Nursing (M.S.N.)

School Director
Dr. Julie Sanford

Graduate Program Director
Dr. Melody Eaton

D.N.P. Program Coordinator
Dr. Linda Hulton

Nurse Practitioner Program Coordinator
Dr. Andrea Knopp

Leadership (CNL/NA) Programs Coordinator
Dr. Joe Tacy

Phone: (540) 568-6314
Website: http://www.nursing.jmu.edu

Professors
M. deValpine, M. Eaton, L. Hulton, J. Sanford

Associate Professors

Assistant Professors
D. Gleason, A. Graham, J. Harnage, E. Lewis

Instructors
S. Stowell, J. Tacy

Print Version of Catalog

Mission

We engage students, faculty and communities through dynamic and innovative nursing education, practice and scholarship to influence health in our world.

Purposes

In order to support and accomplish this mission the nursing faculty has identified the following purposes:
• Prepare nursing professionals who provide culturally competent, holistic, evidence-based nursing care to individuals, families, aggregates and communities in a wide variety of settings.
• Promote a community of learning that models professional values and lifelong professional development for both faculty and students.
• Promote service-learning activities that include collaborative, interdisciplinary initiatives and partnerships between nursing education and the practice arena to meet the future health needs of consumers.
• Conduct research and creative scholarship to generate nursing knowledge and disseminate that knowledge through collaboration, publication and presentations.

Accreditation

The master of science in nursing and the doctor of nursing practice programs are accredited by the Commission on Collegiate Nursing Education, One Dupont Circle, NW, Suite 530, Washington, DC 20036, 202-887-6791.

Programs of Study

The James Madison University School of Nursing offers a Master of Science in Nursing and Doctor of Nursing Practice (D.N.P.).

The concentrations within the M.S.N. are:

- Adult/Gerontology Primary Care Nurse Practitioner (AGPCNP)
- Clinical Nurse Leader (CNL)
- Family Nurse Practitioner (FNP)
- Nurse Administrator (NA)
- Nurse Midwifery (in conjunction with Shenandoah University)
- Psychiatric Mental Health Nurse Practitioner (in conjunction with Shenandoah University)

The D.N.P. at JMU is a practice-focused degree with an emphasis on the rigor of evidence-based practice grounded in research knowledge and the analysis of clinical and systems data. Students may choose from two areas of foci:

- Advanced Practice Nursing
- Leadership in Healthcare Systems

A differential tuition fee of $90 per credit hour is added to the standard charge for courses carrying the NSG prefix. This charge applies to all students, both in-state and out-of-state, at the undergraduate and graduate levels, with the exception of students enrolled in the R.N. to B.S.N. program.

Doctorate of Nursing Practice

The D.N.P. program prepares students to influence policy and lead healthcare innovation at the highest organizational level, while allowing students to focus on a particular specialty area. The D.N.P. nurse impacts the practice of nursing,
the healthcare delivery system and the shaping of health policy by providing the environment, resources and knowledge needed to provide high quality patient and family-centered nursing care and to practice as a professional within an interprofessional team. The program's curriculum consists of 31 to 44 credit hours, including 1,000 course-related practice hours post-B.S.N., depending on review of the applicant's transcripts.

Admission

To be considered for admission to the D.N.P. program prospective students must:

• Hold a master's degree in nursing with a minimum 3.2 GPA for graduate work.
• Advanced Specialty Certification. For Nurse Administrator applicants, national certification is desired but not required. Other applicants should have the APRN (Advanced Practice Registered Nurse) designation in their home states and national board certification as a Clinical Nurse Specialist, Nurse Practitioner, Certified Nurse Midwife, Clinical Nurse Leader, or Certified Registered Nurse Anesthetist in their areas of specialty (as appropriate). Applicants without national certification will be individually evaluated but must submit evidence of their specialty expertise
• Have an unencumbered registered nurse licensure.
• Complete the online application for The Graduate School.
• Be admitted to The Graduate School.
• Have relevant clinical experience.
• Meet the school’s technical standards for admission.
• Meet the school’s disability accommodation standards.
• Provide a current resume or curriculum vitae
• Complete an interview upon request.
• Have health documentation and CPR certification.
• Statement of Professional Goals
• Provide three letters of recommendation: One from an academic reference; one from a current clinical supervisor and one from an additional academic or clinical reference.
• For international students, provide evidence of passing grade on CGFNS exam (both parts) or IELFS score of at least 7.0, apply for VA RN license (TOEFL 570 required). Contact program director for more information. Additional documentation will be required upon admission.

