Nurse Practitioner, Psych-Mental Health Nurse Practitioner, and Women’s Health Nurse Practitioner.
- Students may be awarded credit for previous MSN core courses based upon successful completion of equivalent courses in their prior master’s program, if these courses were completed less than 6 years ago.
- A minimum of 18 graduate credit hours are required for the post-MSN Graduate Certificate as stipulated in the Graduate School policies.
Post-MSN Advanced Nursing Practice with Educator Functional Role

NURSE 6309  Role Of The Nurse Educator  
NURSE 6320  Learning And Curriculum Development In Nursing  
NURSE 6321  Instructional Strategies In Nursing  
NURSE 6322  Evaluation Strategies in Nursing  
NURSE 6518  Pathophysiology For Advanced Nursing Practice  
NURSE 6520  Pharmacology For Advanced Nursing Practice  
NURSE 6524  Health Assessment For Advanced Nursing Practice  
NURSE 6951  Advanced Intensive Clinical for the Nurse Educator  
NURSE 6952  Synthesis Practicum  
ADULT ED 6410  The Adult Learner

For more information about our graduation rates, the median debt of students who completed this graduate certificate program, and other important information, please visit our Gainful Employment Disclosure website: http://umsl.edu/go/BqE.

Doctor of Nursing Practice (DNP)

The DNP program is an online program that focuses on the preparation of leaders in clinical nursing who can improve quality of care for individuals and populations through advanced practice and through improving systems of care. The curriculum is based on national standards for DNP education. The DNP is offered cooperatively with the University of Missouri-Kansas City and the University of Missouri-Columbia and is based on the needs of each campus and their communities of interest. The DNP program is accredited by the Commission on Collegiate Nursing Education, One Dupont Circle, NW, Suite 530, Washington, DC 20036, (202) 887-6791.

The DNP program is designed for graduates to attain the following program outcomes:

• Integrate nursing science, informatics, research and ethical and legal principles to provide excellence in advanced clinical nursing practice.
• Translate research science to improve healthcare delivery and health outcomes.
• Provide multidisciplinary leadership through analysis of critical indicators and/or health care delivery systems to optimize patient care and safety.
• Influence health policy-making to improve health outcomes, shape healthcare delivery, and remove barriers to healthcare.
• Develop and evaluate strategies to establish best practices in a specific setting.

Courses are designed to support nursing science, clinical research, leadership and a specialty area. Concepts woven throughout the courses include methodologies for translating research into practice, using culturally competent leadership techniques with diverse and underserved populations, advanced nursing science and clinical scholarship, clinical prevention, advanced nursing practice and clinical decision making, understanding organizational systems and change, and policy development. The DNP program is available for certification-eligible advanced practice nurses who have completed an accredited MSN degree or post-MSN certification program. This program is administered by the UMSL Graduate School.

Admission Requirements

The deadline for DNP applications for admission is April 1. Admission may be considered at a later date depending on space.

• GPA of 3.0 or higher at the BSN or MSN level
• 2 reference letters
• A proposed DNP project that matches faculty expertise
• Interview by invitation
• Evidence of an RN license in the state of Missouri or compact state.
• If entering with an MSN as an APRN, advanced practice certification or current certification in an advanced practice role
• Current or eligible for advanced practice nursing recognition in Missouri or eligible for recognition as an advanced practice nurse in Missouri

The DNP Curriculum focuses on three tiers:

1. Foundational Concepts
2. Clinical Expertise
3. Integration of Practice

Degree Requirements

Core Content

Completion of the DNP program requires the completion of the following core content for all emphasis areas:

NURSE 6111  Healthcare Systems Concepts and Theory  
NURSE 7211  Biostatistics I  
NURSE 7230  Epidemiology  
NURSE 7209  Role of the DNP  
NURSE 7443  Healthcare Policy  
NURSE 7240  Health Informatics  
NURSE 6130  Research, Interventions and Evidence-Based Practice  
NURSE 6660  Introduction to Health Systems Management, and Policy for Underserved  
NURSE 7200  State of the Science (or nursing elective)  
NURSE 7260  Program Evaluation and Quality Management in Healthcare  
NURSE 7220  Leadership in Practice  
NURSE 7251  Healthcare Economics  
NURSE 7291  DNP Capstone I  
NURSE 7292  DNP Capstone II  
NURSE 7293  DNP Capstone III

Total Hours 36

Prior to completion of the DNP Program, students will complete a clinically focused scholarly project that satisfies the graduate school requirements.

The minimum hours to complete a DNP if entering with an MSN is 36 hours. If entering with a BSN, the DNP requires 71-76 hours based upon emphasis area.
Advance Practice Nursing Emphasis

For all Nurse Practitioner emphasis areas, a student must complete both focus content and specialty courses based on area of specialty as listed below.

Focus content for all Nurse Practitioners:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>NURSE 6518</td>
<td>Pathophysiology For Advanced Nursing Practice</td>
<td>3</td>
</tr>
<tr>
<td>NURSE 6520</td>
<td>Pharmacology For Advanced Nursing Practice</td>
<td>3</td>
</tr>
<tr>
<td>NURSE 6524</td>
<td>Health Assessment For Advanced Nursing Practice</td>
<td>3</td>
</tr>
<tr>
<td>NURSE 6530</td>
<td>Clinical Diagnostics for Advanced Nursing Practice</td>
<td>3</td>
</tr>
<tr>
<td>NURSE 6954</td>
<td>Advanced Practice Nursing: Residency I</td>
<td>3-4</td>
</tr>
<tr>
<td>NURSE 6955</td>
<td>Advanced Practice Nursing: Residency II</td>
<td>3-6</td>
</tr>
</tbody>
</table>

Specialty Courses Based on Emphasis Area

Advanced Practice Nurse – Family Nurse Practitioner specialty courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>NURSE 6741</td>
<td>Family Health I: Diagnosis and Management</td>
<td>4-5</td>
</tr>
<tr>
<td>NURSE 6742</td>
<td>Family Health II: Diagnosis and Management</td>
<td>4-5</td>
</tr>
</tbody>
</table>

Advanced Practice Nurse – Adult-Gerontology Nurse Practitioner specialty courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>NURSE 6739</td>
<td>Adult-Geriatric Health I: Diagnosis and Management</td>
<td>4-5</td>
</tr>
<tr>
<td>NURSE 6740</td>
<td>Adult-Geriatric Health II: Diagnosis and Management</td>
<td>4-5</td>
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Advanced Practice Nurse – Women’s Health Nurse Practitioner specialty courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>NURSE 6746</td>
<td>Women’s Health I: Diagnosis &amp; Mgmt In Advanced</td>
<td>4-5</td>
</tr>
<tr>
<td>NURSE 6747</td>
<td>Women’s Health II: Diagnosis &amp; Mgmt In Advanced</td>
<td>4-5</td>
</tr>
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</table>

Advanced Practice Nurse – Psychiatric Mental Health Practitioner specialty courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>NURSE 6737</td>
<td>Psychiatric-Mental Health I: Diagnosis and</td>
<td>4-5</td>
</tr>
<tr>
<td>NURSE 6738</td>
<td>Psychiatric-Mental Health II: Diagnosis &amp;</td>
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Advanced Practice Nurse – Pediatric Nurse Practitioner

<table>
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<tr>
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<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>NURSE 6743</td>
<td>Child Health I: Diagnosis and Management</td>
<td>4-5</td>
</tr>
<tr>
<td>NURSE 6744</td>
<td>Child Health II: Diagnosis and Management</td>
<td>4-5</td>
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</table>

Leadership in Population Health and Healthcare Systems

(pending CBHE approval)

For the Leadership in Population Health and Healthcare Systems emphasis area, a student must complete the focus content and specialty courses listed below.

Focus Content for all Population Health:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>NURSE 6518</td>
<td>Pathophysiology For Advanced Nursing Practice</td>
<td>3</td>
</tr>
<tr>
<td>or NURSE 6418</td>
<td>Organizational Behavior</td>
<td></td>
</tr>
<tr>
<td>NURSE 6520</td>
<td>Pharmacology For Advanced Nursing Practice</td>
<td>3</td>
</tr>
<tr>
<td>or NURSE 6420</td>
<td>Healthcare Law and Regulation</td>
<td></td>
</tr>
<tr>
<td>NURSE 6524</td>
<td>Health Assessment for Advanced Nursing Practice</td>
<td>3</td>
</tr>
<tr>
<td>or NURSE 6424</td>
<td>Social Determinants of Health</td>
<td></td>
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</tbody>
</table>

Leadership in Population Health Specialty Courses:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>NURSE 6934</td>
<td>Leadership in Population Health</td>
<td></td>
</tr>
<tr>
<td>NURSE 6935</td>
<td>Systems Residency I</td>
<td></td>
</tr>
<tr>
<td>NURSE 7530</td>
<td>Community Health/Infrastructure Assessment</td>
<td></td>
</tr>
<tr>
<td>NURSE 7934</td>
<td>Systems Residency III</td>
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</table>

Doctor of Philosophy in Nursing (Ph.D.)

