Nursing (NURS)

Dean: Janet Krejci, Ph.D., R.N.
College of Nursing website (http://www.marquette.edu/nursing/academicprograms-graduate.shtml/)
Graduate School Graduate Nursing Program Overview website (https://www.marquette.edu/grad/nursing-msn-dnp-certificate-graduate-programs.php)

Degrees Offered
Master of Science in Nursing, students are admitted under Plan B (non-thesis option, no comprehensive examination required) but Plan A (thesis option) is also offered; Post-master’s Certificate; Post-baccalaureate Certificate; Doctor of Nursing Practice, Doctor of Philosophy

Program Descriptions

Master of Science in Nursing

The master of science in nursing programs include:

1. The Direct Entry Master of Science for Non-nurses program. This program offers a generalist master of science in nursing to students with a non-nursing baccalaureate degree. Graduates of this program are academically prepared to take the national licensing examination as a registered nurse (NCLEX).

2. The Direct Entry Master of Science for A.D.N. Nurses program. This program is designed for A.D.N. nurses who have baccalaureate degrees in a non-nursing discipline. Graduates are prepared for specialty roles in advanced nursing practice or nursing leadership and makes them academically eligible to seek professional certification in one of these specialty nursing roles.

3. The Master of Science in Nursing program. This program is designed for nurses with baccalaureate degrees in nursing and prepares students for specialty roles in advanced nursing practice and nursing leadership. Graduates of the specialty program are academically eligible to seek professional certification in one of these roles.

MASTER OF SCIENCE IN NURSING — SECOND DEGREE DIRECT ENTRY FOR NON-NURSES with Non-nursing Baccalaureate Degrees

The master’s program for non-nursing graduates is designed for those individuals who hold baccalaureate degrees in fields other than nursing and who wish to become nurses. The program builds upon students’ broad educational preparation and provides an intense, accelerated nursing curriculum to meet students’ career goals.

There are two sites for the program: the Milwaukee campus and the Pleasant Prairie site. The former offers primarily in-person or hybrid courses. The latter is a hybrid program with online theory classes and in-person clinical and laboratory experiences. Full-time status is required for the program. Maintenance of 3.000 GPA each term and every summer session are required.

Admission and Application Requirements for M.S.N. – Second Degree Direct Entry for Non-Nurses

1. Baccalaureate degree in a discipline other than nursing with a degree conferral GPA of 3.000 or above, using a 4.000 system.

2. GRE scores (General Test only). Waived if applicant already has a master’s degree or if undergraduate GPA is 3.200 or above.

3. Completion of three recommendation forms.

4. Completion of the following prerequisite courses with grade of C or above. Grades of B or above make the applicant more competitive:
   
   • Human anatomy and physiology: 5-6 credits (preferably within the last 5 years).
   • Microbiology with a lab: 3 credits (preferably within the last 5 years).
   • Chemistry or biochemistry or biology: 3 credits (preferably within the last 5 years).
   • Therapeutic nutrition: 3 credits.
   • Behavioral sciences, e.g., psychology, sociology: 3 credits.
   • Statistics (including inferential): 3 credits to be completed within the last 5 years of program start date. For students who have had an inferential statistics course, but it has been longer than five years, the ability to demonstrate proficiency by examination may be available through an approved testing source. A list of approved examination providers is available from the College of Nursing.

5. Resume and written statement of professional goals.
6. Official transcripts from all current and previous colleges/universities including Marquette.

7. (For international applicants only) a TOEFL score of 80 on the internet-based version (a minimum of 20 on each section) or IELTS score of 6.5 or higher for each section.

8. A completed application form and fee.

Students admitted to the Milwaukee and Pleasant Prairie locations are required to pay a non-refundable $500 deposit, which is applied toward tuition.

**MASTER OF SCIENCE IN NURSING — SECOND DEGREE DIRECT ENTRY FOR NURSEs with an Associate Degree in Nursing and Non-nursing Baccalaureate Degrees**

This program facilitates students who have an associate’s degree in nursing and also have a bachelor's degree in a discipline other than nursing to complete a master of science in nursing degree with a specialty focus as an advanced practice nurse or nurse leader.

**Admission and Application Requirements for M.S.N. — Second Degree Direct Entry for A.D.N. Nurses**

1. Baccalaureate degree in a discipline other than nursing with a GPA of 3.000 or above, using a 4.000 system.

2. Associate’s degree in nursing with a GPA of 3.000 or above, using a 4.000 system.

3. GRE scores (General Test only). Waived if applicant already has a master’s degree or if undergraduate GPA is 3.200 or above.

4. Completion of three recommendation forms.

5. Resume and written statement of professional goals.

6. Completion of the following prerequisite courses with grade of C or above:
   - Anatomy and physiology: 5-6 credits.
   - Chemistry or biochemistry or biology or microbiology: 5-6 credits total.
   - Behavioral sciences, e.g., psychology, sociology: 3 credits.
   - Statistics (including inferential): 3 credits to be completed within 5 years of program start date. For students who have had an inferential statistics course, but it has been longer than five years, the ability to demonstrate proficiency by examination may be available through an approved testing source. A list of approved examination providers is available from the College of Nursing.

7. Official transcripts from all current and previous colleges/universities including Marquette.

8. Wisconsin or eNLC R.N. Licensure.

9. BCLS from the American Heart Association, which must be maintained during all programs. Additional certifications: pediatric acute care - PALS prior to clinical; pediatric primary care – optional PALS prior to clinical; adult-older adult acute care - ACLS prior to clinical; nurse anesthesia - ACLS and PALS certification upon admission.

10. For the acute care nurse practitioner program (pediatric or adult-gerontology) applicants: A minimum of one year of full-time work experience (or its part-time equivalent) as a registered nurse in an acute care setting with the appropriate age population is required prior to beginning any clinical courses. For primary care nurse practitioner program applicants, a minimum of one year of professional nursing experience is required prior to beginning clinical courses.

11. (For international applicants only) a TOEFL score of 80 on the internet-based version (a minimum of 20 on each section) or IELTS score of 6.5 or higher for each section.

12. A completed application form and fee.

**MASTER OF SCIENCE IN NURSING for Nurses with Baccalaureate Degrees in Nursing**

The master of science in nursing program for nurses with baccalaureate degrees in nursing prepares nurses for specialty roles in advanced practice nursing or nursing leadership. Graduates of the specialty program are academically eligible to seek formal professional certification.

**Master of Science in Nursing Specializations**

**Adult-Gerontology Primary Care Nurse Practitioner**

Prepares students to apply advanced clinical assessment and management skills to episodic and chronic health problems. Care includes health promotion, advanced physical assessment, diagnosis and management of health problems in patients aged 13 and up, in a clinic setting. Graduates
are academically eligible to take the national certification examination for adult gerontology primary care nurse practitioner. One year of full-time or equivalent professional nursing experience with an adult or gerontology population is required prior to beginning clinical courses.

**Adult-Gerontology Acute Care Nurse Practitioner**
Prepares students to apply advanced clinical assessment and management skills to complex health problems. Graduates care for acutely ill patients, ages 13 and up, in a variety of settings such as acute care facilities, specialty practice offices and skilled care. Graduates are academically eligible to take the national certification examination for adult gerontology acute care nurse practitioner. One year of full-time nursing experience in an acute care setting with the adult population is required prior to beginning clinical courses. This specialization is offered both at the Milwaukee and the Indianapolis sites. Admissions for the AGACNP program in Indianapolis follow a biennial cohort model, with new cohorts beginning in the fall of odd years. Applications for each cohort open in May of even years. Program offering is contingent on sufficient cohort admission.

**Adult-Gerontology Clinical Nurse Specialist**
Prepares students for practice in three spheres of influence: patient/family, nurse/nursing and organizational/institutional. Includes knowledge of health promotion, advanced physical assessment, evidence-based practice, systems, quality and safety. Graduates are academically eligible to take the national certification examination for adult gerontology clinical nurse specialist. This program offering is contingent on a sufficient cohort admission.

**Nurse Midwifery**
Prepares students for independent management of women during the antepartum, intrapartum and postpartum periods and for primary and gynecologic care of women throughout the life span. Graduates are prepared for collaborative management of women with risk factors. Program graduates are academically eligible to take the national certification examination of the American Midwifery Certification Board.

**Pediatric Primary Care Nurse Practitioner**
Prepares students for advanced practice as a pediatric nurse practitioner. Graduates are prepared to independently provide health care for children and families from simple to complex health issues, usually in primary care settings. Graduates are academically eligible to take primary care pediatric nurse practitioner national certification examinations. One year of full-time or equivalent professional nursing experience with any population is required prior to beginning clinical courses.

**Pediatric Acute Care Nurse Practitioner**
Prepares students to independently manage care for complex chronically ill, acutely ill and critically ill children. Graduates are eligible to take the national certification examination for the acute care pediatric nurse practitioner specialty. One year of full-time nursing experience in a pediatric acute care setting is required prior to beginning clinical courses.

**Dual Primary Care and Acute Care Pediatric Nurse Practitioner**
Prepares students to practice as a dual-trained pediatric acute care/primary care nurse practitioner. Graduates are prepared to manage well children, pediatric acute and episodic illnesses, complex chronically ill, acutely ill and critically ill children. Graduates are eligible to take the national certification examinations for the acute care and primary care pediatric nurse practitioner specialties. One year of full-time nursing experience in a pediatric acute care setting is required prior to beginning acute care clinical courses.

**Health Systems Leadership**
Preparation for leadership, administrative and executive roles through attainment of knowledge and skills needed to work in complex health systems, including course work in leading change, managing human capital, clinical operations, ethics and strategic thinking. Graduates are academically eligible to take national certification examinations in nursing administration or health care administration. Courses are offered primarily online in a cohort model, with an in-person immersion experience each term.

**Certificate Programs**

**Post-master's Certificate Programs**
Nurses with graduate degrees in nursing may attain a post-master's certificate in the following specializations. These certificates allow the graduate to attain certification in a specialty area.

Adult-Gerontology Acute Care Nurse Practitioner (also offered at the Indianapolis campus)
Adult-Gerontology Primary Care Nurse Practitioner
Adult-Gerontology Clinical Nurse Specialist
Nurse Midwifery
Pediatric Acute Care Nurse Practitioner
Pediatric Primary Care Nurse Practitioner
Dual Primary and Acute Care Pediatric Nurse Practitioner
Health Systems Leadership

**POST-BACCALAUREATE CERTIFICATE Program**
*(Moratorium on Admissions for New Students)*
The post-baccalaureate certificate program prepares registered nurses and other health care or social service professionals for clinical case management and care coordination (CCM/CC) in a variety of health care system, community-based or managed care settings. Completion of the 12-credit graduate-level courses also provides a foundation for obtaining a graduate degree such as master of science in nursing (M.S.N.) or doctor of nursing practice (D.N.P.). Applicants to the post-baccalaureate certificate in clinical case management and care coordination (CCM/CC) must apply online through the Marquette University Graduate School (https://graduate.admissions.marquette.edu/apply/).