Application Deadline

Applications are processed on a rolling admission basis until the class fills. Applicants who apply prior to August 1 will be given first consideration.

Application Evaluation Criteria

Evaluation criteria includes previous academic and scholarly work, professional experience, professional references, and a professional goal statement and its relationship to both the mission of the School of Nursing and the area of scholarly inquiry focus. Professional references will be reviewed, and an interview may be required.
Doctorate of Nursing Practice Requirements

All D.N.P. students complete the graduate courses.

Graduate Courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>NSG 650</td>
<td>Organizational Behavior in Health Care</td>
<td>3</td>
</tr>
<tr>
<td>NSG 690</td>
<td>Epidemiology and Population Assessment</td>
<td>3</td>
</tr>
<tr>
<td>NSG 692</td>
<td>Health Policy for Practice and Advocacy</td>
<td>3</td>
</tr>
<tr>
<td>NSG 711</td>
<td>Analytic Methods for Health Care</td>
<td>3</td>
</tr>
<tr>
<td>NSG 712</td>
<td>Issues and Methods in Translational Inquiry</td>
<td>3</td>
</tr>
<tr>
<td>NSG 713</td>
<td>Evidence Based Practice: Clinical Prevention and Population Health</td>
<td>3</td>
</tr>
<tr>
<td>NSG 714</td>
<td>Evidence Based Practice: Chronic Illness</td>
<td>3</td>
</tr>
<tr>
<td>NSG 771</td>
<td>Advanced Practicum I(^1)</td>
<td>3-5</td>
</tr>
<tr>
<td>NSG 772</td>
<td>Advanced Practicum II(^1)</td>
<td>3-5</td>
</tr>
<tr>
<td>NSG 773</td>
<td>Advanced Practicum III(^1)</td>
<td>3-5</td>
</tr>
<tr>
<td>NSG 800</td>
<td>Capstone Project</td>
<td>4</td>
</tr>
<tr>
<td>Cognates(^2)</td>
<td></td>
<td>6</td>
</tr>
</tbody>
</table>

1 The D.N.P. requires 1000 course-related practice hours post B.S.N. to D.N.P. Post-master’s students will have completed a variable number of M.S.N. contact hours.  
2 Cognate courses can be taken any semester, including summer.  
3 Up to nine credits may be transferred.

Master of Science in Nursing

The James Madison University School of Nursing offers a Master of Science in Nursing degree with concentrations offered as:

- Adult/Gerontology Primary Care Nurse Practitioner (AGPCNP)  
- Clinical Nurse Leader (CNL)  
- Family Nurse Practitioner (FNP)  
- Nurse Administrator (NA)  
- Nurse Midwifery (in conjunction with Shenandoah University)  
- Psychiatric Mental Health Nurse Practitioner (PMHNP) (in conjunction with Shenandoah University)

All concentrations are designed to meet the Essentials of Masters Education in Nursing (AACN, 2011). Students are admitted for full-time or part-time study. Full-time students can complete the program in four full-time academic semesters. The AGPCNP concentration requires 46 credits. The AGPCNP concentration meets the competencies outlined by the National Organization of Nurse Practitioners (NONPF) and the American Association of Colleges of Nursing (AACN). Students complete 650 contact practicum hours. Graduates of the nurse practitioner concentrations are eligible to take the appropriate certification examination through the American Academy of Nurse Practitioners, or the American Nurses Credentialing Center (ANCC).

The leadership options are Clinical Nurse Leader (CNL), which requires 38 credit hours or Nurse Administrator (NA), which requires 32 credit hours of study. Graduates of
the CNL concentration are prepared to provide leadership in providing direct clinical care. The NA concentration prepares graduates to assume management positions within health care organizations. Students are admitted for full-time or part-time study. The CNL option is designed to meet the competencies established by the American Association of Colleges of Nursing (AACN); and the Nurse Administrator is designed to meet the competencies established by the American Organization of Nurse Executives (AONE). Students complete 400 hours of practicum experience. Graduates of the CNL program are eligible to take the CNL certification examination offered by the Commission on Nurse Certification. Graduates of the NA concentration are eligible to take the Advanced Nurse Executive certification examination through the American Nurses Credentialing Center after holding an executive administrative position for 24 months.

The Nurse Midwifery concentration is offered in conjunction with Shenandoah University. Students complete the first year of study (22 credits) at James Madison University, and the second year of study at Shenandoah University (19 credits). The JMU credits may be taken part-time or full-time. The second year of nurse midwifery courses is taken in full-time study at Shenandoah University. Student will graduate with a degree from James Madison University and a Post Graduate Certificate in Nurse Midwifery from Shenandoah University.