The Ph.D. in nursing program at the University of Missouri–St. Louis affords students with academic, clinical, and research resources of the University of Missouri system through a cooperative arrangement with the schools of nursing at the University of Missouri. Upon completion of all degree requirements, the Ph.D. degree is awarded by the UMSL Graduate School.

The Ph.D. in nursing curriculum is divided into these general categories: nursing science and theory, nursing research methods and statistics, cognates and dissertation. The Ph.D. program is designed for graduates to attain the following outcomes:

• Develop skills and knowledge to establish a program of research and scholarship.
• Design, conduct and disseminate a dissertation that contributes to nursing knowledge.
• Translate nursing research into practice and policy.
• Assume leadership roles in health care by collaborations and partnerships with institutions in the greater St. Louis region.
• Improve the health care quality of life of individuals/families/communities regionally, nationally and internationally.

Admission Requirements

Students are admitted each semester depending on space. Admission may be considered at a later date depending on space.

Applicants are evaluated based on the following criteria:

• Graduation from a nationally accredited baccalaureate program with 3.2 minimum GPA (4.0 scale). (BSN to PhD track) OR from a nationally accredited master’s program with a 3.5 minimum GPA (4.0 scale) or equivalent for non-nurse applicants. (MSN to PhD track)
• Satisfactory Graduate Record Examination (GRE) scores
• Two letters of reference
• Original essay on professional goals and research interests
• Interview by invitation

International applicants must meet minimum requirements on tests of written and spoken English (TOEFL, Minimum 550 or better is desired). International students must also apply through the International Student Services Office.

Degree Requirements

While each program of study is individualized, BSN to PhD students complete a minimum of 65 hours of graduate-level course work. MSN to PhD students complete 47 credit hours and 18 to a maximum of 30 M.S.N hours, which support the program of study, are individually evaluated to determine eligibility for the application of candidacy. The overall Ph.D. in nursing program design includes nursing science and theory, research methods and statistics, cognates or support courses and dissertation. Nursing Science, Theory, and Discipline of Nursing: 26 or more nursing credits including:

• Nursing science
• Advanced nursing theory development and validation
• Discipline of nursing

Nursing Research Methods: 12 or more nursing credits including:

• Quantitative Methods in nursing
• Qualitative Methods in nursing
• Biostatistics

Cognates: 15 or more credits outside of the discipline of nursing which support the selected dissertation topic.

Dissertation: Minimum is 12 credits.

Courses

NURSE 1010 Orientation To Nursing: 0 semester hours
Prerequisites: Admission to four-year baccalaureate program. This mandatory eight-week introduction to the nursing program provides a comprehensive orientation to the program. Students are introduced to the academic and clinical expectations of the curriculum. Concerns critica for academic success (i.e., time management, effective study skills, stress management and dealing with test anxiety) are addressed.

NURSE 2101 Introduction To Nursing: 2 semester hours
This course introduces the historical and theoretical development of nursing as a discipline. Nursing is examined as a dynamic practice profession. Variables that influence nursing and health care are discussed. Concepts and skills introduced in this course guide the student's educational experience within the nursing major.

NURSE 2103 Nutrition And Health: 3 semester hours
This course examines nutritional needs throughout the life span with emphasis on nutritional principles related to health promotion and protection. Content includes assimilation, digestion and absorption of nutrients and cultural and economic influences on dietary practices.

NURSE 2105 Communication In The Nursing Profession: 3 semester hours
This course focuses on the development of communication abilities utilized in professional nursing. The individual's relationship with self, others and groups is discussed. Students learn verbal and non-verbal communication skills, self-awareness, and sensitivity to others. Interpersonal skills are introduced to enable the student to develop effective human caring relationships with a diverse population of clients and colleagues.

NURSE 3101 Nursing And Health: 6 semester hours
Prerequisites: BIOL 1131; BIOL 1141; CHEM 1052; NURSE 1010, NURSE 3106; NURSE 3110; NURSE 3111. An introduction to the discipline of nursing, the historical and theoretical development of nursing is explored with an emphasis on critical thinking, the teaching/learning process, and foundational practice concepts. Through modular laboratory experiences, the student acquires psychomotor skills to provide safe and effective nursing care to clients promoting health and wellness. Includes classroom, laboratory and clinical experiences.

NURSE 3106 Assessment Of Clients In Health And Illness: 4 semester hours
Prerequisites: BIOL 1131; BIOL 1141; BIOL 1162; CHEM 1052; PSYCH 1268; NURSE 1010. This course integrates theoretical knowledge and interpersonal skills in the assessment of clients. Focusing on differentiating normal from abnormal findings. It emphasizes the use of problem solving, critical thinking and cultural competency in identifying multidimensional health variations across the life span. The course includes classroom and laboratory experiences.

NURSE 3110 Pathophysiological Bases Of Nursing Practice: 3 semester hours
Prerequisites: BIOL 1131, BIOL 1141, BIOL 1162, CHEM 1052 (or equivalent); NURSE 1010. This course focuses on the nature of disease, its causes and the bodily changes that accompany it. The course includes a study of general principles of disease, specific diseases of individual organs and systems and the clinical implications.

NURSE 3111 Pharmacotherapeutics In Nursing Practice: 3 semester hours
Prerequisites: BIOL 1141, BIOL 1162, CHEM 1052, NURSE 1010; pre/ co requisite: NURSE 3110. This course introduces key terminology, legal foundations, general principles and clinical applications of pharmacology.

NURSE 3120 Foundations of Nursing: 7 semester hours
Prerequisites: All general education requirements and accelerated nursing option prerequisite non-nursing courses. This course introduces the student to the theoretical concepts and foundations of professional nursing practice. Utilizing an integrated approach, health promotion and protection throughout the lifespan are explored and supported using theories of nursing practice, health assessment of well individuals, and general principles and concepts of pharmacology and critical thinking.

NURSE 3121 Clinical Foundations of Nursing: 3 semester hours
Prerequisites: NURSE 3120. This course assists in the development and application of clinical reasoning in the lab, clinical agency, and simulation environments. Through clinical learning experiences, the student acquires basic psychomotor, communication, and medication administration skills. The student applies these skills in the provision of safe and effective nursing care to clients while promoting health, wellness, and clinical reasoning.

NURSE 3205 Adult Health Nursing I: 5 semester hours
Prerequisites: All 3100 level nursing courses and PSYCH 1268. This course focuses on the nursing care of the adult experiencing selected pathophysiological processes affecting body regulatory mechanisms. These mechanisms are related to immune responses, problems of oxygenation: ventilation, transport and perfusion: kidney function; regulatory mechanisms and digestion absorption and elimination. Emphasis is placed on health restoration, maintenance and support as well as the continued development of the nurse-client relationship, critical thinking processes, and research-based nursing practice. This course includes classroom and clinical activities in a variety of settings.
NURSE 3206 Adult Health Nursing II: 5 semester hours
Prerequisites: All 3100 level nursing courses and PSYCH 1268. This course focuses on the nursing care of the adult experiencing selected pathophysiological processes affecting body regulatory mechanisms. These mechanisms are related to endocrine, sensory-perceptual, gynecological, and genitourinary functions. Emphasis is placed on health restoration, maintenance and support as well as the continued development of the nurse-client relationship, critical thinking processes, and research-based nursing practice. This course includes classroom and clinical activities in a variety of settings.

NURSE 3214 Psychiatric Mental Health Nursing: 4 semester hours
Prerequisites: All 3100-level nursing courses; PSYCH 1268. This course focuses on health and illness across the lifespan of clients who have acute and chronic emotional and psychosocial difficulties and psychiatric illnesses. The course emphasizes development of students’ decisional capabilities, self-awareness and professional behaviors as they utilize theory and research from nursing, psychology and related disciplines for the provision of nursing care to individuals, families, & groups. Clinical experiences in community and acute care settings are designed for students to engage in individual and group strategies that promote and maintain mental health. Course includes classroom and clinical activities in a variety of settings.