Doctor of Nursing Practice

The doctor of nursing practice emphasizes development of nursing practice expertise at the highest level. The curriculum also includes translational research, epidemiology, informatics, statistics, advanced clinical practice, health policy and professional issues. The doctor of nursing practice includes two entry points: the post-master to doctor of nursing practice and the post-baccalaureate to doctor of nursing practice.

The post-master to doctor of nursing practice entry requires the student to have a graduate degree in nursing with a specialization in an advanced practice or leadership/policy role. If students do not have this preparation in their graduate degree in nursing, a post-master’s certificate in one of these areas must be completed concurrently with the post-master’s doctor of nursing practice degree.

The post-baccalaureate to doctor of nursing practice entry prepares expert advanced practice nurses or nursing leaders who understand the complexities of health care, including patient safety, advanced diagnostics and treatments, information technology, and epidemiology. Graduates of this program bring best practices to the point of service, having competence in evidence-based care and translational research methods for quality improvement. Graduates are eligible for specialty certification.

Doctor of Nursing Practice B.S.N.-D.N.P. (Post-baccalaureate) Specializations

Adult-Gerontology Primary Care Nurse Practitioner
Prepares students to have competence in leadership, evidence-based care and translational research methods for quality improvement as well as preparation at the very highest level to apply advanced clinical assessment and management skills to complex health problems. Graduates of this program care for acutely ill patients, ages 13 and up, in a variety of settings such as acute care facilities, specialty practice offices and skilled care. Graduates are academically eligible to take the national certification examination for adult gerontology primary care nurse practitioner. One year of full-time or equivalent professional nursing experience with an adult or gerontology population is required prior to beginning clinical courses.

Adult-Gerontology Acute Care Nurse Practitioner
Prepares students to have competence in leadership, evidence-based care and translational research methods for quality improvement as well as preparation at the very highest level to apply advanced clinical assessment and management skills to complex health problems. Graduates of this program care for acutely ill patients, ages 13 and up, in a variety of settings such as acute care facilities, specialty practice offices and skilled care. Graduates are academically eligible to take the national certification examination for adult gerontology acute care nurse practitioner. One year of full-time nursing experience in an acute care setting with the adult population is required prior to beginning clinical courses.

Nurse Anesthesia
Prepares students to have competence in leadership, evidence-based care and translational research methods for quality improvement as well as preparation at the very highest level to apply advanced clinical assessment and management skills to complex health problems. The nurse anesthesia program prepares expert clinicians who understand the complexities of health care, including patient safety, advanced diagnostics and treatments, information technology, business management and health care finance. The curriculum and clinical experiences prepare students in a variety of regional and general anesthesia techniques for every setting in which anesthesia is delivered to patients. A minimum of one year, preferably two years, of full-time work experience (or its part-time equivalent) as a registered nurse in a critical care setting within the United States, its territories or a U.S. military hospital outside of the United States is required prior to application. Fall admission only.

Pediatric Primary Care Nurse Practitioner
Prepares students to have competence in leadership, evidence-based care and translational research methods for quality improvement as well as preparation at the very highest level to apply advanced clinical assessment and management skills. The program prepares nurses for advanced practice as pediatric nurse practitioners. Graduates are prepared to independently provide health care for children and families from simple to complex health issues usually in primary care settings. Graduates are academically eligible to take primary care pediatric nurse practitioner national certification examinations. One year of full-time or equivalent professional nursing experience with any population is required prior to beginning clinical courses.

Pediatric Acute Care Nurse Practitioner
Prepares students to have competence in leadership, evidence-based care and translational research methods for quality improvement as well as preparation at the very highest level to apply advanced clinical assessment and management skills. Graduates are prepared to manage complex chronically ill, acutely ill and critically ill children. Graduates are eligible to take the national certification examination for the acute care pediatric nurse practitioner specialty. One year of full-time nursing experience in pediatric acute care setting is required prior to beginning clinical courses.

Dual Primary Care and Acute Care Pediatric Nurse Practitioner
Prepares students to have competence in leadership, evidence-based care and translational research methods for quality improvement as well as preparation at the very highest level to apply advanced clinical assessment and management skills. The program prepares nurses to practice as a dual-trained pediatric acute care/primary care nurse practitioner. Graduates are prepared to manage well children, pediatric acute and episodic illnesses, complex chronically ill, acutely ill and critically ill children. Graduates are eligible to take the national certification examinations for the acute care and
primary care pediatric nurse practitioner specialties. One year of full-time nursing experience in pediatric acute care setting is required prior to beginning acute care clinical courses.

Health Systems Leadership
Develops advanced skills in management of evidence-based care and translational research methods as well as operational and strategic leadership. Hybrid model prepares health care leaders for administrative and executive roles through attainment of knowledge and skills needed to work in complex health systems, including course work in leading change, managing human capital, clinical operations, ethics and strategic thinking. Academically eligible to take certification exams in nursing administration or health care administration. Many required specialty courses are offered online in a cohort model. Courses specific to the attainment of the D.N.P. may be offered in a hybrid format. Intensive in-person experiences each term.

Admission and Application Requirements for the M.S.N. for Nurses with Baccalaureate Degrees in Nursing, the Doctor of Nursing Practice or Post-master’s Certificate

1. Applicants to the post-baccalaureate to master of science in nursing (M.S.N.) program or the post-baccalaureate to doctor of nursing practice (D.N.P.) program should have graduated with, or be about to graduate with, a bachelor’s degree in nursing from a nationally accredited program with an upper division major in nursing. (Specifically, for the nurse anesthesia D.N.P. specialty, a baccalaureate or graduate degree in nursing from a nationally accredited college or university is required.) The applicants for the post-master to doctor of nursing practice must have an earned nursing master’s degree with a specialization in an advanced practice or leadership/policy role with evidence of certification in a specialty, if applicable. Applicants for a post master’s certificate must have a graduate degree in nursing.

2. The required minimum undergraduate GPA of 3.000 on a 4.000 scale is required for the M.S.N. and the post-baccalaureate D.N.P. Additionally, for the D.N.P. with the nurse anesthesia specialty, a science GPA of 3.000 or above is required. For programs requiring a prior master of science nursing degree, the GPA from that degree must be a minimum of 3.000 on a 4.000 scale. For graduates of foreign nursing schools, a formal evaluation of their nursing program of study documenting equivalency to a U.S. bachelor of science in nursing degree must be submitted.

3. Prior to or during the first term of study, all master of science in nursing and post-baccalaureate doctor of nursing practice applicants must have taken undergraduate nursing research and a statistics course which included inferential analysis (must be completed within 5 years of program start date). If the time period of 5 years has been exceeded for the statistics course, it may be possible for applicants to demonstrate proficiency by examination through an approved testing source (list of approved examinations available from the College of Nursing). Applicants who select an advanced practice nursing specialization must have taken an undergraduate course in health assessment.

4. Graduate Record Exam Scores (GRE). Waived if cumulative GPA is 3.200 or higher.

5. Unencumbered Registered Nurse license to practice in the United States. A Wisconsin or eNLC license is required at the time of admission. For students in the Indiana program, an Indiana R.N. license is required.

6. Clinical experience requirements
   a. For acute care nurse practitioner program (pediatric or adult-gerontology) applicants: A minimum of one year of full-time work experience with the appropriate age population (or its part-time equivalent) as a registered nurse in an acute care setting is required prior to beginning any clinical courses. For primary care nurse practitioner program applicants: A minimum of one year of professional nursing experience is required prior to beginning clinical courses.
   b. For nurse anesthesia: A minimum of one year, preferably two years, of full-time work experience (or its part-time equivalent) as a registered nurse in a critical care setting within the United States, its territories or a U.S. military hospital outside of the United States. Applicants must have developed as an independent decision maker capable of using and interpreting advanced monitoring techniques based on knowledge of physiological and pharmacological principles. A critical care setting is defined as one where, on a routine basis, the registered nurse manages one or more of the following: invasive hemodynamic monitors (e.g., pulmonary artery, central venous pressure, and arterial catheters), cardiac assist devices, mechanical ventilation and vasoactive infusions. Examples of critical care settings may include, but are not limited to: surgical intensive care, cardiothoracic intensive care, coronary intensive care, medical intensive care, pediatric intensive care and neonatal intensive care. Experiences in other areas may be considered provided the applicant can demonstrate competence with the above identified skills (i.e., invasive monitoring, etc.).

7. BCLS from the American Heart Association, which must be maintained during all programs. Additional certifications: pediatric acute care - PALS prior to clinical; pediatric primary care – optional PALS prior to clinical; adult-older adult acute care - ACLS prior to clinical; nurse anesthesia - ACLS and PALS certification upon admission.

8. Letters of reference: Applicants to the post-baccalaureate to master of science in nursing (M.S.N.) program or the post-baccalaureate to doctor of nursing practice (D.N.P.) program, three completed recommendation forms prepared by previous or present employers and teachers familiar with graduate education in nursing. For nurse anesthesia applicants, at least one letter must come from the critical care area. For post-master’s certificate applicants, one letter of reference is required. If the applicant is a graduate from the Marquette Direct Entry generalist M.S.N. program, a reference from a previous clinical faculty is required.
9. A written statement of professional goals, including reasons for pursuing graduate study in the specialty area. Nurse anesthesia applicants must address career goals and future contributions to the nurse anesthesia profession in a two-page, double-spaced document.

10. Curriculum vitae or resume.

11. Official transcripts from all current and previous colleges or universities - must reflect undergraduate courses in health assessment, nursing research and statistics (including inferential analysis).

12. (For international applicants only) a TOEFL score or other acceptable proof of English proficiency.

13. A completed application form and fee.

14. An interview is required for applicants to nurse anesthesia and nurse midwifery programs. The adult-gerontology acute care nurse practitioner may require an interview. Applicants who are invited for an interview are notified by email.

Doctor of Philosophy

The doctor of philosophy (Ph.D.) program prepares nurse-scientists as teacher/scholars with an emphasis on nursing knowledge development in a substantive research area of science aimed to improve health and health care. The College of Nursing faculty have expertise within the following substantive research foci:

- Community engaged research
- Person-centered research
- Nursing education research

There are two entry routes to the Ph.D. program: post-graduate and post-baccalaureate. Applicants to the doctor of philosophy (Ph.D.) program in nursing should have graduated with, or be about to graduate with, a bachelor of science in nursing, a master's or a professional doctoral (D.N.P.) degree in nursing from a nationally accredited program.