The Psychiatric Mental Health concentration is offered in conjunction with Shenandoah University. Students complete the first year of study (22 credits) at James Madison University, and the second year of study at Shenandoah University (29 credits). The JMU credits may be taken part-time or full-time. The second year of psychiatric mental health courses is taken in full-time study at Shenandoah University. Student will graduate with a degree from James Madison University and a Post Graduate Certificate in Psychiatric Mental Health from Shenandoah University.

Admission

To be considered for admission to the M.S.N. program prospective students must:

- Hold a current Registered Nurse license.
- Complete the online application for The Graduate School.
- Be admitted to The Graduate School.
- Hold a Bachelor of Science in Nursing (B.S.N.) or a baccalaureate degree in another field with a cumulative GPA of 2.8.
- Provide official MAT or GRE scores.
- Have relevant clinical experience.
- Have taken undergraduate courses in statistics and health assessment with a grade of "C" or higher.
- Meet the school’s disability accommodation standards.
- Complete an interview upon request.
- Have health documentation and CPR certification.
- Foreign school graduates: Pass CGFNS Exam, R.N. License, TOEFL (Paper: 570 or higher; Electronic: 88 or higher).
- Additional documentation will be required upon admission.
Application Deadline

Applications are processed on a rolling admission basis until the class fills. Applicants who apply prior to April 1 will be given first consideration. Full and part-time students will enter the program in the fall or spring semester of each year.

Application Evaluation Criteria

Evaluation criteria includes previous academic and scholarly work, professional experience, MAT or GRE standardized test results, professional references, and a personal and professional goal statement and its relationship to the mission of the School of Nursing. Professional references will be reviewed, and an interview may be required.

Master of Science in Nursing Requirements

All M.S.N. students complete the graduate core courses.

<table>
<thead>
<tr>
<th>Graduate Core Courses</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>NSG 520. Advanced Health Assessment⁴</td>
<td>3</td>
</tr>
<tr>
<td>NSG 521. Advanced Concepts in Pathophysiology⁴</td>
<td>3</td>
</tr>
<tr>
<td>NSG 522. Advanced Clinical Pharmacotherapeutics⁴</td>
<td>3</td>
</tr>
<tr>
<td>NSG 611. Research for the Advanced Health Professional</td>
<td>3</td>
</tr>
<tr>
<td>NSG 612. Theoretical Foundations of Advanced Nursing Practice</td>
<td>3</td>
</tr>
<tr>
<td>NSG 690. Epidemiology and Population Assessment</td>
<td>3</td>
</tr>
<tr>
<td>NSG 692. Health Policy for Practice and Advocacy</td>
<td>3</td>
</tr>
</tbody>
</table>

1 NA concentration does not require NSG 520, NSG 521 or NSG 522.

Adult/Gerontology Primary Care Nurse Practitioner (AGPCNP) Curriculum

<table>
<thead>
<tr>
<th>Courses</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nursing Core Courses</td>
<td>21</td>
</tr>
<tr>
<td>NSG 630. Care Delivery and Coordination I</td>
<td>4</td>
</tr>
<tr>
<td>NSG 631. Care Delivery and Coordination II</td>
<td>4</td>
</tr>
<tr>
<td>NSG 632. Coordinated Care of the Elderly</td>
<td>3</td>
</tr>
<tr>
<td>NSG 634. Role of the Advanced Practice Nurse</td>
<td>1</td>
</tr>
<tr>
<td>NSG 671. Practicum I (150 practicum hours)</td>
<td>3</td>
</tr>
<tr>
<td>NSG 672. Practicum II (250 practicum hours)</td>
<td>5</td>
</tr>
<tr>
<td>NSG 673. Practicum III (250 practicum hours)</td>
<td>5</td>
</tr>
</tbody>
</table>

46
# Clinical Nurse Leader (CNL) Curriculum

<table>
<thead>
<tr>
<th>Courses</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nursing Core Courses</td>
<td>21</td>
</tr>
<tr>
<td><strong>NSG 650.</strong> Organizational Behavior in Health Care</td>
<td>3</td>
</tr>
<tr>
<td><strong>NSG 651.</strong> Leadership Development</td>
<td>3</td>
</tr>
<tr>
<td><strong>NSG 653.</strong> Educational Methodologies for Nurse Leaders</td>
<td>3</td>
</tr>
<tr>
<td><strong>NSG 676.</strong> Clinical Nurse Leader Practicum I (200 practicum hours)</td>
<td>4</td>
</tr>
<tr>
<td><strong>NSG 677.</strong> Clinical Nurse Leader Practicum II (200 practicum hours)</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>38</td>
</tr>
</tbody>
</table>