NURSE 3215 Nursing Of Women And Childbearing Families: 4 semester hours
Prerequisites: All 3100 level nursing courses, PSYCH 1268. Focuses on the childbearing family and women's reproductive health, including family dynamics and growth and development. Health promotion, protection, maintenance and restoration are covered in experiences that include hospital and community settings. Health care policy and systems as relevant to these populations are included. Course includes classroom and clinical activities in a variety of settings.

NURSE 3216 Child And Family Health Nursing: 4 semester hours
Prerequisites: All 3100 level nursing courses, PSYCH 1268. This course focuses on pediatric health and illness with emphasis on family dynamics, growth and development and communication with children and their families. Health promotion, protection, restoration, maintenance and support concepts are covered in experiences that include hospital and community settings. Health care policy and systems are studied as relevant to this population. Course includes classroom and clinical activities in a variety of settings.

NURSE 3324 Sociology Of The Family: 3 semester hours
Same as SOC 3224. Prerequisite: SOC 1010 or consent of instructor. The study of patterns of close relationships, and how these relationships are influenced by larger social forces. Topics include: love, dating, mate selection, cohabitation, alternative lifestyles, working families, parenting, single mothers, families in crisis, domestic violence, and divorce. Universal and variable aspects of family organization, family role systems, and changes in family social structure.

NURSE 3330 Nursing of Adults I: 5 semester hours
Prerequisites: NURSE 3120, NURSE 3121. This course focuses on the nursing care of the adult experiencing health problems affecting body regulatory mechanisms. These mechanisms are related to perioperative processes, immune processes, problems of oxygenation, cardiovascular alterations, fluid and electrolyte/acid-base imbalances, integumentary problems, abnormalities of the reproductive system and genetics, oncology and hematology problems. This course also incorporates relevant concepts of pharmacology and pathophysiology related to these conditions. Emphasis is placed on health promotion and restoration, maintenance and support as well as the continued development of the nurse-client relationship, critical thinking, and evidence-based nursing practice across the adult life span.

NURSE 3331 Clinical Nursing of Adults I: 3 semester hours
Prerequisites: NURSE 3330. This course focuses on the nursing care of adults in the lab, clinical agency, and simulation environments. Utilizing an integrated approach, advanced nursing skills and assessment techniques for adult clients are mastered in perioperative processes, immune processes, problems of oxygenation, hematology, cardiovascular alterations, fluid and electrolyte/acid-base imbalances, integumentary problems, abnormalities of the reproductive system, genetics and oncology problems. Clinical reasoning is developed and applied in order to provide safe and effective nursing care to adult clients across the health/illness continuum.

NURSE 3340 Behavioral Health Nursing: 2.5 semester hours
Prerequisites: All 3100 level nursing courses and PSYCH 1268. This course focuses on health and illness across the lifespan of clients who have acute and chronic psychosocial and behavioral health issues and specific psychiatric illnesses. An emphasis is placed on the nurse/client relationship in behavioral health promotion, restoration, maintenance and support.

NURSE 3341 Clinical Behavioral Health Nursing: 1.5 semester hour
Prerequisites: NURSE 3340. In this course students utilize theory and evidence from nursing and related disciplines in the provision of nursing care to individuals, families, and groups with psychiatric and behavioral health problems. Clinical experiences in community and acute care settings are designed so that students can engage in individual and group strategies that promote and maintain mental health.

NURSE 3350 Nursing of Adults II: 5 semester hours
Prerequisites: NURSE 3120, NURSE 3121. This course focuses on the nursing care of the adult experiencing complex pathophysiologic processes affecting body regulatory mechanisms. These mechanisms are related to endocrine, neurological, musculoskeletal, gastrointestinal, sensory-perceptual, male reproductive and genitourinary problems. This course also incorporates relevant concepts of pathophysiology and pharmacology related to these conditions. Emphasis is placed on health promotion and restoration, maintenance and support, as well as the continued development of the nurse-client relationship, critical thinking and evidence-based nursing practice across the adult life span. NURSE 3350 and NURSE 3351 are co-requisites to be taken together in an 8-week period.
**NURSE 3351 Clinical Nursing of Adults II: 3 semester hours**  
Prerequisites: Co-requisite with NURSE 3350. This course focuses on the nursing care of adults in the lab, clinical agency and simulation environments. Utilizing an integrated approach, complex psychomotor skills and assessment techniques for adult clients are mastered in patients with musculoskeletal problems, endocrine alterations, renal/genitourinary problems, sensory-perceptual problems, and liver problems. Clinical reasoning is developed and applied in order to provide safe and effective nursing care to adult clients with complex problems across the health/illness continuum. NURSE 3350 and NURSE 3351 are co-requisites to be taken together in an 8-week period.

**NURSE 3360 Maternal-Child Nursing: 5 semester hours**  
Prerequisites: PSYCH 1268, NURSE 3120, NURSE 3121. This course focuses on women's reproductive health, childbearing and child-rearing families, as well as the health and illness of children from conception through adolescence. There is an emphasis on family dynamics, growth and development, and communication with children and their families. Health care policy and systems are incorporated as they relate to diverse populations. NURSE 3360 and NURSE 3361 are co-requisites to be taken together in an 8-week period.

**NURSE 3361 Clinical Maternal-Child Nursing: 3 semester hours**  
Prerequisites: Co-requisite with NURSE 3360. Health promotion, protection, restoration, and maintenance for the mother-child and family care are addressed in experiences that include nursing skills lab, hospital agency and a variety of community settings. NURSE 3360 and NURSE 3361 are co-requisites to be taken together in an 8-week period.

**NURSE 3799 Quantitative Analysis In The Health Sciences: 3 semester hours**  
Prerequisites: MATH 1030 or equivalent. This course focuses on concepts and applications of statistics in the health sciences. Topics include descriptive and inferential statistics, probability distributions of random variables, sampling and estimation. The course uses examples and content from health sciences to provide the basic concept structure for quantitative analysis.

**NURSE 3804 Ethical And Legal Dimensions Of Nursing Practice: 3 semester hours**  
Prerequisites: Philosophy (3 credits). This course explores the ethical and legal dimensions of nursing practice. The relationship between ethical and legal issues is examined within nursing situations. The student participates in dialogue addressing ethical-legal issues in professional nursing practice to explore personal values, increase sensitivity to others and to develop ethical reasoning abilities.

**NURSE 3807 Nursing Research - Evidence Based Nursing Practice: 3 semester hours**  
Prerequisite: NURSE 3799 (or equivalent). This course prepares nurses to provide evidence based care to patients among the rapid advances in the science and technology of healthcare. This course provides a basic understanding of how evidence is developed, including the research process, clinical judgment, interprofessional perspectives, and patient preference as applied to nursing practice. Students will learn a systematic method to evaluate and apply research findings and other evidence in designing and implementing nursing care that is multidimensional, high quality, and cost-effective.

**NURSE 3808 Management And Leadership In Nursing: 2-3 semester hours**  
Prerequisites: All 3000 level nursing courses; ECON 1000 or (equivalent)  
This course prepares the nurse to coordinate and manage client care in diverse health care settings. Emphasis is placed on leadership and management theory and related skills, collaboration, delegation, coordination, and evaluation of multi-disciplinary work and the application of outcome-based nursing practice.

**NURSE 3817 Introduction To Nursing And Health Informatics: 3 semester hours**  
This online laboratory course establishes competency in fundamental information management and computer technology skills. It enables students to use existing information systems and available information to manage nursing practice. Students critically evaluate technology, information, and its sources; use decision support systems designed for clinical decision making; and focus on the representation of nursing data, information, and knowledge.

**NURSE 3820 Introduction to Evidence-Based Nursing Practice and Informatics: 5 semester hours**  
Prerequisites: NURSE 3799 or equivalent statistics course. This course will focus on current review of qualitative and quantitative nursing literature and research utilization through evidence-based practice and establish competency in fundamental information management and technology. Students will examine the research and evidence-based process through analysis and critique of nursing literature; critically evaluate technology, information, and its sources; use decision support systems designed for clinical and ethical decision making; and focus on the presentation of nursing data, information, and knowledge.

**NURSE 3837 Guided Study In Nursing: 1-3 semester hours**  
This course is an in-depth independent study of selected topics in nursing under the guidance of a specific instructor. No more than six hours may be taken under this option.