For a post-bachelor's applicant, the requirements are: R.N. licensure, a GPA of 3.200 on a 4.000 scale, a statistics course within the last 5 years, acceptable GRE scores, three letters of reference (preferably from Ph.D.-prepared nurses), a goal statement and a personal interview.

Generally, for a post-graduate applicant, a cumulative graduate GPA of 3.200 on a 4.000 scale is recommended. A graduate-level research course is a required prerequisite along with the GRE and a statistics course with a grade of a B or above within the last 5 years, three letters of reference (preferably from PhD prepared nurses), a goal statement and a personal interview.

Graduates of foreign nursing schools must submit a formal evaluation of their nursing program of study which documents equivalency to a U.S. bachelor of science in nursing degree or graduate degree in nursing. They must be licensed to practice as a registered nurse in the United States.

Familiarity with computers and the web (e.g., electronic retrieval of data, word processing) is required for all applicants. Some courses use online, web-enhanced and/or hybrid teaching.

Application Requirements for the Doctor of Philosophy

Applicants must submit:

1. A completed application form and fee.
2. Official transcripts from all current and previous colleges/universities including Marquette.
3. Three Ph.D. letters of recommendation.
4. GRE scores (General Test only).
5. A curriculum vitae.
6. A written statement of professional goals, including reasons for pursuing graduate study. Applicants must include objectives/career intentions, including research interests.
7. Sample of scholarly writing.
8. (For international applicants only) a TOEFL score or other acceptable proof of English proficiency.

Application Deadlines and Start Terms

Nov. 15
Additionally:

1. Grades of F, ADW, WA, and WF are not acceptable in any course and are grounds for dismissal from the program. If the student is allowed to remain in the program, the course in which these grades were earned must be repeated with minimum grade of B-. The timing of when the course may be repeated is on a space-available basis and successful repeat of a course does not guarantee that the student will retain a space in their program.

2. A cumulative grade point average of at least 3.00 must be maintained each term.

3. For graduate students in advanced practice options, a minimum grade of B- in NURS 6030 Pathophysiological Concepts for Advanced Nursing Practice, NURS 6032 Pharmacology for Advanced Nursing Practice, NURS 6035 Advanced Health Assessment Across the Lifespan, and all specialty theory courses is required. Ph.D. students are required to earn at least a B- in all courses. A student who earns less than a B- in any of the above-mentioned courses is required to repeat the course. The timing of when the course may be repeated is on a space-available basis and may significantly delay program progression. The student is not guaranteed that they will retain a space in the advanced specialty program.

4. Graduate students in advanced practice options who earn a grade less than a B- in a clinical course will be dismissed from the program. If a student successfully appeals the dismissal decision and is allowed to continue in the program, the student must repeat the clinical course and earn at least a B- grade. The timing of when the course may be repeated is on a space-available basis. The student is not guaranteed that they will retain a space in their program. Students in the Direct Entry M.S.N. program must achieve at least a B- in a clinical course or the course must be repeated. The
timing of when the course may be repeated is on a space-available basis and successful repeat of a course does not guarantee that the student will retain a space in their program.

5. A student may be removed from a clinical course and dismissed from a program at any time due to unsafe clinical performance, lack of preparedness to care for patients, unprofessional behaviors or other patient-safety related issues. See the Graduate School bulletin for information on academic performance (https://bulletin.marquette.edu/grad/policiesofthegraduateschool/#academicperformance).

6. A lack of substantial and visible progress toward completion of program requirements, including failure to complete the qualifying examination, thesis, dissertation or capstone project may be grounds for dismissal.

7. No more than two different courses may be repeated due to unsatisfactory grades. The student must abide by university policy governing the repeat of any courses. See the Graduate School bulletin for information on repeated courses (https://bulletin.marquette.edu/grad/policiesofthegraduateschool/#repeatedcourses).

SPECIAL FEES

1. $60 – Cardiopulmonary Resuscitation (CPR) Certification (approximate fee). (This certification must be maintained throughout the student's program through biannual recertification.)

2. $124 – Health requirements and criminal background check initial fee (approximate fee) and drug test. Additional costs may be required for immunizations, antibody titers and physical examinations. (castlebranch.com (https://www.castlebranch.com/)).

3. $90 – A one-time clinical tracking system (Typhon (http://www.typhongroup.com/products.html)) fee for M.S.N. and D.N.P. students in the specialty clinicals.

Additional fees for Direct Entry M.S.N. students:

1. $500 – Assessment Tests, predictor examination, and NCLEX review course for the M.S.N. program for Non-Nursing Graduates. (Approximate fee. Exact amount based upon vendor costs in effect at time of registration.)

2. $300 – Uniforms for the M.S.N. program for Non-Nursing Graduates. (Approximate fee. Must be purchased through a private vendor. Vendor list available from the College of Nursing.)

3. $175 – Assessment Equipment for the M.S.N. program for Non-Nursing Graduates. (Stethoscope $70. Sphygmomanometer $60. Approximate fee. Exact amount based upon vendor costs in effect at time of registration. Must be purchased through a private vendor.)

4. For Milwaukee based Direct Entry students, a laptop computer that meets the minimum recommendations (https://www.marquette.edu/its/help/getting/studentpc.shtml/) specified by the university is required. All Direct Entry students are required to have a computer with webcam, microphone and internet access.

Program fees for Nurse Anesthesia students

Acceptance Fee

• The College of Nursing requires that all students accepting an offer of admission to the graduate nurse anesthesia educational program submit a non-refundable deposit of $1,000 to the Graduate School to be guaranteed a spot in the program. The deposit is then applied toward tuition and fees after the students register for the initial fall term.

Annual Fees

• Annual, nonrefundable, technology and evaluation fee of $2,659 to be paid in full at the start of each fall term.

• Annual malpractice insurance fee of $275 to be paid in full at the start of each fall term. Nurse anesthesia students are required to hold malpractice insurance coverage as identified by the program with a policy start date of 9/1 for each year enrolled in the program. This coverage must be maintained throughout the program. A lapse in malpractice coverage results in removal of students from clinical site rotations.

Additional Expenses

• Associate membership with the American Association of Nurse Anesthetists (AANA) (approximately $200) Purchased in fall of the first year in the program, and membership is valid for the duration of nurse anesthesia educational program enrollment.

• BLS/ACLS/PALS certification: variable cost - Active BLS/ACLS/PALS certifications must be maintained throughout program enrollment.

• Text books and other personal instructional aids.

• Any costs incurred while on rotation to various clinical sites, attending professional meetings or external review courses.

• Scrub attire and lab coat (approximately $100). Students are required to purchase one set of scrub attire and one lab coat.
• Clinical verification process: approximately $125 first year in program; $40 in years two and three of the program. Nurse anesthesia students must maintain compliance with all clinical-related requirements for the duration of program enrollment or risk being removed from clinical site rotations.

ACCREDITATION

The bachelor of science in nursing, master of science in nursing, doctor of nursing practice, and post-graduate APRN certificate programs at Marquette University College of Nursing are accredited by the Commission on Collegiate Nursing Education (CCNE), 655 K Street NW, Suite 750, Washington, DC 20001, (202) 887-6791, aacnursing.org/CCNE (http://www.aacnursing.org/CCNE/); the Accreditation Commission for Midwifery Education (ACME) of the American College of Nurse-Midwives (ACNM), 8403 Colesville Road, Suite 1550, Silver Spring, MD 20910-6374, (240) 485-1800, http://www.midwife.org/; Council on Accreditation of Nurse Anesthesia Educational Programs (COA), 222 S. Prospect Avenue, Park Ridge, IL 60068-4001, (847) 655-1160, home.coa.us.com (http://home.coa.us.com/Pages/default.aspx).

Nursing Master's Requirements

Specializations:

Adult-Gerontology Acute Care Nurse Practitioner
Adult-Gerontology Primary Care Nurse Practitioner
Adult-Gerontology Clinical Nurse Specialist
Nurse Midwifery
Dual Primary Care and Acute Care Pediatric Nurse Practitioner
Pediatric Primary Care Nurse Practitioner
Pediatric Acute Care Nurse Practitioner
Health Systems Leadership

The M.S.N. program is designed to prepare students in the advanced practice specialties such as nurse practitioners, clinical nurse specialists, nurse midwives, nurse administrators/leaders, or as nurse generalists. Graduates of the program are prepared to:

1. Use data and analytical processes to discover, critique and/or synthesize nursing knowledge for the continued improvement of nursing care across diverse settings.

2. Integrate pertinent theories, research and other evidence, as well as patient and population perspectives to guide master’s-level nursing practice.

3. Effectively use varied modes of communication, informatics and technology to promote safe and high-quality patient care.

4. Initiate, maintain and promote intra- and interprofessional collaboration.

5. Demonstrate leadership in ethical and clinical decision-making using a system’s perspective.

6. Provides culturally appropriate evidence-based clinical prevention and population health to individuals, families and aggregates.

The following requirements are in effect for the current academic year. Requirements may change due to changes in national standards.

Nursing students are admitted to the Graduate School under Plan B (non-thesis option). Students may change to Plan A (thesis option) if an official Change of Plan Form is submitted to the Office for Graduate Nursing Programs and is approved by the Graduate School.

The number of credits required to complete a degree is based on the area of specialization. Students completing a thesis must enroll for six additional thesis credits.

MASTER OF SCIENCE IN NURSING CURRICULUM

All students in the master of science in nursing program must take the four core courses (12 credits) and all courses listed for their specific program option (36-51 total credit hours, depending on specialization option chosen). Clinical practicum experiences include a minimum of five hours per credit.