# Family Nurse Practitioner (FNP) Curriculum

<table>
<thead>
<tr>
<th>Courses</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nursing Core Courses</td>
<td>21</td>
</tr>
<tr>
<td><strong>NSG 630.</strong> Care Delivery and Coordination I</td>
<td>4</td>
</tr>
<tr>
<td><strong>NSG 631.</strong> Care Delivery and Coordination II</td>
<td>4</td>
</tr>
<tr>
<td><strong>NSG 632.</strong> Coordinated Care of the Elderly</td>
<td>4</td>
</tr>
<tr>
<td><strong>NSG 634.</strong> Role of the Advanced Practice Nurse</td>
<td>1</td>
</tr>
<tr>
<td><strong>NSG 635.</strong> Family Centered Care Delivery</td>
<td>3</td>
</tr>
<tr>
<td><strong>NSG 671.</strong> Practicum I (150 practicum hours)</td>
<td>3</td>
</tr>
<tr>
<td><strong>NSG 672.</strong> Practicum II (250 practicum hours)</td>
<td>5</td>
</tr>
<tr>
<td><strong>NSG 673.</strong> Practicum III (250 practicum hours)</td>
<td>5</td>
</tr>
<tr>
<td></td>
<td>49</td>
</tr>
</tbody>
</table>

# Nurse Administrator (NA) Curriculum

<table>
<thead>
<tr>
<th>Courses</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nursing Core Courses</td>
<td>12</td>
</tr>
<tr>
<td><strong>NSG 650.</strong> Organizational Behavior in Health Care</td>
<td>3</td>
</tr>
<tr>
<td><strong>NSG 651.</strong> Leadership Development</td>
<td>3</td>
</tr>
<tr>
<td><strong>NSG 655.</strong> Concepts for Nurse Administrators</td>
<td>3</td>
</tr>
<tr>
<td><strong>NSG 678.</strong> Nursing Administration Practicum I (200 practicum hours)</td>
<td>4</td>
</tr>
<tr>
<td><strong>NSG 679.</strong> Nursing Administration Practicum II (200 practicum hours)</td>
<td>4</td>
</tr>
<tr>
<td>Graduate Elective</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>32</td>
</tr>
</tbody>
</table>

# Nurse Midwifery Curriculum

<table>
<thead>
<tr>
<th>Courses Taken at JMU</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nursing Core Courses</td>
<td>21</td>
</tr>
<tr>
<td><strong>NSG 634.</strong> Role of the Advanced Practice Nurse</td>
<td>1</td>
</tr>
<tr>
<td><strong>NSG 520.</strong> Advanced Health Assessment¹</td>
<td>3</td>
</tr>
<tr>
<td><strong>NSG 521.</strong> Advanced Concepts in Pathophysiology¹</td>
<td>3</td>
</tr>
<tr>
<td><strong>NSG 522.</strong> Advanced Clinical Pharmacotherapeutics¹</td>
<td>3</td>
</tr>
<tr>
<td><strong>NSG 611.</strong> Research for the Advanced Health Professional</td>
<td>3</td>
</tr>
<tr>
<td><strong>NSG 690.</strong> Epidemiology and Population Assessment</td>
<td>3</td>
</tr>
<tr>
<td><strong>NSG 692.</strong> Health Policy for Practice and Advocacy</td>
<td>3</td>
</tr>
</tbody>
</table>
Courses Taken at Shenandoah University

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>NM 610</td>
<td>Primary Care of Women</td>
<td>2(1)</td>
</tr>
<tr>
<td>NM 620</td>
<td>Comprehensive Antepartal Care</td>
<td>2(1)</td>
</tr>
<tr>
<td>NM 630</td>
<td>Midwifery Practicum</td>
<td>(3)</td>
</tr>
<tr>
<td>NM 640</td>
<td>Comprehensive Perinatal Care</td>
<td>2(1)</td>
</tr>
<tr>
<td>NM 651</td>
<td>Integrated Midwifery Internship</td>
<td>(5)</td>
</tr>
<tr>
<td>NM 652</td>
<td>Evidence-Based Practice Project</td>
<td>1</td>
</tr>
<tr>
<td>NM 660</td>
<td>NM Role Development</td>
<td>1</td>
</tr>
</tbody>
</table>