**NURSE 3900 Dimensions Of Professional Nursing: 3 semester hours**  
Prerequisites: Admission to the College as RN. This course investigates the roles and responsibilities of the professional nurse within a rapidly changing health care delivery system. Key issues are explored with emphasis on health promotion and health. Graduates of diploma nursing programs will be awarded college credit for successful validation of basic nursing knowledge as part of this course.

**NURSE 3920 Health Assessment: 3 semester hours**  
Prerequisites: NURSE 3900 and NURSE 3817 (may be taken concurrently) or consent of instructor. This laboratory course focuses on the knowledge, communication abilities, and technical skills necessary for comprehensive assessment of individuals of all ages.

**NURSE 4300 Community Health Nursing: 4 semester hours**  
Prerequisites: All 3000 level nursing courses. This course provides a conceptual foundation for nursing that recognizes the community as client in society. The course examines socioeconomic, environmental, epidemiological, and legislative influences, ethical/legal issues, and the impact of health beliefs and practices on health promotion and protection in communities and society. The student applies various theories and concepts when encountering families, groups and communities with diverse value systems and cultural backgrounds. Course includes classroom and clinical activities in a variety of settings.
NURSE 4310 Senior Synthesis: 6 semester hours
Prerequisites: All 3000 level nursing courses; NURSE 4300 and NURSE 3808 may be taken concurrently. This course integrates theory and practice from previous nursing and general education courses with the goal of preparing the student for entry into professional nursing practice. Within a seminar context, students explore a variety of clinical and professional nursing topics. The course includes research-based strategies utilized for health promotion and protection, health restoration, maintenance and support. Areas of study are selected from across the lifespan, including diverse populations in a variety of health care systems. Course includes classroom and clinical experiences in a variety of settings. Not for graduate credit.

NURSE 4520 Population Focused Nursing: 2 semester hours
Prerequisites: All 3300 level nursing courses, NURSE 3804, NURSE 3820. This course provides a conceptual foundation for nursing that recognizes populations in society. The course examines the effect of socioeconomic and environmental, epidemiological factors, and the impact of health beliefs and practices on health promotion and protection in populations. This course also focuses on epidemiological factors and legislative influences in diverse populations.

NURSE 4521 Clinical Population Focused Nursing: 2 semester hours
Prerequisites: NURSE 4520. This clinical course focuses on the nursing care of populations in various settings. The student applies population-based theories and concepts when encountering individuals, families, groups and populations with diverse value systems and cultural backgrounds.

NURSE 4530 Leadership Development and Professional Nursing Practice: 4 semester hours
Prerequisites: All 3300 level nursing courses, NURSE 3804, NURSE 3820. This course integrates theory and practice from previous nursing and general education courses with the goal of preparing the student for entry into professional nursing practice. Areas of study are selected from across the lifespan, including diverse populations in a variety of health care systems. Topics will include leadership, management theory and related skills, collaboration, delegation, coordination, and evaluation of outcome based interdisciplinary nursing practice.

NURSE 4531 Clinical Leadership Development and Professional Nursing Practice: 4 semester hours
Prerequisites: NURSE 4530. This clinical course includes a variety of experiences to prepare the student nurse to lead, coordinate, and manage client care in diverse health care settings. This course includes research-based strategies utilized for health promotion and protection, health restoration, maintenance, and support. Areas of study are selected from across the lifespan, including diverse populations in a variety of health care systems.

NURSE 4720 Perioperative Nursing: 3 semester hours
Prerequisite: Consent of the instructor. Provides experiences in preoperative, intraoperative, and postoperative settings. Includes a clinical component.

NURSE 4722 Transcultural Nursing: 3 semester hours
Prerequisite: Consent of the Instructor. Examines transcultural nursing concepts, theories and practices in relationship to human caring. Focuses on application and analysis of health care and scope of practice within selected cultural contexts. Includes practicum experiences.

NURSE 4723 Nurse Externship: 3 semester hours
Prerequisite: Senior level status; GPA 3.0 (4.0 scale). This course provides the opportunity to apply theoretical and conceptual knowledge and skills in a structured clinical environment under the guidance of a mentor.

NURSE 4724 Emergency/Trauma Nursing: 3 semester hours
Prerequisites: NURSE 3205 and NURSE 3206 or consent of instructor. This course provides a framework for the roles and responsibilities of the professional registered nurse in Emergency and Trauma nursing care.

NURSE 4726 Parish Nursing: 3 semester hours
Prerequisites: All 2000 level nursing courses, NURSE 3205 and NURSE 3214. This course provides a conceptual foundation that recognizes a specialty of nursing practice that combines professional nursing and health ministry. It examines four major concepts: professionalism; health and wholeness; spirituality; and community as it relates to culture and diversity. The course includes classroom discussion, individual reflection and community based learning experiences.

NURSE 4730 Nursing Care At The End Of Life: 3 semester hours
Prerequisites for Nursing Students NURSE 3205 and NURSE 3214. All others by consent of instructor. This course focuses on the nursing care of terminally ill patients and their families. Topics explored will include the impact of personal values and beliefs about death, physiology of end stage disease processes, symptom assessment and management, psychosocial and spiritual support, consideration in special patient populations, societal issues and trends in end of life care, ethical considerations in caring for the dying patient, grief and bereavement processes, and the role nursing in end of life care across settings.

NURSE 4741 Advanced Nrsng Assmt & Mgt Of Clients W/Cardiac Dysrhythmias: 3 semester hours
Prerequisite: Senior status. Focuses on advanced nursing assessment and management of clients with cardiac rhythm problems and conduction disturbances. Includes a clinical component.

NURSE 4742 Critical Care Nursing Of The Adult: 3 semester hours
Prerequisites: RN or completion of NURSE 3205 and NURSE 3206 (or equivalent). Focuses on health restoration, health maintenance, and health support of individuals with dysfunctions or trauma to major organ systems. Emphasis is on understanding pathophysiology and psychosocial processes related to nursing and collaborative interventions, and the development of a functional framework for data organization and analysis.

NURSE 4901 Family And Community Nursing: 5 semester hours
Prerequisites: NURSE 3900, NURSE 3817 and NURSE 3920. This practicum course introduces the concepts, principles, skills, and professional nursing roles essential to practice community-based professional nursing with families and groups.

NURSE 4905 Values In Professional Nursing: 3 semester hours
Prerequisites: All 3000 level RN/BSN nursing courses or consent of instructor. Explores values and beliefs as they shape professional nursing practice and influence clinical decision making and interventions in the evolving health care system. Attention is given to the impact of sociocultural factors and health/illness beliefs and practices of the diverse populations served by the professional nurse. Students examine their own understanding of the moral nature of professional nursing within the context of a diverse society.

NURSE 4911 Synthesis In Nursing Practice: 5 semester hours
Prerequisites: NURSE 4901. This practicum course focuses on community-based application and synthesis of professional nursing roles and responsibilities with selected populations determined to be at risk for a variety of health related problems. The course includes assessment of cognitive and affective growth achieved while in the BSN Completion Program.
**NURSE 6000 Statistics in Nursing & Health Sciences: 3 semester hours**
Prerequisites: Admission to graduate study in nursing or consent of instructor. Provides students with a graduate level understanding of quantitative methods and their relationship to research in nursing and health sciences. Students will conduct lab data analysis based on the topics covered in the class and learn how to generate specific research questions and conduct basic statistical analysis.

**NURSE 6106 Policy, Organization And Financing In Health Care: 3 semester hours**
Prerequisite: Admission to MSN program. This course presents an overview of health care policy, organization, and financing with emphasis on current health care trends. The focus is on the design and implementation of health care delivery systems with the goal of providing safe, quality, and informatics driven cost-effective care. Emphasis is placed on the development of a leadership role in managing human, financial, and physical health care resources. The format includes pertinent information concerning primary health care and public health issues, the relationship between these issues, and improving health care delivery and outcomes.

**NURSE 6111 Healthcare Systems Concepts and Theory: 3 semester hours**
Prerequisites: Consent of Program Director. Healthcare Systems Concepts and Theory introduces the historical development, current U.S. health care structure, and projected transformation of the U.S. health care system and practice professions. This is a foundational course that provides the student with an understanding of the complex nature of the healthcare sector. This course content prepares the student to assess organized efforts to influence health delivery and policy formulation, the impact of these efforts on the administrator, leader, or policy analyst of a healthcare organization, and the role of societal values and individual behaviors in healthcare system's performance, reform efforts, and the health status of the U.S. population.