Adult-Gerontology Acute Care Nurse Practitioner

Required Core Courses:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>NURS 6000</td>
<td>Theoretical Foundations of Nursing</td>
<td>3</td>
</tr>
<tr>
<td>NURS 6007</td>
<td>Ethics, Policy and Health Care Advocacy</td>
<td>3</td>
</tr>
<tr>
<td>NURS 6009</td>
<td>Organizational and Systems Leadership</td>
<td>3</td>
</tr>
<tr>
<td>NURS 6010</td>
<td>Research and Evidence as a Foundation for Nursing</td>
<td>3</td>
</tr>
</tbody>
</table>

Required Specialization Courses:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>NURS 6030</td>
<td>Pathophysiological Concepts for Advanced Nursing Practice</td>
<td>3</td>
</tr>
<tr>
<td>NURS 6032</td>
<td>Pharmacology for Advanced Nursing Practice</td>
<td>3</td>
</tr>
<tr>
<td>NURS 6035</td>
<td>Advanced Health Assessment Across the Lifespan</td>
<td>3</td>
</tr>
<tr>
<td>Course Code</td>
<td>Course Title</td>
<td>Credits</td>
</tr>
<tr>
<td>-------------</td>
<td>-------------------------------------------------------------</td>
<td>---------</td>
</tr>
<tr>
<td>NURS 6037</td>
<td>Management of Episodic Health Problems</td>
<td>3</td>
</tr>
<tr>
<td>NURS 6240</td>
<td>Complex Health Problems</td>
<td>3</td>
</tr>
<tr>
<td>NURS 6335</td>
<td>Differential Diagnosis and Advanced Skills for the Acutely III Adult</td>
<td>3</td>
</tr>
<tr>
<td>NURS 6340</td>
<td>Complex Acute Care Problems</td>
<td>3</td>
</tr>
<tr>
<td>NURS 6351</td>
<td>Advanced Nursing Care of the Acutely Ill Adult-Older Adult 1-Clinical</td>
<td>3</td>
</tr>
<tr>
<td>NURS 6352</td>
<td>Advanced Nursing Care of the Acutely Ill Adult-Older Adult 2-Clinical</td>
<td>3</td>
</tr>
<tr>
<td>NURS 6353</td>
<td>Advanced Nursing Care of the Acutely Ill Adult-Older Adult 3-Clinical</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Credit Hours: 42

**Adult-Gerontology Primary Care Nurse Practitioner**

Required Core Courses:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>NURS 6000</td>
<td>Theoretical Foundations of Nursing</td>
<td>3</td>
</tr>
<tr>
<td>NURS 6007</td>
<td>Ethics, Policy and Health Care Advocacy</td>
<td>3</td>
</tr>
<tr>
<td>NURS 6009</td>
<td>Organizational and Systems Leadership</td>
<td>3</td>
</tr>
<tr>
<td>NURS 6010</td>
<td>Research and Evidence as a Foundation for Nursing</td>
<td>3</td>
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</table>

Required Specialization Courses:

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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>NURS 6030</td>
<td>Pathophysiological Concepts for Advanced Nursing Practice</td>
<td>3</td>
</tr>
<tr>
<td>NURS 6032</td>
<td>Pharmacology for Advanced Nursing Practice</td>
<td>3</td>
</tr>
<tr>
<td>NURS 6035</td>
<td>Advanced Health Assessment Across the Lifespan</td>
<td>3</td>
</tr>
<tr>
<td>NURS 6037</td>
<td>Management of Episodic Health Problems</td>
<td>3</td>
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<tr>
<td>NURS 6240</td>
<td>Complex Health Problems</td>
<td>3</td>
</tr>
<tr>
<td>NURS 6257</td>
<td>Advanced Nursing of Adults-Gerontology 3-Clinical</td>
<td>3</td>
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<tr>
<td>NURS 6242</td>
<td>Concepts and Interventions for Health Problems Across the Life-Span</td>
<td>3</td>
</tr>
<tr>
<td>NURS 6251</td>
<td>Advanced Nursing of Adults-Gerontology 1-Clinical</td>
<td>3</td>
</tr>
<tr>
<td>NURS 6252</td>
<td>Advanced Nursing of Adults-Gerontology 2-Clinical</td>
<td>3</td>
</tr>
<tr>
<td>NURS 6244</td>
<td>Health Promotion Across the Life-Span</td>
<td>3</td>
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</table>

Total Credit Hours: 42

**Adult-Gerontology Clinical Nurse Specialist**

Required Core Courses:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>NURS 6000</td>
<td>Theoretical Foundations of Nursing</td>
<td>3</td>
</tr>
<tr>
<td>NURS 6007</td>
<td>Ethics, Policy and Health Care Advocacy</td>
<td>3</td>
</tr>
<tr>
<td>NURS 6009</td>
<td>Organizational and Systems Leadership</td>
<td>3</td>
</tr>
<tr>
<td>NURS 6010</td>
<td>Research and Evidence as a Foundation for Nursing</td>
<td>3</td>
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</table>

Required Specialization Courses:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>NURS 6030</td>
<td>Pathophysiological Concepts for Advanced Nursing Practice</td>
<td>3</td>
</tr>
<tr>
<td>NURS 6032</td>
<td>Pharmacology for Advanced Nursing Practice</td>
<td>3</td>
</tr>
<tr>
<td>NURS 6035</td>
<td>Advanced Health Assessment Across the Lifespan</td>
<td>3</td>
</tr>
<tr>
<td>NURS 6242</td>
<td>Concepts and Interventions for Health Problems Across the Life-Span</td>
<td>3</td>
</tr>
<tr>
<td>NURS 6244</td>
<td>Health Promotion Across the Life-Span</td>
<td>3</td>
</tr>
<tr>
<td>NURS 6258</td>
<td>Adult Gerontology Clinical Nurse Specialist 1 - Clinical</td>
<td>3</td>
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<tr>
<td>NURS 6259</td>
<td>Adult Gerontology Clinical Nurse Specialist 2 - Clinical</td>
<td>3</td>
</tr>
<tr>
<td>NURS 6240</td>
<td>Complex Health Problems</td>
<td>3</td>
</tr>
<tr>
<td>or NURS 6340</td>
<td>Complex Acute Care Problems</td>
<td></td>
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</table>

6 credits of HEAL or NURS electives

Total Credit Hours: 42

**Dual Primary Care and Acute Care Pediatric Nurse Practitioner**

Required Core Courses:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>NURS 6000</td>
<td>Theoretical Foundations of Nursing</td>
<td>3</td>
</tr>
<tr>
<td>NURS 6007</td>
<td>Ethics, Policy and Health Care Advocacy</td>
<td>3</td>
</tr>
<tr>
<td>NURS 6009</td>
<td>Organizational and Systems Leadership</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Credit Hours: 42
### Research and Evidence as a Foundation for Nursing (NURS 6010)
- Required Core Courses:
  - NURS 6000: Theoretical Foundations of Nursing (3)
  - NURS 6007: Ethics, Policy and Health Care Advocacy (3)
  - NURS 6009: Organizational and Systems Leadership (3)
  - NURS 6010: Research and Evidence as a Foundation for Nursing (3)

### Pathophysiological Concepts for Advanced Nursing Practice (NURS 6030)
- Required Core Courses:
  - NURS 6030: Pathophysiological Concepts for Advanced Nursing Practice (3)

### Pharmacology for Advanced Nursing Practice (NURS 6032)
- Required Core Courses:
  - NURS 6032: Pharmacology for Advanced Nursing Practice (3)

### Advanced Health Assessment Across the Lifespan (NURS 6035)
- Required Core Courses:
  - NURS 6035: Advanced Health Assessment Across the Lifespan (3)

### Concepts and Interventions for Health Problems Across the Life-Span (NURS 6242)
- Required Core Courses:
  - NURS 6242: Concepts and Interventions for Health Problems Across the Life-Span (3)

### Health Promotion Across the Life-Span (NURS 6244)
- Required Core Courses:
  - NURS 6244: Health Promotion Across the Life-Span (3)

### Complex/Chronic Pediatric Health Conditions (NURS 6536)
- Required Core Courses:
  - NURS 6536: Complex/Chronic Pediatric Health Conditions (3)

### Seminar in Child and Family Health (NURS 6540)
- Required Core Courses:
  - NURS 6540: Seminar in Child and Family Health (3)

### Nursing Therapeutics for Acute/Episodic Illnesses in Children and Adolescents (NURS 6542)
- Required Core Courses:
  - NURS 6542: Nursing Therapeutics for Acute/Episodic Illnesses in Children and Adolescents (3)

### Advanced Nursing Care of Children and Families 1-Clinical (NURS 6551)
- Required Core Courses:
  - NURS 6551: Advanced Nursing Care of Children and Families 1-Clinical (3)

### Advanced Nursing Care of Children and Families 2-Clinical (NURS 6552)
- Required Core Courses:
  - NURS 6552: Advanced Nursing Care of Children and Families 2-Clinical (3)

### Advanced Nursing Care of Children and Families 1-Clinical (NURS 6551)
- Required Core Courses:
  - NURS 6551: Advanced Nursing Care of Children and Families 1-Clinical (3)

### Acurately/Chronically Ill Children - Clinical 2 (NURS 6552)
- Required Core Courses:
  - NURS 6552: Acurately/Chronically Ill Children - Clinical 2 (3)

### Critically Ill Children - Clinical 3 (NURS 6553)
- Required Core Courses:
  - NURS 6553: Critically Ill Children - Clinical 3 (3)

### Total Credit Hours: 51

### Nurse-Midwifery

#### Required Core Courses:
- NURS 6000: Theoretical Foundations of Nursing (3)
- NURS 6007: Ethics, Policy and Health Care Advocacy (3)
- NURS 6009: Organizational and Systems Leadership (3)
- NURS 6010: Research and Evidence as a Foundation for Nursing (3)

#### Pathophysiological Concepts for Advanced Nursing Practice (NURS 6030)
- Required Core Courses:
  - NURS 6030: Pathophysiological Concepts for Advanced Nursing Practice (3)

#### Pharmacology for Advanced Nursing Practice (NURS 6032)
- Required Core Courses:
  - NURS 6032: Pharmacology for Advanced Nursing Practice (3)

#### Advanced Health Assessment Across the Lifespan (NURS 6035)
- Required Core Courses:
  - NURS 6035: Advanced Health Assessment Across the Lifespan (3)

#### Management of Episodic Health Problems (NURS 6037)
- Required Core Courses:
  - NURS 6037: Management of Episodic Health Problems (3)

#### Advanced Concepts in Women's Health Care Management Across the Life Span (NURS 6740)
- Required Core Courses:
  - NURS 6740: Advanced Concepts in Women's Health Care Management Across the Life Span (3)

#### Advanced Concepts in Antepartum Management (NURS 6742)
- Required Core Courses:
  - NURS 6742: Advanced Concepts in Antepartum Management (3)

#### Advanced Concepts in Postpartum and Newborn Management (NURS 6744)
- Required Core Courses:
  - NURS 6744: Advanced Concepts in Postpartum and Newborn Management (3)

#### Professional Issues in APN/DNP Practice (NURS 6746)
- Required Core Courses:
  - NURS 6746: Professional Issues in APN/DNP Practice (3)

#### Advanced Concepts in Labor Support (NURS 6751)
- Required Core Courses:
  - NURS 6751: Advanced Concepts in Labor Support (1-3)

#### Nurse-Midwifery Care During Labor and Birth (NURS 6752)
- Required Core Courses:
  - NURS 6752: Nurse-Midwifery Care During Labor and Birth (5)

#### Advanced Practicum in Nurse-Midwifery (NURS 6753)
- Required Core Courses:
  - NURS 6753: Advanced Practicum in Nurse-Midwifery (7)

### Total Credit Hours: 49-51

### Pediatric Primary Care Nurse Practitioner

#### Required Core Courses:
- NURS 6000: Theoretical Foundations of Nursing (3)
- NURS 6007: Ethics, Policy and Health Care Advocacy (3)
- NURS 6009: Organizational and Systems Leadership (3)
- NURS 6010: Research and Evidence as a Foundation for Nursing (3)