Psychiatric Mental Health Curriculum

Courses Taken at JMU

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Nursing Core Courses</td>
<td>21</td>
</tr>
<tr>
<td>NSG 634</td>
<td>Role of the Advanced Practice Nurse</td>
<td>1</td>
</tr>
</tbody>
</table>

Courses Taken at Shenandoah University

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HP 576</td>
<td>Substance and Relationship Abuse</td>
<td>3</td>
</tr>
<tr>
<td>NPS 570</td>
<td>Applied Pharmacology and Therapeutics</td>
<td>1.5(.5)</td>
</tr>
<tr>
<td>NPS 580</td>
<td>Advanced Health Assessment Practicum</td>
<td>(1)</td>
</tr>
<tr>
<td>PMH 686</td>
<td>Child and Adolescent PMH Nursing</td>
<td>3</td>
</tr>
<tr>
<td>PMH 640</td>
<td>Individual Therapy Theories</td>
<td>3</td>
</tr>
<tr>
<td>PMH 650</td>
<td>Individual Therapy Practicum</td>
<td>(3)</td>
</tr>
<tr>
<td>PMH 685</td>
<td>Geriatric PMH Nursing</td>
<td>3</td>
</tr>
<tr>
<td>PMH 660</td>
<td>Group, Family, Community Theory</td>
<td>3</td>
</tr>
<tr>
<td>PMH 670</td>
<td>Group, Family, Community Practicum</td>
<td>(3)</td>
</tr>
<tr>
<td>PMH 690</td>
<td>Advanced Nurse Practitioner Role Development</td>
<td>1</td>
</tr>
<tr>
<td>PMH 695</td>
<td>Advanced Nurse Practitioner Practicum in PMH Nursing</td>
<td>4</td>
</tr>
<tr>
<td>PMH 699</td>
<td>Independent Study Optional clinical hours</td>
<td>(3)</td>
</tr>
</tbody>
</table>

21.5 (7.5-10.5)

Course Offerings

School of Nursing

**NSG 520. Advanced Health Assessment.** 3 credits.
This course provides advanced knowledge and health assessment skills. Emphasis is placed on interviewing, history taking, physical assessment and diagnosis based on clinical findings. Normal and abnormal health assessment findings are emphasized. Characteristics of clients from diverse ethnic and cultural backgrounds and age groups are considered. Considerations for the aging client are emphasized. Classroom activities focus primarily on assessments that require history-taking skills and utilize organizing theory and frameworks. Labs focus on the knowledge and skills for history-taking and physical examination.

**NSG 521. Advanced Concepts in Pathophysiology.** 3 credits.
An advanced, clinically-oriented study of human physiology and the alterations in body functions that underlie diseases in humans. **Prerequisite:** Admission to the Graduate Nursing program.

**NSG 522. Advanced Clinical Pharmacotherapeutics. 3 credits.**
Building upon the knowledge of pharmacology learned at the undergraduate level. This course examines concepts in pharmacotherapeutics necessary for advanced nursing practice. Emphasis will be placed on pharmacokinetics and pharmacodynamics of important classes of drugs. Considerations for the aging client will be highlighted. Case studies will provide an opportunity for critical thinking, clinical application and care coordination.

**NSG 611. Research for the Advanced Health Professional. 3 credits.**
This course will provide a foundation for the examination of components of the nursing research process. Integrative review methodologies and evidence-based practice models will be emphasized. Skills needed to build and assimilate knowledge for improving practice outcomes will be highlighted.

**NSG 612. Theoretical Foundations of Advanced Practice Nursing. 3 credits.**
This course provides students with an opportunity to analyze and utilize nursing models and theories to explain advanced nursing practice. Students will explore advanced practice nursing from a theoretical standpoint and identify strategies for evaluating selected models and theories.

**NSG 630. Care Delivery and Coordination I. 4 credits.**
This course focuses on the evaluation, management and care coordination for clients with common acute health deviations across the adult lifespan within a variety of contexts. The course builds on knowledge and skills from advanced health assessment and pathophysiology. Emphasis is placed on formulating diagnoses and plans of care that encompass client, family and coordinated systems of care. **Corequisite or prerequisites:** NSG 520, NSG 521.

**NSG 631. Care Delivery and Coordination II. 4 credits.**
This course focuses on the evaluation, management and coordination of care for adolescent and adult clients with common chronic health deviations within a variety of contexts. The course builds on knowledge and skills from advanced health assessment, pathophysiology, and pharmacology and ethics. Emphasis is placed on formulating diagnoses and developing plans of care that encompass clients, families and community resources. **Prerequisites:** NSG 520, NSG 521; Co-requisite NSG 522.