**NURSE 6112 Nursing Research Methods: 3 semester hours**
Prerequisites: NURSE 3799 or equivalent; NURSE 6111 may be taken concurrently. This course is designed to provide the student with the skills required to be a consumer of nursing research. These include the fundamentals of scientific inquiry in nursing as well as the information necessary to understand and evaluate nursing research. Principles and techniques common to scientific investigation are applied to nursing. Researchable problems are developed.

**NURSE 6114 Evidence-Based Nursing: 3 semester hours**
Prerequisite: NURSE 6112. This course prepares nurses to review existing nursing research about a nursing practice problem and to propose appropriate changes in current nursing practice. The theoretical basis for evidence-based nursing with respect to screening, diagnosis, selection of treatment alternatives, and prognosis are examined. Research designs such as case control and cohort studies are included. Practical application of change in nursing is examined, including formative and summative aspects of evaluation. Opportunities are provided to develop a plan to implement evidence-based change in an area of nursing practice.

**NURSE 6120 Population-Based Foundations of Health: 3 semester hours**
Prerequisite: Admission to MSN. The purpose of this course is to provide students with an advanced nursing practice perspective on providing population-based nursing care. This course includes an evaluation of human and cultural diversity in the health-illness continuum. Core concepts include ethics; theories of health and health promotion, protection, restoration, and maintenance; and the support needed for a peaceful death. Coursework will focus on community/population-based data on epidemiology, disease and injury prevention, health education, growth and development, and family systems.

**NURSE 6130 Research, Interventions and Evidence-Based Practice: 3 semester hours**
Prerequisites: Consent of Program Director. This course provides opportunities to examine the processes and evaluation components of evidence-based practice, including the identification of significant clinical problems, evaluation of evidence underlying competing interventions, effectiveness of interventions, and implementation and evaluation of health promotion and therapeutic interventions that improve the quality of care or health outcomes for individuals, groups, and populations. Students will have opportunities to develop skills needed to critically analyze scientific literature foundational to implementing evidence-based practice projects.

**NURSE 6144 Health Promotion and Cultural Diversity: 3 semester hours**
Prerequisites: Admission to the MSN program. This course provides graduate nursing students with knowledge related to the concepts of health promotion, health protection, cultural diversity, and moral/ethical influences across the lifespan. Core concepts for the course include theories of health and health promotion and protection, epidemiology, disease an injury prevention, health education, cultural diversity, growth and development, nutrition and family systems. The students will explore values clarification and ethical analysis.

**NURSE 6160 Role Of The Nurse Educator: 3 semester hours**
Prerequisites: Admission to the MSN program or consent of instructor. This course focuses on the development and evaluation of the interactive nature of teaching and learning in a variety of settings.

**NURSE 6162 Learning And Curriculum Development In Nursing: 3 semester hours**
Prerequisites: NURSE 6309. This course examines theoretical foundations, principles, and issues in curriculum design. Explores systematic evaluation of curriculum at all levels.

**NURSE 6164 Instructional Strategies In Nursing: 3 semester hours**
Prerequisites: NURSE 6309 or consent of Instructor; must be taken concurrently with NURSE 6320. This course focuses on the development and analysis of teaching and learning strategies in nursing education. Adult learning principles of teaching and learning will be incorporated into the innovative strategies developed within this course. Integration of new technology in instructional design and delivery will be highlighted. Evaluation methods of both teacher and learner will be explored.
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NURSE 6322 Evaluation Strategies in Nursing: 3 semester hours
Prerequisites: NURSE 6309. This course provides students the opportunity to learn evaluation concepts, including testing and measurement in nursing education at the didactic, clinical and programmatic levels. Content includes strategies to assess and evaluate learning in the cognitive, psychomotor and affective domains. Quality improvements, as well as legal and ethical considerations are explored. Key concepts include criterion and norm referenced theory and technique; reliability, validity, and the associated descriptive statistics; preparation of instrumental objectives for use in developing classroom tests and clinical nursing performance evaluations.

NURSE 6409 Role Of The Nurse Leader: 3 semester hours
Prerequisites: Admission to the Master's Program in the College of Nursing or consent of the instructor. Analysis of the roles and responsibilities of the nurse executive in a complex healthcare system. This course explores the roles and challenges of the clinical nurse leader. Emphasis will be placed on the responsibilities of the clinical nurse and clinical nurse leader in a complex healthcare system.

NURSE 6418 Organizational Behavior in Healthcare: 3 semester hours
Prerequisites: Consent of Program Director. This course applies theory and concepts from organizational behavior to the healthcare system and incorporates organizational theory and behavioral sciences as a framework for improving organization performance. Students will understand interpersonal and interprofessional relationships in healthcare and factors that influence effectiveness and employee and patient satisfaction. Areas of particular focus will include psychosocial factors impacting recruitment selection, training and development of employees, healthcare organizational leadership, theories of employee performance, effective management theory and practice, engaging and involving employees in organizational processes, motivation, teamwork, and managing change.

NURSE 6420 Healthcare Law and Regulation: 3 semester hours
Prerequisites: Consent of Program Director. This course introduces and examines a wide range of topics in the area of health law and regulation, and discusses how laws and regulations can promote or impede health and well-being. Students will explore concepts that inform healthcare policy, potential legal problems in various health care settings, issues and rights that are implicated, and the role of law in healthcare and policy. Students will identify issues and propose solutions or plans of action. The emphasis will be on formulating analyses of federal, state, and local law related to healthcare and public health. Specific topics will include the role that policy and law have played in areas such as tobacco regulation, managed care, healthcare reform, and laws utilized for emergency use of drugs and during public health emergencies.

NURSE 6424 Social Determinants of Health: 3 semester hours
This course covers health disparities in the U.S. that adversely impact individual health, population health outcomes, and the productivity of the workforce. Developing an appropriate response to what will be treated as an epidemic requires an understanding of factors that adversely influence vulnerability and behavior. Patterns of poverty and life expectancy serve as one vehicle for understanding social disparities. The goal of this course is to provide students with the skills to critically reflect on current strategies to stem the health disparities through a sociological approach to understanding epidemiological patterns. Understanding the impact of poverty, racism, and stigma and the processes of migration, incarceration, social interaction that influences vulnerability, access to care, and participation in wellness activities will be addressed. This course will have an extensive interdisciplinary approach that will challenge students to create solutions that address elements of the structural and social environment impacting health disparities. Students will work with individuals in the community to assess existing disparities, the current and the past approaches to mitigating the factors leading to disparities.

NURSE 6425 Managed Care Services: 3 semester hours
Prerequisites: Admission to the MSN or consent of instructor. Provides an analysis of the healthcare environment in managed care and its impact on the nurse's role.

NURSE 6426 Health Resources Management: 3 semester hours
Prerequisite: NURSE 6409. This course focuses on the roles and responsibilities of the nurse leader for fiscal and human resource management in both public and private sectors. Includes analysis of the environment, healthcare organization within the system and impact of resource management on nursing and health care.

NURSE 6428 Theory And Practice In Nursing Leadership: 3 semester hours
Prerequisite: NURSE 6409. This course focuses on theories and practices of advanced nursing leadership and management practice within complex healthcare systems. This course will also compare to global healthcare systems. Particular focus will be on the application/effectiveness assessments of the practices within healthcare organizations. Patient safety and quality management theory practices in healthcare will be discussed in depth and compared to other industries' safety and quality management programs' theory/practices.

NURSE 6509 Role Of The Clinical Nurse Specialist/Nurse Practitioner: 2 semester hours
Prerequisites: Admission to the Master's Program in the College of Nursing or consent of instructor. This course will focus on issues affecting the emerging roles of the nurse practitioner and clinical nurse specialist. It is designed to facilitate the role development of nurses who desire to function as primary care providers and/or as specialists within a specific clinical area of advanced nursing practice. Emphasis include sub-roles of advanced practice (leader, consultant, expert, researcher, educator), legal and professional issues, change theories, and standards of practice.

NURSE 6518 Pathophysiology For Advanced Nursing Practice: 3 semester hours
Prerequisites: Consent of Program Director. This course prepares the student to interpret changes in physiology that result in symptoms indicative of illness by a systematic examination of disease processes. The graduate student will compare and contrast differential diagnosis within physiological systems of sub-cellular and cellular origin, biochemical, and anatomical changes across the life span.
**NURSE 6519 Advanced Pediatric Pathophysiology: 3 semester hours**
This course focuses on embryology of the major organ systems, as well as specific physiologic and pathophysiologic processes relevant to the child from birth through age 18. Implications for advanced nursing practice which result from alterations of normal physiologic functioning in cellular, tissue, and organ systems are examined. Emphasis is placed on the relationship between pathophysiology, decision making and standards of advanced nursing practice.