#### Pathophysiological Concepts for Advanced Nursing Practice (NURS 6030)
- Required Core Courses:
  - NURS 6030: Pathophysiological Concepts for Advanced Nursing Practice (3)

#### Pharmacology for Advanced Nursing Practice (NURS 6032)
- Required Core Courses:
  - NURS 6032: Pharmacology for Advanced Nursing Practice (3)

#### Advanced Health Assessment Across the Lifespan (NURS 6035)
- Required Core Courses:
  - NURS 6035: Advanced Health Assessment Across the Lifespan (3)

#### Health Promotion Across the Life-Span (NURS 6244)
- Required Core Courses:
  - NURS 6244: Health Promotion Across the Life-Span (3)

#### Complex/Chronic Pediatric Health Conditions (NURS 6536)
- Required Core Courses:
  - NURS 6536: Complex/Chronic Pediatric Health Conditions (3)

#### Seminar in Child and Family Health (NURS 6540)
- Required Core Courses:
  - NURS 6540: Seminar in Child and Family Health (3)

#### Nursing Therapeutics for Acute/Episodic Illnesses in Children and Adolescents (NURS 6542)
- Required Core Courses:
  - NURS 6542: Nursing Therapeutics for Acute/Episodic Illnesses in Children and Adolescents (3)

#### Advanced Nursing Care of Children and Families 1-Clinical (NURS 6551)
- Required Core Courses:
  - NURS 6551: Advanced Nursing Care of Children and Families 1-Clinical (3)

### Total Credit Hours: 49-51
NURS 6552 Advanced Nursing Care of Children and Families 2-Clinical 3
NURS 6553 Advanced Nursing Care of Children and Families 3-Clinical 3

Total Credit Hours 42

**Pediatric Acute Care Nurse Practitioner**

Required Core Courses:
- NURS 6000 Theoretical Foundations of Nursing 3
- NURS 6007 Ethics, Policy and Health Care Advocacy 3
- NURS 6009 Organizational and Systems Leadership 3
- NURS 6010 Research and Evidence as a Foundation for Nursing 3

Required Specialization Courses:
- NURS 6030 Pathophysiological Concepts for Advanced Nursing Practice 3
- NURS 6032 Pharmacology for Advanced Nursing Practice 3
- NURS 6035 Advanced Health Assessment Across the Lifespan 3
- NURS 6242 Concepts and Interventions for Health Problems Across the Life-Span 3
- NURS 6536 Complex/Chronic Pediatric Health Conditions 3
- NURS 6540 Seminar in Child and Family Health 3
- NURS 6640 Nursing Therapeutics for Acute/Critical Illnesses in Children and Adolescents 3
- NURS 6651 Acutely Ill Children - Clinical 1 3
- NURS 6652 Acutely/Chronically Ill Children - Clinical 2 3
- NURS 6653 Critically Ill Children - Clinical 3 3

Total Credit Hours 42

**Health Systems Leadership**

Required Core Courses:
- NURS 6000 Theoretical Foundations of Nursing 3
- NURS 6010 Research and Evidence as a Foundation for Nursing 3
- HEAL 6007 Ethics Policy and Advocacy in Health Care Organizations 3
- NURS 6009 Organizational and Systems Leadership 3

Required Specialization Courses:
- NURS 6854 Professional Role Development - Clinical 3
- CMST 6200 Organizational Communication 3
- HEAL 6830 Quality Improvement Science in Health Care 3
- HEAL 6835 Health Care Informatics, Technology and Professional Issues 3
- HEAL 6836 Marketing and Economics in Health Care 3
- HEAL 6837 Managing Human Capital in Health Care 3
- HEAL 6838 Leading People, Innovation and Strategic Change in Health Care Organizations 3
- HEAL 6839 Healthcare Fiscal Management 3

Total Credit Hours 36

**Direct Entry - Master of Science in Nursing**

**Master of Science in Nursing — Second Degree Direct Entry for Non-Nurses**

The master of science in nursing program for non-nursing graduates is designed for individuals who hold baccalaureate degrees in fields other than nursing.

The 75-credit program builds upon previous, broad educational preparation and provides an intense, accelerated and specialized nursing curriculum preparing students to become eligible for the NCLEX-R.N. examination and to earn a generalist master of science in nursing degree (M.S.N. with no specialization) upon completion of the program.

Nursing students are admitted to the Graduate School under Plan B (non-thesis option). Plan B students in the master’s program for non-nursing graduates are not required to write a thesis.
The leadership competencies achieved during this program positions students to seek employment in many health care settings. Students have the competencies necessary to practice at the microsystem level, providing point-of-care delivery with a focus on safety, quality and improved outcomes.

Graduates are eligible to apply for a post-master’s certificate in one of the many specialties that Marquette offers, or to the D.N.P. or Ph.D. programs at Marquette.

Students must complete:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>NURS 6000</td>
<td>Theoretical Foundations of Nursing</td>
<td>3</td>
</tr>
<tr>
<td>NURS 6001</td>
<td>Health Assessment and Fundamentals 1</td>
<td>3</td>
</tr>
<tr>
<td>NURS 6002</td>
<td>Health Assessment and Fundamentals 2</td>
<td>4</td>
</tr>
<tr>
<td>NURS 6003</td>
<td>Essentials for Nursing Practice</td>
<td>3</td>
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<tr>
<td>NURS 6005</td>
<td>Concepts and Interventions for the Promotion of Mental Health -- Theory</td>
<td>3</td>
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<tr>
<td>NURS 6007</td>
<td>Ethics, Policy and Health Care Advocacy</td>
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<td>NURS 6009</td>
<td>Organizational and Systems Leadership</td>
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</tr>
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<td>NURS 6010</td>
<td>Research and Evidence as a Foundation for Nursing</td>
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</tr>
<tr>
<td>NURS 6015</td>
<td>Pharmacotherapeutics for Nursing Practice</td>
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</tr>
<tr>
<td>NURS 6030</td>
<td>Pathophysiological Concepts for Advanced Nursing Practice</td>
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</tr>
<tr>
<td>NURS 6032</td>
<td>Pharmacology for Advanced Nursing Practice</td>
<td>3</td>
</tr>
<tr>
<td>NURS 6035</td>
<td>Advanced Health Assessment Across the Lifespan</td>
<td>3</td>
</tr>
<tr>
<td>NURS 6100</td>
<td>Community and Population Health Nursing</td>
<td>3</td>
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<tr>
<td>NURS 6201</td>
<td>Nursing Concepts and Interventions for the Care of Adults/Older Adults 1 - Theory</td>
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<tr>
<td>NURS 6202</td>
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<td>NURS 6244</td>
<td>Health Promotion Across the Life-Span</td>
<td>3</td>
</tr>
<tr>
<td>NURS 6500</td>
<td>Family-Centered Nursing of Children</td>
<td>3</td>
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<tr>
<td>NURS 6700</td>
<td>Maternity Nursing and Women’s Health - Theory</td>
<td>3</td>
</tr>
<tr>
<td>HEAL 6825</td>
<td>Quality &amp; Patient Safety in Health Care</td>
<td>3</td>
</tr>
<tr>
<td>HEAL 6835</td>
<td>Health Care Informatics, Technology and Professional Issues</td>
<td>3</td>
</tr>
<tr>
<td>NURS 6970</td>
<td>Nursing Care for Patients with Chronic Conditions - Clinical</td>
<td>4</td>
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<tr>
<td>NURS 6971</td>
<td>Nursing Care for Patients with Acute Conditions - Clinical</td>
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<td>NURS 6973</td>
<td>Professional Nursing Practice - Clinical</td>
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<tr>
<td>NURS 6976</td>
<td>Transition to Nursing Practice and Leadership - Clinical</td>
<td>3</td>
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</table>

Total Credit Hours: 75

**Master of Science in Nursing — Second Degree Direct Entry for A.D.N. Nurses**

This program facilitates students who have an associate's degree in nursing and also have a bachelor's degree in a discipline other than nursing to complete a master of science in nursing degree. Prior to completing any courses in the specialization option of choice, students must complete:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>NURS 6010</td>
<td>Research and Evidence as a Foundation for Nursing</td>
<td>3</td>
</tr>
<tr>
<td>NURS 6100</td>
<td>Community and Population Health Nursing</td>
<td>3</td>
</tr>
<tr>
<td>NURS 6931</td>
<td>Topics in Nursing (Topic: Community Nursing Clinical)</td>
<td>3</td>
</tr>
<tr>
<td>HEAL 6825</td>
<td>Quality &amp; Patient Safety in Health Care</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Credit Hours: 12

After completing the four courses listed above, students progress into their chosen specialization. The total number of credits taken to complete the master of science in nursing ranges from 39-51, depending on the specialization chosen, in addition to the initial 12 credits listed above.

**Nursing Doctor of Philosophy Requirements**

The doctor of philosophy (Ph.D.) prepares nurse-scientists as researchers and teachers/scholars with an emphasis on nursing knowledge development in a substantive research area of science aimed to improve health and health care.

Program Learning Outcomes and Performance Indicators

Students will be able to:
1. Develop and disseminate knowledge for the discipline of nursing that will impact health, healthcare and/or healthcare education.
   a. Synthesize research findings to guide nursing knowledge development.
   b. Design and conduct research.
   c. Develop, test and refine theories as a basis for nursing science.
   d. Analyze patterns of health equity and disparity.
   e. Effectively communicate nursing knowledge verbally, in writing, and through emerging technologies.

2. Advance innovation in principles and methods of nursing education.
   a. Apply teaching/learning principles in nursing education at the individual, course, and program level.
   b. Synthesize research findings to advance innovation and provide leadership in nursing education.
   c. Evaluate own progress regarding effective teaching/learning practices at the individual, course, and program level.

The College of Nursing faculty have expertise within the following substantive research foci: Community-engaged research, Person-centered research and Nursing education research.

**Post-Master’s Ph.D. Curriculum**

The post-master of science in nursing Ph.D. program is a 51-credit program with course work in the following five categories:

**Nursing Science (12 credits)**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>PHIL 6430</td>
<td>Philosophy of Knowledge</td>
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<tr>
<td>NURS 8000</td>
<td>Nursing Knowledge Development</td>
<td>3</td>
</tr>
<tr>
<td>HEAL 8010</td>
<td>Health Equity and Disparity</td>
<td>3</td>
</tr>
<tr>
<td>NURS 8980</td>
<td>Nursing Research Seminar and Practicum</td>
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<td>Total Credit Hours</td>
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**Research and Statistics (15 credits)**

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<th>Credit Hours</th>
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<tbody>
<tr>
<td>HEAL 8002</td>
<td>Qualitative Research</td>
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</tr>
<tr>
<td>HEAL 8003</td>
<td>Quantitative Research</td>
<td>3</td>
</tr>
<tr>
<td>HEAL 8015</td>
<td>Applied Statistics for Health Sciences</td>
<td></td>
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<tr>
<td>HEAL 8016</td>
<td>Advanced Applied Statistics</td>
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<tr>
<td>HEAL 8018</td>
<td>Advanced Measurement in Health Care</td>
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**Teaching/Research (6 credits)**

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<tr>
<td>NURS 8020</td>
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<tr>
<td>NURS 8981</td>
<td>Residency in Nursing Education</td>
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<tr>
<td>or NURS 8982</td>
<td>Nursing Research and Practicum II</td>
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</table>

**Cognates (6 credits)**

Six credits supportive of dissertation.