**NSG 632. Coordinated Care of the Elderly. 3 credits.**
This course focuses on the health issues and needs of older adults and principles for evaluating, managing, and coordinating their care. Students will differentiate normal changes and symptoms of aging from disease-related symptoms, focusing on the achievement of optimal health and function for older adults. Emphasis is on the collaborative role of advanced practice nurses in assisting older adults and family caregivers from diverse ethnic and cultural backgrounds to negotiate health care delivery systems. **Prerequisites or corequisites:** NSG 520, NSG 521 and NSG 522.

**NSG 634. Role of the Advanced Practice Nurse. 1 credit.**
This course will focus on historical and developmental aspects and competencies of advance practice nursing (APN), and the continuing evolution of the APN role. Students will explore the varied roles that APNs assume in the health care system and the legal and ethical considerations for advanced practice.
**NSG 635. Family Centered Care Delivery.** 3 credits.
This course focuses on care given to the family unit and individuals within the family unit. Family theory, assessment and management will be emphasized. Emphasis will be placed on assessment and care of the childbearing family and the family with young children. Individual care will focus on the pregnant woman, the newborn, infant, toddler, preschool and school age child (up to adolescence). This course builds on knowledge and skills from advanced health assessment, pathophysiology and pharmacology. **Prerequisites:** NSG 520, NSG 521, and NSG 522.

**NSG 650. Organizational Behavior in Health Care.** 3 credits.
This course focuses on theories, research, and frameworks that enhance the advanced practice nurse’s understanding of behavior, leadership, and management in interprofessional health care teams and organizations. Emphasis is on the “micro” and “macro” level issues and their implications for interprofessional behavior management and change in health care systems.

**NSG 651. Leadership Development.** 3 credits.
This course focuses on developing knowledge and understanding of nurse leader roles. Leadership theory and interdisciplinary team decision making in culturally diverse healthcare settings are reviewed. Aspects of leadership in relation to the utilization of current research-based information to plan for the design, implementation and evaluation of client-centered care will be examined.

**NSG 653. Educational Methodologies for Nurse Leaders.** 3 credits.
In this online course, students will learn to use educational principles, strategies, and technologies to provide evidence-based teaching to patients and the inter-professional health care team. Teaching and learning to improve health care quality and safety will be emphasized.

This course provides a synthesis of concepts used for effective performance of the nurse administrator’s role in organizations. The use of human and financial resources is examined within an organizational framework and the strategic management of organizational goals, culture and diversity is highlighted. **Corequisites:** NSG 650 and NSG 651.

**NSG 671. Practicum I.** 3 credits.
Emphasizes advanced practice role development, complex and holistic client/family care, health promotion/ maintenance and care coordination. Practicum is individualized and will highlight the advanced practice roles of clinician, manager, consultant, educator and researcher. Clinical competencies will be emphasized to prepare the student for nurse practitioner certification. **Prerequisites:** NSG 520, NSG 521 and NSG 630. **Corequisite:** NSG 522.

**NSG 672. Practicum II.** 5 credits.
Emphasis will be placed upon the application of clinical skills, theories, concepts, issues and research findings to the clinical care of children, adolescents, adults and/or older adults. Care coordination issues will be addressed as they specifically impact diverse populations in all care settings. Clinical competencies will be emphasized to prepare the student for nurse practitioner certification. **Prerequisites:** NSG 630 and NSG 671.

**NSG 673. Practicum III.** 5 credits.
Continues emphasis on the application of clinical skills, theories, concepts, issues and research findings to the clinical care of children, adolescents, adults and/or older adults. Care coordination issues will be addressed as they specifically impact the selected population. Clinical competencies will be emphasized to prepare the student for nurse practitioner certification. Prerequisites: NSG 631 and NSG 672.

**NSG 676. Clinical Nurse Leader Practicum I.** 4 credits.
This course provides opportunities to apply and integrate leadership knowledge and concepts through an immersion experience. Emphasis is on improving outcomes for patients and/or a clinical area as an information manager. Interventions for health care/education, disease prevention, and risk reduction will be implemented that promote safe, quality care. Prerequisites: NSG 650 and NSG 651. Corequisites: NSG 653.