**NURSE 6520 Pharmacology For Advanced Nursing Practice: 3 semester hours**
Prerequisites: NURSE 6518 or consent of Program Director. This is a course in clinical pharmacotherapeutics that builds on prior knowledge of drug classifications, actions, interactions, and adverse drug reactions. The major focus of the course is the pharmacotherapeutic use of medications for primary healthcare management by advanced practice nurses. Emphasis is placed on clinical critical thinking processes used to prescribe drugs in the management of specific illnesses. The laws and regulations for advanced practice nurse prescriptive authority will be addressed. Emphases include pharmacodynamics, pharmacokinetics, pharmacotherapeutics, health-related information, medication compliance, and issues that pertain to the prescribing of medications in advanced nursing practice.

**NURSE 6524 Health Assessment For Advanced Nursing Practice: 3 semester hours**
Prerequisite: NURSE 6518 or consent of Program Director. This course provides a systematic approach to advanced physical assessment as well as psychological, sociocultural, developmental, and spiritual assessment of individuals across the life span. This course builds upon basic health assessment knowledge and skills, laboratory work interpretation, validation, documentation, and analysis of assessment findings. This course includes mandatory didactic and clinical experiences.

**NURSE 6526 Advanced Health Assessment For Pediatric Nursing Practice: 3 semester hours**
Co-requisite: NURSE 6519 or permission of the instructor. Comprehensive assessment of children through adolescence, including those with significant health and/or developmental deviations, using advanced diagnostic reasoning process. Emphasis on health history, cultural diversity, differentiation, interpretation, and documentation of findings. This course includes mandatory didactic and clinical experiences.

**NURSE 6529 Advanced Pharmacology For Pediatric Nursing Practice: 3 semester hours**
Prerequisites: Admission to Master of Science in Nursing or permission of the instructor. This course is a clinical pharmacotherapeutics that builds on prior knowledge of drug classifications, actions, interactions, and adverse drug reactions. The major focus of the course is the pharmacotherapeutic use of medications for primary health care management of children from birth to young adulthood by advanced practice nurses. Emphasis is placed on the clinical critical thinking process used to prescribe drugs in the management of specific illness. The Missouri Laws for advanced practice nurse prescriptive authority will be addressed. Core concepts include pharmacodynamics, pharmacokinetics, health related information, medication compliance and issues that pertain to the prescribing of medication in advanced nursing practice.

**NURSE 6530 Clinical Diagnostics for Advanced Nursing Practice: 3 semester hours**
Prerequisites: Consent of Program Director. This course provides an introduction to the interpretation and appropriate use of diagnostic measures for advanced practice nurses in primary care settings. Special attention is paid to laboratory, radiographic and diagnostic testing. In addition, clinical opportunities will be provided to gain clinical interventional skills for advanced practice nursing.

**NURSE 6660 Introduction to Health Systems Management, and Policy for Underserved: 3 semester hours**
Prerequisites: Consent of Program Director. This course provides a comprehensive survey of the U.S. health care system, healthcare policy, integrative care practice models, and management principles useful in primary care settings dedicated to underserved populations. Selected topics include health behaviors, health maintenance and the management of primary healthcare in underserved populations, access to mental health care and substance abuse treatment, the U.S. healthcare system (both public and private sectors), the legal and ethical bases for caring for the underserved, the public policy-making process, and management principles of strategic planning, marketing, and project management in clinics serving the underserved. The analysis of community health indicators, health disparities, and healthcare trends impacting underserved populations will be incorporated into a community based experience.

**NURSE 6730 Leadership in Population Health I: 4 semester hours**
This clinical course is designed to provide a theoretical and practical base for leadership development in population health, community health and organizational management. Emphasis is placed on clinical assessment and decision-making in the population's community-level intervention to change health outcomes. The student is expected to clinically apply the concepts and theories discussed in class that address health disparities in underserved populations, infectious diseases and community-level systems to chronic conditions.

**NURSE 6731 Leadership in Population Health II: 4 semester hours**
Prerequisites: NURSE 6730 or consent of Program Director. This clinical course is designed to provide a theoretical and practical base for leadership development in population health, community health and organizational management. Emphasis is placed on clinical assessment and decision-making in the population's community-level intervention to change health outcomes. The student is expected to clinically apply the concepts and theories discussed in class that address health disparities in underserved populations, infectious diseases and community-level systems to chronic conditions.

**NURSE 6734 Psychiatric-Mental Health I: Diagnosis and Management in Advanced Nursing Practice: 4-5 semester hours**
Prerequisites: NURSE 6518, NURSE 6520, NURSE 6524 or consent of the Program Director. This course builds upon the advanced practice foundational courses of pathophysiology, pharmacology and advanced physical assessment to prepare students to assume roles in the advanced nursing care of individuals and families across the lifespan experiencing psychiatric-mental health concerns. Emphasis is placed on clinical assessment and decision-making in the provision of direct patient care within a defined scope of practice. Students will synthesize prior learning and apply primary prevention strategies into the diagnosis and holistic management of common acute, chronic and mental health problems in this population.

**NURSE 6735 Psychiatric-Mental Health II: Diagnosis & Management in Advanced Nursing Practice: 4-5 semester hours**
Prerequisite: NURSE 6737 or consent of Program Director. This course builds upon the advanced practice foundational courses of pathophysiology, pharmacology and advanced physical assessment to prepare students to assume roles in the advanced nursing care of the adult-geriatric age spectrum. Emphasis is placed on clinical assessment and decision-making in the provision of direct patient care within a defined scope of practice. Students will synthesize prior learning and apply primary prevention strategies into the diagnosis and holistic management of common acute, chronic, and mental health problems in this population.
NURSE 6739 Adult-Geriatric Health I: Diagnosis and Management in Advanced Nursing Practice: 4-5 semester hours
Prerequisites: NURSE 6518, NURSE 6520, NURSE 6524 or consent of the Program Director. This course builds upon the advanced practice foundational courses of pathophysiology, pharmacology and advanced physical assessment to prepare students to assume roles in the advanced nursing care of the adult-geriatric age spectrum. Emphasis is placed on clinical assessment and decision-making in the provision of direct patient care within a defined scope of practice. Students will synthesize prior learning and apply primary prevention strategies into the diagnosis and holistic management of common acute, chronic and mental health problems in this population.

NURSE 6740 Adult-Geriatric Health II: Diagnosis and Management in Advanced Nursing Practice: 4-5 semester hours
Prerequisite: NURSE 6739 or consent of Program Director. This course builds upon the advanced practice foundational courses of pathophysiology, pharmacology and advanced physical assessment to prepare students to assume roles in the advanced nursing care of the adult-geriatric age spectrum. Emphasis is placed on clinical assessment and decision-making in the provision of direct patient care within a defined scope of practice. Students will synthesize prior learning and apply primary prevention strategies into the diagnosis and holistic management of common acute, chronic and mental health problems in this population.

NURSE 6741 Family Health I: Diagnosis and Management of Advanced Nursing Practice: 4-5 semester hours
Prerequisites: NURSE 6518, NURSE 6520, NURSE 6524 or consent of the Program Director. This course builds upon the advanced practice foundational courses of pathophysiology, pharmacology and advanced physical assessment to prepare students to assume roles in the advanced nursing care of individuals and families across the lifespan. Emphasis is placed on clinical assessment and decision-making in the provision of direct patient care within a defined scope of practice. Students will synthesize prior learning and apply primary prevention strategies into the diagnosis and holistic management of common acute, chronic and mental health problems in this population.

NURSE 6742 Family Health II: Diagnosis and Management in Advanced Nursing Practice: 4-5 semester hours
Prerequisites: NURSE 6741 or consent of Program Director. This course builds upon the advanced practice foundational courses of pathophysiology, pharmacology and advanced physical assessment to prepare students to assume roles in the advanced nursing care of individuals and families across the lifespan. Emphasis is placed on clinical assessment and decision-making in the provision of direct patient care within a defined scope of practice. Students will synthesize prior learning and apply primary prevention strategies into the diagnosis and holistic management of common acute, chronic and mental health problems in this population.