**Dissertation (12 credits)**

A doctoral student will follow a program of study defined, in conjunction with an adviser, on an approved Doctoral Program Planning Form. The student must complete all requirements listed on the Doctoral Program Planning Form, pass a qualifying examination and successfully defend a dissertation to complete the program. The doctoral dissertation must represent an original research contribution and show high attainment and clear ability to do independent research.

**Post-Baccalaureate Ph.D. Curriculum**

The post-bachelor of science in nursing Ph.D. program requires an additional 18 credits to the 51 credits listed above. Required courses are:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>NURS 6000</td>
<td>Theoretical Foundations of Nursing</td>
<td>3</td>
</tr>
<tr>
<td>NURS 6007</td>
<td>Ethics, Policy and Health Care Advocacy</td>
<td>3</td>
</tr>
<tr>
<td>NURS 6009</td>
<td>Organizational and Systems Leadership</td>
<td>3</td>
</tr>
</tbody>
</table>
Doctor of Nursing Practice Requirements

Specializations:

- Adult-Gerontology Primary Care Nurse Practitioner
- Adult-Gerontology Acute Care Nurse Practitioner
- Dual Primary Care and Acute Care Pediatric Nurse Practitioner
- Health Systems Leadership
- Pediatric Primary Care Nurse Practitioner
- Pediatric Acute Care Nurse Practitioner
- Nurse Anesthesia
- Nurse Midwifery (Post-master's D.N.P. only)

The doctor of nursing practice (D.N.P.) program is designed to prepare advanced practice nurses and nurse administrators at the highest level. Graduates of the program are prepared to:

1. Demonstrate advanced, evidence-based management of care in a cultural context at the individual, family, population and/or organizational/systems level.
2. Demonstrate policy analysis and advocacy for social justice, equity and ethical policies in health care delivery.
3. Analyze and apply models, theories and scientific evidence to improve quality of health care of diverse populations.
4. Employ interprofessional and leadership knowledge and skills to transform health care and complex delivery systems.
5. Integrate knowledge of and skills in information systems and patient care technologies for the improvement and transformation of health care.

Doctor of Nursing Practice Curriculum (Post-Baccalaureate)

The doctor of nursing practice (D.N.P.) is a post-baccalaureate⁠¹ degree requiring between 63 and 91 credit hours, depending on the option chosen. Course requirements for each specialization are listed below. Students, with the exception of those in the nurse anesthesia specialization, earn a master of science in nursing en route to the doctor of nursing practice.

¹ The advanced practice nursing: nurse-midwifery option is only post-master's and does not have a post-baccalaureate option.

Adult-Gerontology Primary Care Nurse Practitioner

<table>
<thead>
<tr>
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<th>Credits</th>
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<tr>
<td>NURS 6000</td>
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<tr>
<td>NURS 6007</td>
<td>Ethics, Policy and Health Care Advocacy</td>
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<td>NURS 6009</td>
<td>Organizational and Systems Leadership</td>
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<td>Research and Evidence as a Foundation for Nursing</td>
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<tr>
<td>NURS 6030</td>
<td>Pathophysiological Concepts for Advanced Nursing Practice</td>
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<tr>
<td>NURS 6032</td>
<td>Pharmacology for Advanced Nursing Practice</td>
<td>3</td>
</tr>
<tr>
<td>NURS 6035</td>
<td>Advanced Health Assessment Across the Lifespan</td>
<td>3</td>
</tr>
<tr>
<td>NURS 6037</td>
<td>Management of Episodic Health Problems</td>
<td>3</td>
</tr>
<tr>
<td>NURS 6240</td>
<td>Complex Health Problems</td>
<td>3</td>
</tr>
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<td>NURS 6242</td>
<td>Concepts and Interventions for Health Problems Across the Life-Span</td>
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<tr>
<td>NURS 6244</td>
<td>Health Promotion Across the Life-Span</td>
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<tr>
<td>NURS 6251</td>
<td>Advanced Nursing of Adults-Gerontology 1-Clinical</td>
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<td>Advanced Nursing of Adults-Gerontology 3-Clinical</td>
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<td>NURS 6746</td>
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<tr>
<td>HEAL 6825</td>
<td>Quality &amp; Patient Safety in Health Care</td>
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<tr>
<td>or HEAL 6830</td>
<td>Quality Improvement Science in Health Care</td>
<td></td>
</tr>
<tr>
<td>HEAL 6835</td>
<td>Health Care Informatics, Technology and Professional Issues</td>
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<td>NURS 7980</td>
<td>Residency for DNP with Adults/Older Adults Primary Care</td>
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<td>NURS 7996</td>
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<td>NURS 7997</td>
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<td>HEAL 8015</td>
<td>Applied Statistics for Health Sciences</td>
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**Adult-Gerontology Acute Care Nurse Practitioner**

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<tr>
<td>NURS 6000</td>
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<tr>
<td>NURS 6007</td>
<td>Ethics, Policy and Health Care Advocacy</td>
<td>3</td>
</tr>
<tr>
<td>NURS 6009</td>
<td>Organizational and Systems Leadership</td>
<td>3</td>
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<tr>
<td>NURS 6010</td>
<td>Research and Evidence as a Foundation for Nursing</td>
<td>3</td>
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<tr>
<td>NURS 6030</td>
<td>Pathophysiological Concepts for Advanced Nursing Practice</td>
<td>3</td>
</tr>
<tr>
<td>NURS 6032</td>
<td>Pharmacology for Advanced Nursing Practice</td>
<td>3</td>
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<tr>
<td>NURS 6035</td>
<td>Advanced Health Assessment Across the Lifespan</td>
<td>3</td>
</tr>
<tr>
<td>NURS 6037</td>
<td>Management of Episodic Health Problems</td>
<td>3</td>
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<tr>
<td>NURS 6240</td>
<td>Complex Health Problems</td>
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<tr>
<td>NURS 6335</td>
<td>Differential Diagnosis and Advanced Skills for the Acutely Ill Adult</td>
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<td>NURS 6340</td>
<td>Complex Acute Care Problems</td>
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<tr>
<td>NURS 6351</td>
<td>Advanced Nursing Care of the Acutely Ill Adult-Older Adult 1-Clinical</td>
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<td>NURS 6352</td>
<td>Advanced Nursing Care of the Acutely Ill Adult-Older Adult 2-Clinical</td>
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<td>Advanced Nursing Care of the Acutely Ill Adult-Older Adult 3-Clinical</td>
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<td>NURS 6746</td>
<td>Professional Issues in APN/DNP Practice</td>
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<tr>
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<td>Quality &amp; Patient Safety in Health Care</td>
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<td>or HEAL 6830</td>
<td>Quality Improvement Science in Health Care</td>
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<td>HEAL 6835</td>
<td>Health Care Informatics, Technology and Professional Issues</td>
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<td>HEAL 7010</td>
<td>Translational Research</td>
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<td>Epidemiology</td>
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<td>NURS 7981</td>
<td>Residency for DNP with Acutely Ill Adults</td>
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<td>NURS 7996</td>
<td>Doctor of Nursing Practice Capstone 1</td>
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<td>Applied Statistics for Health Sciences</td>
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**Dual Primary Care and Acute Care Pediatric Nurse Practitioner**

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<td>NURS 6000</td>
<td>Theoretical Foundations of Nursing</td>
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<td>NURS 6007</td>
<td>Ethics, Policy and Health Care Advocacy</td>
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<td>Organizational and Systems Leadership</td>
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<td>Research and Evidence as a Foundation for Nursing</td>
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<tr>
<td>NURS 6030</td>
<td>Pathophysiological Concepts for Advanced Nursing Practice</td>
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<tr>
<td>NURS 6032</td>
<td>Pharmacology for Advanced Nursing Practice</td>
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<td>NURS 6035</td>
<td>Advanced Health Assessment Across the Lifespan</td>
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<td>NURS 6242</td>
<td>Concepts and Interventions for Health Problems Across the Life-Span</td>
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<tr>
<td>NURS 6244</td>
<td>Health Promotion Across the Life-Span</td>
<td>3</td>
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<tr>
<td>NURS 6536</td>
<td>Complex/Chronic Pediatric Health Conditions</td>
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<tr>
<td>NURS 6540</td>
<td>Seminar in Child and Family Health</td>
<td>3</td>
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<tr>
<td>NURS 6542</td>
<td>Nursing Therapeutics for Acute/Episodic Illnesses in Children and Adolescents</td>
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<tr>
<td>NURS 6551</td>
<td>Advanced Nursing Care of Children and Families 1-Clinical</td>
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<td>Advanced Nursing Care of Children and Families 2-Clinical</td>
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<td>NURS 6640</td>
<td>Nursing Therapeutics for Acute/Critical Illnesses in Children and Adolescents</td>
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<td>NURS 6652</td>
<td>Acutely/Chronically Ill Children - Clinical 2</td>
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<td>NURS 6653</td>
<td>Critically Ill Children - Clinical 3</td>
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<tr>
<td>NURS 6746</td>
<td>Professional Issues in APN/DNP Practice</td>
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### HEALTH SYSTEMS LEADERSHIP

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<td>HEAL 6007</td>
<td>Ethics Policy and Advocacy in Health Care Organizations</td>
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<tr>
<td>HEAL 6009</td>
<td>Health Care Systems: Managing Populations and Access</td>
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<td>HEAL 6830</td>
<td>Quality Improvement Science in Health Care</td>
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<tr>
<td>HEAL 6835</td>
<td>Health Care Informatics, Technology and Professional Issues</td>
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<td>HEAL 6836</td>
<td>Marketing and Economics in Health Care</td>
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<td>HEAL 6837</td>
<td>Managing Human Capital in Health Care</td>
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<td>HEAL 6838</td>
<td>Leading People, Innovation and Strategic Change in Health Care Organizations</td>
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<td>HEAL 6839</td>
<td>Healthcare Fiscal Management</td>
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<td>HEAL 6848</td>
<td>Health Care Policy</td>
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<tr>
<td>or HEAL 7049</td>
<td>Outcomes Management</td>
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<td>Translational Research</td>
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<td>CMST 6200</td>
<td>Organizational Communication</td>
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<td>NURS 6746</td>
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<td>NURS 6854</td>
<td>Professional Role Development - Clinical</td>
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<td>NURS 7955</td>
<td>Health Care Management and Leadership - Clinical</td>
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<tr>
<td>NURS 7996</td>
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<td>NURS 7997</td>
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**Total Credit Hours:** 63