**NSG 677. Clinical Nurse Leader Practicum II.** 4 credits.
This course provides opportunities to apply and integrate knowledge and concepts through an immersion experience. Emphasis is on delivery systems and functions that impact patient safety and quality of care. System analysis/risk anticipation, technology utilization, and/or resource management are explored. Prerequisites: NSG 650 and NSG 651. Corequisites: NSG 653.

**NSG 678. Nursing Administration Practicum I.** 4 credits.
This practicum course is designed to provide opportunities to apply administrative principles in a health care setting. Emphasis is placed on the effective use of resources to improve client health outcomes. Prerequisites: NSG 650 and NSG 651. Corequisites: NSG 655.

**NSG 679. Nursing Administration Practicum II.** 4 credits.
This practicum course is designed to provide opportunities to apply administrative principles in a health care setting. Emphasis is placed on the organizational environment, and interface with governmental and non-governmental organizations. Prerequisites: NSG 650 and NSG 651. Corequisites: NSG 655.

**NSG 680. Independent Study in Nursing.** 1-3 credits.
This course provides the opportunity for independent study in a specialized area of concentration. It is conducted under the supervision of a faculty member. Prerequisites: Approval of Graduate Program Director.

**NSG 681. Special Topics in Advanced Practice Nursing.** 1-5 credits
The course provides study of specific topics in Advanced Practice Nursing. May be repeated for credit as course content changes. Courses are offered based on faculty and student interests.

**NSG 690. Epidemiology and Population Assessment.** 3 credits.
This course focuses on the distribution of health-related conditions within human populations and factors influencing their distribution. Emphasis is on measurement of the health of populations, the natural history of diseases, study design, and assessment of data sources within the context of interprofessional practice. It addresses health systems that focus on health promotion and disease prevention.

**NSG 692. Health Policy for Practice and Advocacy.** 3 credits.
This course addresses the foundation of health policymaking. It emphasizes policy analysis for interprofessional practitioners in leadership roles. Federal and state policy-making and the mechanisms for health policy change are emphasized. Policy issues impacting health delivery will form the basis for the development of critical understanding of policy development.
NSG 696. Advanced Practicum. 3 or 6 credits.
Emphasis on the application of skills, theories, concepts, issues and research findings
to the clinical care of selected populations in age ranges appropriate for the selected track. Clinical competency for a specific population is emphasized. This course will use clinical preceptors as well as faculty. Prerequisite: NSG 673 or permission of the instructor. For FNP students, corequisite: NSG 635.

NSG 711. Analytical Methods for Health Care. 3 credits.
This course prepares doctoral level practitioners with skills and competencies needed to assimilate knowledge at a high level of complexity focusing upon clinical scholarship in nursing. Students will focus on quantitative, qualitative, and mixed methods to critically appraise available data and research to achieve a better understanding of clinical decision-making and evidence-based practice.

NSG 712. Issues & Methods in Translational Inquiry. 3 credits.
Traditional nursing practice has relied more on experiential wisdom than science to make decisions that affect patient outcomes. This course will build on research methodologies and informatics to analyze and evaluate research underlying evidence-based practice. It will explore models used in the dissemination of knowledge and the translation of research into practice within the context of interprofessional practice.

NSG 713. Evidence Based Practice: Health Promotion. 3 credits.
Health is imperative for quality of life and for economic vitality. This course explores theory development regarding health behavior and strategies for interventions with individuals and populations. Program development, implementation, evaluation and initiatives to reduce risk and improve health status are explored. Evidence based practice to improve clinical preventive services is examined.

NSG 714. Evidence Based Practice: Chronic Illness. 3 credits.
This course addresses best practices for chronic disease care. Chronic Illness is highly prevalent, costly, and preventable. Issues resulting from chronic illness are explored within the context of interprofessional collaboration and care. Theoretical frameworks for chronic illness are reviewed. Standards of care for select chronic illnesses will be compared with evidence-based practice literature.

NSG 771. Advanced Practicum I. 3 credits.
This is the first of three practicum courses designed to help students build and assimilate knowledge for advanced specialty practice at a high level of complexity. Practicum I has a direct practice emphasis. Students examine the evidence base that informs interprofessional practice and applies findings in the provision of client and population focused interventions.

NSG 772. Advanced Practicum II. 3-5 credits.
This is the second of three practicum courses designed to help students build and assimilate knowledge for advanced specialty practice at a high level of complexity. Practicum II has a health systems emphasis. Within the advanced practice role, students examine and analyze systems of care and the implications for client care.

NSG 773. Advanced Practicum III. 3-5 credits.
In Practicum III students synthesize and expand learning developed to this point, and demonstrate mastery of advanced practice at a high level of complexity. The course provides the practice context within which the final D.N.P. project is completed.