NURSE 6743 Child Health I: Diagnosis and Management in Advanced Nursing Practice: 4-5 semester hours
Prerequisites: NURSE 6578, NURSE 6520, NURSE 6524 or consent of Program Director. This course builds upon the advanced practice foundational courses of pathophysiology, pharmacology and advanced physical assessment to prepare students to assume roles in the advanced nursing care of infants, children and adolescents. Emphasis is placed on clinical assessment and decision-making in the provision of direct patient care within a defined scope of practice. Students will synthesize prior learning and apply primary prevention strategies into the diagnosis and holistic management of common acute and chronic health and mental health problems in this population.

NURSE 6744 Child Health II: Diagnosis and Management in Advanced Practice Nurse: 4-5 semester hours
Prerequisites: NURSE 6743 or consent of Program Director. This course builds upon the advance practice foundational courses of pathophysiology, pharmacology, and advanced physical assessment to prepare students to assume roles in advanced nursing care of infants, children and adolescents. Emphasis is placed on clinical assessment and decision-making in the provision of direct patient care within a defined scope of practice. Students will synthesize prior learning and apply previous strategies into the diagnosis and holistic management of common acute, chronic and mental health problems in this population.

NURSE 6746 Women’s Health I: Diagnosis & Mgmt In Advanced Practice Nursing: 4-5 semester hours
Prerequisites: NURSE 6518, NURSE 6520, NURSE 6524 or consent of Program Director. This course builds upon the advanced practice foundational courses of pathophysiology, pharmacology and advanced physical assessment to prepare students to assume roles in the advanced nursing care of women across the life span, with a focus on reproductive health, including male sexual and reproductive health. Emphasis is placed on clinical assessment and decision-making in the provision of direct patient care within the defined scope of practice. Students will synthesize prior learning and apply primary prevention strategies into the diagnosis and holistic management of common acute, chronic and mental health problems in this population.

NURSE 6747 Women’s Health II: Diagnosis & Mgmt In Advanced Nursing Practice: 4-5 semester hours
Prerequisites: NURSE 6518, NURSE 6520, NURSE 6524 or consent of Program Director. This course builds upon the advanced practice foundational courses of pathophysiology, pharmacology and advanced physical assessment to prepare students to assume roles in the advanced nursing care of the adult-geriatric age spectrum. Emphasis is placed on clinical assessment and decision-making in the provision of direct patient care within a defined scope of practice. Students will synthesize prior learning and apply primary prevention strategies into the diagnosis and holistic management of common acute, chronic and mental health problems in this population.

NURSE 6748 Special Topics In Advanced Practice Nursing: 1-3 semester hours
Prerequisites: Consent of instructor. Explore special topics for the advanced practice nurse in the areas of research, theory, education and administration. No more than three hours shall be applied toward the degree. This course is for graduate MSN or PhD levels.

NURSE 6775 Special Study In Graduate Nursing: 1-3 semester hours
Prerequisites: Admission to MSN prog or consent of instructor. In-depth study of selected topics in nursing under the guidance of a specific instructor. No more than three hours may be applied to the master’s program of study.

NURSE 6934 Leadership in Population Health and Healthcare Systems Residency I: 3 semester hours
This clinical course is designed to provide a theoretical and practical base for leadership development in population health and community health and organizational management. Emphasis is placed on clinical assessment and decision-making in the populations and community-level interventions to change health outcomes. The student is expected to clinically apply the concepts and theories discussed in class that address health disparities in underserved populations, infectious diseases, and community-level responses to chronic conditions. Clinical experiences are designed to enhance assessment and technical skills.
NURSE 6935 Leadership in Population Health and Healthcare Systems Residency II: 3-6 semester hours
This clinical course provides continued precepted experiences that allow students to develop the nurse practitioner role and clinical competencies within their specific emphasis area. Students integrate theory and clinical competencies to provide preventative care, health promotion, health education, health systems leadership, policy and evidence-based care populations.

NURSE 6950 Advanced Nursing Practice: 4 semester hours
Prerequisites: NURSE 6739, NURSE 6743, NURSE 6746. Advanced nursing practice examines different nursing and interdisciplinary models of case management of acute and chronic problems across the lifespan. The intensive clinical experience focuses on the student's specialty care area: adults, pediatric or women's health.

NURSE 6951 Advanced Intensive Clinical for the Nurse Educator: 2 semester hours
Prerequisites: NURSE 6520, NURSE 6524, NURSE 6309. This course provides a concentrated opportunity to function in an advanced nursing role as a nurse educator incorporating an intensive clinical experience focusing on the student's chosen population.

NURSE 6952 Synthesis Practicum: 3 semester hours
Prerequisites: All required courses in the Nurse Educator or Nursing Leadership of Health Systems option or consent of instructor. This clinical course is a concentrated opportunity to function in an advanced nursing role as a nurse administrator, integrating clinical and functional role activities within a chosen setting. Emphasis includes educator or administrator nursing practice, functional role responsibilities, and activities with emphasis on their relationship to client outcomes.

NURSE 6954 Advanced Practice Nursing: Residency I: 3-4 semester hours
Prerequisites: NURSE 6738, NURSE 6740, NURSE 6742, NURSE 6744, NURSE 6747 or the consent of the Program Director. This clinical course provides precepted experiences that allow students to continue to develop the nurse practitioner role and clinical competencies within their specific emphasis area. Students integrate theory and clinical competencies to provide preventative care, health promotion, health education and evidence-based care for acute, chronic and mental health conditions for individuals and families.

NURSE 6955 Advanced Practice Nursing: Residency II: 3-6 semester hours
Prerequisites: NURSE 6954 or the consent of the Program Director. This clinical course provides a continuation of precepted experiences that allow students to develop the nurse practitioner role and clinical competencies within their specific emphasis area. Students integrate theory and clinical competencies to provide preventative care, health promotion, health education and evidence-based care for acute, chronic and mental health conditions for individuals and families.

NURSE 7200 State of the Science in Nursing Research and Practice: 3 semester hours
Prerequisites: Consent of Program Director. This course examines the state of scientific knowledge in nursing research and practice. Gaps in the nursing research and practice are identified. Interrelationships between nursing science and scientific developments in other disciplines from the perspectives of health outcomes, population health indices, and policy implications of scientific progress are analyzed. Advances in biophysical, psychosocial, sociocultural, health systems, and health economics research and the implications for translation to improve nursing science and practice are analyzed.

NURSE 7209 Role of the DNP: 3 semester hours
Prerequisites: Consent of Program Director. This course provides students with the opportunity to synthesize and analyze knowledge of the DNP role within a specified population focus and role. The overview of selected theories and frameworks that can be used to guide advanced practice nurses and nursing leaders in facilitating the use of evidence-based practice, understanding cultural aspects of care, and framing situational awareness. Core concepts include the regulatory, legislative, and professional influences of advanced nursing practice. Emphasis includes sub-roles of the doctorally prepared nurse including: Advanced Practice Registered Nurse (APRN), leader, consultant, expert, researcher, and educator.

NURSE 7210 Biostatistics I: 3 semester hours
Prerequisites: Consent of Program Director. This course provides a foundational understanding of the use of biostatics in conducting research. Types of data, data description, logic of sampling and test statistics, hypothesis testing, type 1 and type 2 errors, covariates and confounding variables, and clinical versus statistical significance are included. Opportunities will be provided to gain skills conducting statistical analysis using SPSS, interpreting the results of analytic processes, and applying the results to common health and illness examples encountered in research publications.

NURSE 7211 Biostatistics II: 3 semester hours
Prerequisites: Admission to PhD program. This course builds on statistical procedures and advances the student's understanding of advanced statistical methods including design and measurement.

NURSE 7220 Leadership in Practice: 3 semester hours
Prerequisites: Consent of Program Director. This course provides students with the opportunity to develop and refine critical leadership skills by focusing on improving the health of individuals and populations. The course uses a combination of didactic lectures, case-based learning and experiential exercises to explore leadership competencies including change management, strategy implementation, quality improvement, effective communication, team dynamics, and systems thinking. Emphasis is on using models and theories that facilitate inter-professional collaboration to achieve optimal health outcomes. The focus is effective communication and leadership methods necessary to establish successful inter-professional teams. Students will enhance skills in verbal, written and electronic communication; team leadership; and creating and sustaining health related initiatives. Through advanced understanding of the inter-professional dimension of healthcare, students will facilitate collaboration and remove barriers to providing safe, timely, effective, efficient, equitable and patient centered care in healthcare systems.