### Pediatric Primary Care Nurse Practitioner

<table>
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<tr>
<th>Course Code</th>
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<tbody>
<tr>
<td>NURS 6000</td>
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<td>NURS 6007</td>
<td>Ethics, Policy and Health Care Advocacy</td>
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<td>NURS 6009</td>
<td>Organizational and Systems Leadership</td>
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<td>NURS 6010</td>
<td>Research and Evidence as a Foundation for Nursing</td>
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<tr>
<td>NURS 6030</td>
<td>Pathophysiological Concepts for Advanced Nursing Practice</td>
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<td>NURS 6032</td>
<td>Pharmacology for Advanced Nursing Practice</td>
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<td>NURS 6035</td>
<td>Advanced Health Assessment Across the Lifespan</td>
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<td>NURS 6244</td>
<td>Health Promotion Across the Life-Span</td>
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</tr>
<tr>
<td>NURS 6536</td>
<td>Complex/Chronic Pediatric Health Conditions</td>
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<td>NURS 6540</td>
<td>Seminar in Child and Family Health</td>
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<td>NURS 6542</td>
<td>Nursing Therapeutics for Acute/Episodic Illnesses in Children and Adolescents</td>
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<td>Advanced Nursing Care of Children and Families 1-Clinical</td>
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<td>Advanced Nursing Care of Children and Families 2-Clinical</td>
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<td>NURS 6553</td>
<td>Advanced Nursing Care of Children and Families 3-Clinical</td>
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<td>NURS 6746</td>
<td>Professional Issues in APN/DNP Practice</td>
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</table>
HEAL 6825 Quality & Patient Safety in Health Care 3
or HEAL 6830 Quality Improvement Science in Health Care 3
HEAL 6835 Health Care Informatics, Technology and Professional Issues 3
HEAL 7010 Translational Research 3
HEAL 7012 Epidemiology 3
NURS 7996 Doctor of Nursing Practice Capstone 1 3
NURS 7983 Residency for DNP with Children and Families in Primary Care 3
NURS 7997 Doctor of Nursing Practice Capstone 2 3
HEAL 8015 Applied Statistics for Health Sciences 3

Total Credit Hours 69

Pediatric Acute Care Nurse Practitioner

NURS 6000 Theoretical Foundations of Nursing 3
NURS 6007 Ethics, Policy and Health Care Advocacy 3
NURS 6009 Organizational and Systems Leadership 3
NURS 6010 Research and Evidence as a Foundation for Nursing 3
NURS 6030 Pathophysiological Concepts for Advanced Nursing Practice 3
NURS 6032 Pharmacology for Advanced Nursing Practice 3
NURS 6035 Advanced Health Assessment Across the Lifespan 3
NURS 6242 Concepts and Interventions for Health Problems Across the Life-Span 3
NURS 6536 Complex/Chronic Pediatric Health Conditions 3
NURS 6540 Seminar in Child and Family Health 3
NURS 6651 Acutely Ill Children - Clinical 1 3
NURS 6652 Acutely/Chronically Ill Children - Clinical 2 3
NURS 6653 Critically Ill Children - Clinical 3 3
NURS 6640 Nursing Therapeutics for Acute/Critical Illnesses in Children and Adolescents 3
NURS 6746 Professional Issues in APN/DNP Practice 3
HEAL 6825 Quality & Patient Safety in Health Care 3
or HEAL 6830 Quality Improvement Science in Health Care 3
HEAL 6835 Health Care Informatics, Technology and Professional Issues 3
HEAL 7010 Translational Research 3
HEAL 7012 Epidemiology 3
NURS 7996 Doctor of Nursing Practice Capstone 1 3
NURS 7984 Residency for DNP with Ill Children/Adolescents 3
NURS 7997 Doctor of Nursing Practice Capstone 2 3
HEAL 8015 Applied Statistics for Health Sciences 3

Total Credit Hours 69

Nurse Anesthesia

NURS 6000 Theoretical Foundations of Nursing 3
NURS 6007 Ethics, Policy and Health Care Advocacy 3
NURS 6009 Organizational and Systems Leadership 3
NURS 6010 Research and Evidence as a Foundation for Nursing 3
NURS 6032 Pharmacology for Advanced Nursing Practice 3
NURS 6030 Pathophysiological Concepts for Advanced Nursing Practice 3
NURS 6035 Advanced Health Assessment Across the Lifespan 3
HEAL 6825 Quality & Patient Safety in Health Care 3
HEAL 6835 Health Care Informatics, Technology and Professional Issues 3
HEAL 7010 Translational Research 3
HEAL 7012 Epidemiology 3
NURS 7810 Scientific Foundations of Nurse Anesthesia Practice 3
NURS 7811 Nurse Anesthesia Advanced Physiology 4
NURS 7812  Nurse Anesthesia Neurobiology 4
NURS 7813  Nurse Anesthesia Basic Principles 3
NURS 7814  Nurse Anesthesia Advanced Principles I 3
NURS 7815  Professional Issues in Nurse Anesthesia DNP Practice 3
NURS 7816  Nurse Anesthesia Advanced Pharmacology 3
NURS 7817  Nurse Anesthesia Advanced Principles 2 3
NURS 7970  Nurse Anesthesia Clinical 1 1
NURS 7971  Nurse Anesthesia Clinical 2 2
NURS 7972  Nurse Anesthesia Residency 1 4
NURS 7973  Nurse Anesthesia Residency 2 4
NURS 7974  Nurse Anesthesia Residency 3 4
NURS 7996  Doctor of Nursing Practice Capstone 1 3
NURS 7997  Doctor of Nursing Practice Capstone 2 3
NURS 7987  Nurse Anesthesia Specialty Immersion 1 4
NURS 7988  Nurse Anesthesia Specialty Immersion 2 4
HEAL 8015  Applied Statistics for Health Sciences 3

Total Credit Hours 91

**Doctor of Nursing Practice Curriculum (Post-master's)**

The College of Nursing also offers a post-master's to doctor of nursing practice program for nurses already holding a master's degree in nursing with specialization in an advanced practice nursing role, nursing administration/leadership, or health care policy. Nurses who have a master's degree in nursing, but not in one of these three foci, are required to complete a post-master's certificate in one of these specialties while pursuing the D.N.P. The 30-credit post-master's to doctor of nursing practice builds on the Marquette’s existing master’s program.

Transcripts of students whose master’s degrees are from nursing master’s programs other than Marquette University are evaluated on a case-by-case basis to assure attainment of prerequisite knowledge and clinical experience; additional course work beyond the 30-credit requirement may be necessary to meet all of the Essentials of Doctoral Education for Advanced Nursing Practice. A graduate course in organizational and systems leadership, such as NURS 6009 Organizational and Systems Leadership, is a prerequisite for the program. If students have already taken required courses listed for the post-master's to doctor of nursing practice curriculum as part of a prior degree, these courses are not counted toward the D.N.P., and other graduate-level courses approved by the program director/adviser are substituted to fulfill the 30-credit degree requirement.

HEAL 6825  Quality & Patient Safety in Health Care 3
or HEAL 6830  Quality Improvement Science in Health Care 3
HEAL 6835  Health Care Informatics, Technology and Professional Issues 3
HEAL 6848  Health Care Policy 3
HEAL 7010  Translational Research 3
HEAL 7012  Epidemiology 3
HEAL 7049  Outcomes Management 3
or NURS 7955  Health Care Management and Leadership - Clinical 3
NURS 7986  Residency for DNP in Health Care Systems Leadership (or other specialty residency as appropriate) 3
NURS 7996  Doctor of Nursing Practice Capstone 1 3
NURS 7997  Doctor of Nursing Practice Capstone 2 3
HEAL 8015  Applied Statistics for Health Sciences 3

Total Credit Hours 30

Contact the College of Nursing at (414) 288-3810 for more information.

A post-master's certificate program prepares the nurse who already has a graduate degree in nursing to become academically eligible for certification as an advanced practice nurse or nurse leader.

Specific information regarding application and course requirements may be obtained from the College of Nursing, Clark Hall, P.O. Box 1881, Milwaukee, WI 53201-1881, (414) 288-3810.

Programs are offered in the following specialties:
Adult-Gerontology Acute Care Nurse Practitioner

Prepares the student to apply advanced clinical assessment and management skills to complex health problems. Graduates of this program care for acutely ill patients, ages 13 and up, in a variety of settings such as acute care facilities, specialty practice offices, and skilled care. Program graduates are academically eligible to take the national certification examination for adult-gerontology acute care nurse practitioner. One year of full-time acute care registered nurse experience is required prior to clinical courses.

The post-master’s certificate is individually designed based on the course work documented on the transcript of the student’s master’s degree. Course work and clinical hours needed for the certificate are based on a detailed plan of study agreed upon prior to admission.

The courses listed are required in the post-master’s curriculum plan unless these courses, or their acceptable equivalent, are documented on the master’s transcript. A minimum of 12 credits is required for the post-master’s certificate. The typical credit requirement range is 21-30 credits.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>NURS 6030</td>
<td>Pathophysiological Concepts for Advanced Nursing Practice</td>
<td>3</td>
</tr>
<tr>
<td>NURS 6032</td>
<td>Pharmacology for Advanced Nursing Practice</td>
<td>3</td>
</tr>
<tr>
<td>NURS 6035</td>
<td>Advanced Health Assessment Across the Lifespan</td>
<td>3</td>
</tr>
<tr>
<td>NURS 6037</td>
<td>Management of Episodic Health Problems</td>
<td>3</td>
</tr>
<tr>
<td>NURS 6240</td>
<td>Complex Health Problems</td>
<td>3</td>
</tr>
<tr>
<td>NURS 6335</td>
<td>Differential Diagnosis and Advanced Skills for the Acutely Ill Adult</td>
<td>3</td>
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<tr>
<td>NURS 6340</td>
<td>Complex Acute Care Problems</td>
<td>3</td>
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<tr>
<td>NURS 6351</td>
<td>Advanced Nursing Care of the Acutely Ill Adult-Older Adult 1-Clinical</td>
<td>3</td>
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<tr>
<td>NURS 6352</td>
<td>Advanced Nursing Care of the Acutely Ill Adult-Older Adult 2-Clinical</td>
<td>3</td>
</tr>
<tr>
<td>NURS 6353</td>
<td>Advanced Nursing Care of the Acutely Ill Adult-Older Adult 3-Clinical</td>
<td>3</td>
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</tbody>
</table>

Adult-Gerontology Primary Care Nurse Practitioner

Prepares the student to apply advanced clinical assessment and management skills to episodic and chronic health problems. Care includes health promotion, advanced physical assessment, diagnosis and management of health problems in patients aged 13 and up, in a clinic setting. Program graduates are academically eligible to take the national certification examination for adult gerontology primary care nurse practitioner.