NSG 800. Capstone Project. 4 credits.
For the scholarly capstone project students systematically use evidence to improve either practice or patient care outcomes within an advanced nursing practice specialty. The project produces a tangible and deliverable product that summarizes the student’s growth in knowledge and expertise and is evaluated by an academic committee.

Shenandoah University – Nurse-Midwifery (NM) Courses

Students completing the nurse-midwifery courses at Shenandoah University will receive a Post Graduate Certificate in Midwifery and will be eligible to take the national certification examination from the American Midwifery Certification Board to become certified nurse-midwives. Also refer to the Shenandoah University Graduate Catalog for more information on the nurse-midwifery courses.

Descriptions from Shenandoah University's Graduate Catalog. Refer to Shenandoah University's Graduate Catalog for most recent information on their courses.

**NM/NMLBD 610. Primary Care of Women.** *(Taken at Shenandoah University).* 3 credits: 2 didactic and 1 clinical.
The intent of this course is to assist the student in developing and applying knowledge, skills, values, meanings and experiences related to the nurse-midwifery management process in the primary care of women. Prerequisites: Completion of all graduate-level core courses. NMLB 610 clinical must be taken concurrently. Includes a clinical/lab fee.

**NM/NMLBD 620. Comprehensive Antepartal Care.** *(Taken at Shenandoah University).* 3 credits: 2 didactic and 1 clinical.
The intent of this course is to assist the student in developing and applying knowledge, skills, values, meanings and experiences of the nurse-midwifery management process in the comprehensive antepartal care of women. Prerequisites: Completion of all graduate-level core courses. NMLB 620 clinical must be taken concurrently. Includes a clinical/lab fee.

**NM/NMLB 630. Nurse-Midwifery Practicum.** *(Taken at Shenandoah University).* 3 credits for clinical.
The intent of this course is to assist the student in applying knowledge, skills, values, meanings and experiences of the nurse-midwifery management process in primary care and comprehensive antepartal care. *Pre/corequisites: Completion of NM 610 and NM 620. Includes a clinical/lab fee.*

**NM/NMLBD 640. Comprehensive Perinatal Care.** *(Taken at Shenandoah University).* 3 credits: 2 didactic and 1 clinical.*
The intent of this course is to assist the student in developing knowledge, skills, values, meanings and experiences of the nurse-midwifery management process in comprehensive perinatal care. *Pre/corequisite: Completion of NM 630. NMLB 640 clinical must be taken concurrently. Includes a clinical/lab fee.*

**NM/NMLB 651. Integrated Nurse-Midwifery Practicum.** *(Taken at Shenandoah University).* 5 credits.*
This final clinical course in the Midwifery Program provides the opportunity for the student to integrate and influence the knowledge, skills, values, and meanings related to the nurse-midwifery management process in primary care, comprehensive antepartal care and comprehensive perinatal care. The number of clinical hours associated with this five credit course will be at least 300 hours but will be dependent upon the number
of clinical experiences in full-scope midwifery practice necessary to attain competency
as assessed by nurse-midwifery faculty. **Prerequisite:** **NM 640.**

**NM 652. Evidence-Based Practice Project.** *(Taken at Shenandoah University)*. 1 credit.
This is the capstone course for the graduate credential in the Nurse-Midwifery Program. It provides the opportunity for students to integrate and influence the knowledge, skills, values, meanings, and experiences related to the documentation and analysis of evidence-based and interprofessional practice in primary care and comprehensive perinatal care. The Evidence-Based Practice Project will utilize perinatal case studies to analyze the relationship between evidence-based practice and the optimality of outcomes. **Prerequisites:** **NM 640, NMLB 640.**

**NM 660. Advanced Nurse-Midwifery Role Development.** *(Taken at Shenandoah University)*. 1 credit.
The intent of this course is to assist the student in acquiring and applying the knowledge, skills, values, meanings and experiences of the professional behaviors associated with the practice of advanced/specialized nursing. **Prerequisites:** Completion of **NM 650.**

* Based on a 1:4 clinical hour/clock hour ratio. These are minimum number of hours; may be extended due to unknown number of hours needed for each birth. Clinical is interpreted in “# of experiences,” i.e. “# of deliveries.” The clinical hours should be sufficient to meet the learning needs of students. Because of the nature of midwifery practice, students may require additional hours to successfully meet the Core Competencies for Basic Midwifery Practice as outlined by the ACNM. Students are informed of this unique nature of nurse-midwifery in course syllabi.