NURSE 7230 Epidemiology: 3 semester hours
Prerequisite: NURSE 7211 or Consent of Program Director. This course covers epidemiology, logistic modeling, and public health surveillance in primary healthcare. It provides an introduction into investigation of outbreaks. The course will enable the healthcare professional to develop a knowledge base to address issues of health and illness of a population.
NURSE 7240 Health Informatics: 3 semester hours
Prerequisites: Consent of the Program Director. This course explores information systems and computer technologies that can improve the health of individuals, families, communities, and populations by optimizing information management and communication. Focus areas include the electronic medical record, technologies to improve patient safety, standards for privacy and security, tele-health systems to improve healthcare access to underserved populations, use of web-enhanced technologies for research translation, and strategies to provide data for decision making and evidence-based databases. Emphasis is placed on developing competence in technology use for the purpose of program evaluation, establishing healthcare quality, and improving healthcare delivery to diverse populations in complex healthcare settings.

NURSE 7251 Healthcare Economics: 3 semester hours
Prerequisites: Consent of Program Director. This course introduces the student to the basic economic concepts and analytical methods used to understand, analyze, and evaluate economic aspects across various sectors of the healthcare system including clinics, underserved and rural populations, the role of government in the delivery of healthcare services, and the economic aspects of healthcare reform. The course applies tools of analysis to the behavior of households, healthcare providers, health insurance organizations, pharmaceutical industries, and not-for-profit and federally-funded clinics.

NURSE 7260 Program Evaluation and Quality Management in Healthcare: 3 semester hours
Prerequisite: None. This course introduces students to the principles and procedures for assessing the quality and effectiveness of programs, projects, and materials related to planned interventions and systems changes in health settings. An overview is provided of past and current strategies to define and assess the quality of healthcare delivery using tools required to examine, evaluate, and implement the key structures and processes of quality improvement programs in healthcare organizations. Practical applications that prepare the participants to use the theory and techniques of quality improvement in situations with complex clinical and managerial implications will be incorporated.

NURSE 7270 Policy Application for Improved Health Outcomes: 3 semester hours
Prerequisites: NURSE 6106 or equivalent and NURSE 7230. Students learn how to effectively translate and disseminate knowledge from nursing and other health sciences to policy makers and stakeholders in order to form collaborations to affect change at various levels of the policy process. Topics to be covered include policy analysis, policy development, collaboration and negotiation specific to the policy process, building social and political capitol and garnering resources to assure effective policy implementation. Students will utilize population health data, policy analysis, and policy development skills to define, shape and implement culturally competent health policy.

NURSE 7291 DNP Capstone I: 3 semester hours
Prerequisites: Consent of Program Director. This experience provides additional opportunities for practice expertise development to create change in a targeted population and complex healthcare environments. Students will develop skills to assess and diagnose healthcare systems and identify evidence-based strategies to improve health outcomes. This experience includes immersion in their population-focused scholarly project.

NURSE 7292 DNP Capstone II: 3 semester hours
Prerequisites: Consent of Program Director. This experience provides additional opportunities for practice expertise development to create change in a targeted population and complex healthcare environments. Students will develop skills to assess and diagnose healthcare systems and identify evidence-based strategies to improve health outcomes. This experience includes immersion in their population-focused scholarly project.

NURSE 7293 DNP Capstone III: 2 semester hours
Prerequisites: Consent of Program Director. This experience provides additional opportunities for the development of practice expertise to create change in a targeted population and complex healthcare environments. Students will develop skills to assess and diagnose healthcare systems and identify evidence-based strategies to improve health outcomes. This experience includes immersion in their population-focused scholarly project.

NURSE 7299 DNP Seminar: 1-3 semester hours
Prerequisites: All DNP required course work or Consent of Instructor. This seminar provides students with the opportunity to synthesize and analyze knowledge within the context of the emerging DNP role. Analysis of practice issues may include reflective practice, collaboration, health systems technology, ethics and policy.

NURSE 7300 Prevention of Injury and Disability: 3 semester hours
Prerequisites: Graduate status or consent of instructor. This course will examine trends in injury and disability nationally and internationally, relevant theories and conceptual models, the definition and measurement of key concepts, and analysis of interventions proposed for preventing injury and mitigating disability. The role of information and computer technologies in the management of disability will also be considered. Specific content will include age-related injury and disability, disability associated with cardiovascular and other chronic diseases, and the psychosocial contexts of disability, including traumatic stress and its outcomes.

NURSE 7401 Research Institute I: 2 semester hours
Prerequisites: Admission to Doctorial Study in Nursing. This course provides an introduction to the process of becoming a research scientist or translational investigator. Content will include the responsible conduct of research, its core elements, relevant policies and procedures, and relevant research. This course also includes the culture of nursing, literature reviews, scholarly writing, technology in the research process, developing research. This course also includes the culture of nursing, literature reviews, scholarly writing, technology in the research process, developing a program of scholarship and effective time management.

NURSE 7403 Developer of the Nurse Scientist: 3 semester hours
Prerequisite: Admission to doctoral study in nursing. This course addresses the role of the PhD-prepared nurse as scientist, leader, academician, and policy maker. Students will analyze strategies for lifelong learning and development as nurse scientists and will explore avenues for building their programs of scholarship, funding opportunities, and contributing to nursing science in policy and clinical practice. Students will examine ways to collaborate effectively in order to improve health care and health outcomes.

NURSE 7443 Healthcare Policy: 3 semester hours
Prerequisites: Graduate Standing and Consent of the Program Director. This is a survey course examining current issues in healthcare policy that face the nation. Policies are placed in a historical context to show how issues have been influenced by different political and economic conditions. Secondary consequences and limitations of current trends in healthcare policy are explored.
NURSE 7480 Guided Nursing Research Seminar: 1-6 semester hours  
Prerequisite: Consent of instructor. Provides opportunity to work in collaboration with faculty and peers on a focused research topic relevant to nursing.

NURSE 7481 Development Of Nursing Science And Theory: 3 semester hours  
Prerequisite: Admission to PhD Program. This course focuses on the discipline of nursing, including the evolution of the state of scientific inquiry and knowledge development in nursing. The course includes the aims of nursing science, the nature of nursing knowledge and scientific theories, and a discussion of relationships among theory, research, method, and practice. Students engage in constructive dialogue as they begin to conceptualize nursing phenomena in their area of interest.

NURSE 7488 Qualitative Methods In Nursing Research: 3 semester hours  
Prerequisites: Admission to PhD program. Examines the relationship between theoretical and philosophical perspectives and selection of appropriate methodologies in research design. Critically explores issues related to innovations in traditional qualitative designs and emerging technologies, rigor and validity, and role of interpretive research in nursing science.

NURSE 7490 Advanced Nursing Research Designs and Methods: 3 semester hours  
Prerequisite: Admission to the PhD program. This course focuses on development of the research plan including issues in sampling, design, and implementation nursing research. Students will evaluate research methods to answer research questions in their area of interest. Content includes design and analysis issues affecting validity, examination of measurement techniques for assessing validity, reliability, structure of data collection instruments, and criteria for instrument selection. A research proposal will be prepared.

NURSE 7491 Advanced Nursing Theory Development And Validation: 3 semester hours  
Prerequisite: Admission to PhD program. This course focuses on a systematic study of contemporary nursing science and related theories in knowledge development, and the application of theory construction and validation strategies to specific nursing phenomena of interest. Students create and critically examine theoretical frameworks and models, with emphasis placed on constructing and testing theoretical statements.

NURSE 7498 Doctoral Seminar: 1-12 semester hours  
Prerequisite: Consent of instructor. Presentation and discussion of pertinent methodological and clinical issues related to doctoral research.

NURSE 7499 Dissertation Research: 1-12 semester hours  
Prerequisite: All required course work; successful completion of comprehensive examination. Investigation of an advanced nature culminating in successful defense of dissertation. Continuous registration is required.

NURSE 7530 Assessment of Community Health and Infrastructure: 3 semester hours  
Prerequisites: Consent of Program Director. This course will introduce community health assessment and community infrastructure assessment. Participants will be introduced to the information and the resources available to secure and improve resilience in the community's healthcare and public health infrastructure. Participants will also be given an opportunity to work on a community-based health assessment project in conjunction with a community partner. Much of the experience will be practical and hands-on. Participants may be asked to work with a new project or join in an ongoing project.