The post-master’s certificate is individually designed based on the course work documented on the transcript of the student’s master’s degree. Course work and clinical hours needed for the certificate are based on a detailed plan of study agreed upon prior to admission.

The courses listed are required in the post-master’s curriculum plan unless these courses, or their acceptable equivalent, are documented on the master’s transcript. A minimum of 12 credits is required for the post-master’s certificate. The typical credit requirement range is 18-30 credits.

<table>
<thead>
<tr>
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<tbody>
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<td>Pharmacology for Advanced Nursing Practice</td>
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<td>Advanced Health Assessment Across the Lifespan</td>
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<tr>
<td>NURS 6037</td>
<td>Management of Episodic Health Problems</td>
<td>3</td>
</tr>
<tr>
<td>NURS 6240</td>
<td>Complex Health Problems</td>
<td>3</td>
</tr>
<tr>
<td>NURS 6242</td>
<td>Concepts and Interventions for Health Problems Across the Life-Span</td>
<td>3</td>
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<tr>
<td>NURS 6244</td>
<td>Health Promotion Across the Life-Span</td>
<td>3</td>
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<tr>
<td>NURS 6251</td>
<td>Advanced Nursing of Adults-Gerontology 1-Clinical</td>
<td>3</td>
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<tr>
<td>NURS 6252</td>
<td>Advanced Nursing of Adults-Gerontology 2-Clinical</td>
<td>3</td>
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<tr>
<td>NURS 6257</td>
<td>Advanced Nursing of Adults-Gerontology 3-Clinical</td>
<td>3</td>
</tr>
</tbody>
</table>

Adult-Gerontology Clinical Nurse Specialist

Prepares the student for the care of adults, including knowledge of human responses, health promotion and disease prevention, advanced physical assessment, diagnosis, and nursing management of health problems. Program graduates are academically eligible to take the national certification examination for adult gerontology clinical nurse specialist.

The post-master’s certificate is individually designed based on the course work documented on the transcript of the student’s master’s degree. Course work and clinical hours needed for the certificate are based on a detailed plan of study agreed upon prior to admission.

The courses listed are required in the post-master’s curriculum plan unless these courses, or their acceptable equivalent, are documented on the master’s transcript. A minimum of 12 credits is required for the post-master’s certificate. The typical credit requirement range is 12-30 credits.

<table>
<thead>
<tr>
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<tbody>
<tr>
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<tr>
<td>NURS 6032</td>
<td>Pharmacology for Advanced Nursing Practice</td>
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<tr>
<td>Course Code</td>
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<tr>
<td>NURS 6035</td>
<td>Advanced Health Assessment Across the Lifespan</td>
<td>3</td>
</tr>
<tr>
<td>NURS 6240</td>
<td>Complex Health Problems</td>
<td>3</td>
</tr>
<tr>
<td>or NURS 6340</td>
<td>Complex Acute Care Problems</td>
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<tr>
<td>NURS 6242</td>
<td>Concepts and Interventions for Health Problems Across the Life-Span</td>
<td>3</td>
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<tr>
<td>NURS 6244</td>
<td>Health Promotion Across the Life-Span</td>
<td>3</td>
</tr>
<tr>
<td>NURS 6258</td>
<td>Adult Gerontology Clinical Nurse Specialist 1 - Clinical</td>
<td>3</td>
</tr>
<tr>
<td>NURS 6259</td>
<td>Adult Gerontology Clinical Nurse Specialist 2 - Clinical</td>
<td>3</td>
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<tr>
<td>HEAL 5901</td>
<td>Interdisciplinary Palliative Care</td>
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<tr>
<td>HEAL 6049</td>
<td>Outcomes Management</td>
<td></td>
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<tr>
<td>HEAL 6820</td>
<td>Health Care Program Development</td>
<td></td>
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<tr>
<td>HEAL 6825</td>
<td>Quality &amp; Patient Safety in Health Care</td>
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<tr>
<td>HEAL 6830</td>
<td>Quality Improvement Science in Health Care</td>
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<tr>
<td>HEAL 6835</td>
<td>Health Care Informatics, Technology and Professional Issues</td>
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<tr>
<td>CMST 6200</td>
<td>Organizational Communication</td>
<td>3</td>
</tr>
<tr>
<td>HEAL 6007</td>
<td>Ethics Policy and Advocacy in Health Care Organizations</td>
<td>3</td>
</tr>
<tr>
<td>HEAL 6009</td>
<td>Health Care Systems: Managing Populations and Access</td>
<td>3</td>
</tr>
<tr>
<td>HEAL 6830</td>
<td>Quality Improvement Science in Health Care</td>
<td>3</td>
</tr>
<tr>
<td>HEAL 6835</td>
<td>Health Care Informatics, Technology and Professional Issues</td>
<td>3</td>
</tr>
<tr>
<td>HEAL 6836</td>
<td>Marketing and Economics in Health Care</td>
<td>3</td>
</tr>
<tr>
<td>HEAL 6837</td>
<td>Managing Human Capital in Health Care</td>
<td>3</td>
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<tr>
<td>HEAL 6838</td>
<td>Leading People, Innovation and Strategic Change in Health Care</td>
<td>3</td>
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<tr>
<td>HEAL 6839</td>
<td>Healthcare Fiscal Management</td>
<td>3</td>
</tr>
<tr>
<td>NURS 6854</td>
<td>Professional Role Development - Clinical</td>
<td>3</td>
</tr>
</tbody>
</table>

**Total Credit Hours:** 30

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**Health Systems Leadership**

Hybrid model prepares health care leaders for administrative and executive roles, through nursing focused and interprofessional perspectives. Academically eligible to take certification exams in nursing administration or health care executive.

The post-master’s certificate is individually designed based on the course work documented on the transcript of the student’s master’s degree. Course work and clinical hours needed for the certificate are based on a detailed plan of study agreed upon prior to admission.

The courses listed are required in the post-master’s curriculum plan unless these courses, or their acceptable equivalent, are documented on the master’s transcript. A minimum of 12 credits is required for the post-master’s certificate. The typical credit requirement range is 24-30 credits.

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**Nursing Midwifery**

Prepares the student for independent management of low risk women during the antepartum, intrapartum and postpartum periods and for primary and gynecologic care of women throughout the life span. Graduates are prepared for collaborative management of women with risk factors.

Program graduates are academically eligible to take the national certification examination of the American Midwifery Certification Board.

The post-master’s certificate is individually designed based on the course work documented on the transcript of the student’s master’s degree. Course work and clinical hours needed for the certificate are based on a detailed plan of study agreed upon prior to admission.

The courses listed are required in the post-master’s curriculum plan unless these courses, or their acceptable equivalent, are documented on the master’s transcript. A minimum of 12 credits is required for the post-master’s certificate. The typical credit requirement range is 22-39 credits.

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<table>
<thead>
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<tr>
<td>NURS 6035</td>
<td>Advanced Health Assessment Across the Lifespan</td>
<td>3</td>
</tr>
<tr>
<td>NURS 6037</td>
<td>Management of Episodic Health Problems</td>
<td>3</td>
</tr>
<tr>
<td>NURS 6740</td>
<td>Advanced Concepts in Women’s Health Care Management Across the Life Span</td>
<td>3</td>
</tr>
<tr>
<td>NURS 6742</td>
<td>Advanced Concepts in Antepartum Management</td>
<td>3</td>
</tr>
<tr>
<td>NURS 6744</td>
<td>Advanced Concepts in Postpartum and Newborn Management</td>
<td>3</td>
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</tbody>
</table>
NURS 6746  Professional Issues in APN/DNP Practice  3
NURS 6751  Advanced Concepts in Labor Support  1-3
NURS 6752  Nurse-Midwifery Care During Labor and Birth  5
NURS 6753  Advanced Practicum in Nurse-Midwifery  7

**Dual Primary Care and Acute Care Pediatric Nurse Practitioner**

Prepares students to practice as a dual-trained pediatric acute care/primary care nurse practitioner. Graduates are prepared to manage well children, pediatric acute and episodic illnesses, complex chronically ill, acutely ill and critically ill children. Graduates are eligible to take the national certification examinations for the acute care and primary care pediatric nurse practitioner specialties. One year of full-time nursing experience in a pediatric acute care setting is required prior to beginning acute care clinical courses.

The post-master’s certificate is individually designed based on the course work documented on the transcript of the student’s master's degree. Course work and clinical hours needed for the certificate are based on a detailed plan of study agreed upon prior to admission.

The courses listed are required in the post-master’s curriculum plan unless these courses, or their acceptable equivalents, are documented on the master’s transcript. A minimum of 12 credits is required for the post-master’s certificate. The typical credit requirement range is 21-30 credits.

NURS 6030  Pathophysiological Concepts for Advanced Nursing Practice  3
NURS 6032  Pharmacology for Advanced Nursing Practice  3
NURS 6035  Advanced Health Assessment Across the Lifespan  3
NURS 6242  Concepts and Interventions for Health Problems Across the Life-Span  3
NURS 6244  Health Promotion Across the Life-Span  3
NURS 6536  Complex/Chronic Pediatric Health Conditions  3
NURS 6540  Seminar in Child and Family Health  3
NURS 6542  Nursing Therapeutics for Acute/Episodic Illnesses in Children and Adolescents  3
NURS 6551  Advanced Nursing Care of Children and Families 1-Clinical  3
NURS 6552  Advanced Nursing Care of Children and Families 2-Clinical  3
NURS 6640  Nursing Therapeutics for Acute/Critical Illnesses in Children and Adolescents  3
NURS 6652  Acutely/Chronically Ill Children - Clinical 2  3
NURS 6653  Critically Ill Children - Clinical 3  3

**Pediatric Acute Care Nurse Practitioner**

Prepares the student to manage complex chronically ill, acutely ill, and critically ill children. Program graduates are eligible to take the national certification examination for the acute care pediatric nurse practitioner specialty. One year of full-time acute care pediatric registered nurse experience is required prior to clinical courses.

The post-master’s certificate is individually designed based on the course work documented on the transcript of the student’s master's degree. Course work and clinical hours needed for the certificate are based on a detailed plan of study agreed upon prior to admission.

The courses listed are required in the post-master’s curriculum plan unless these courses, or their acceptable equivalent, are documented on the master’s transcript. A minimum of 12 credits is required for the post-master’s certificate. The typical credit requirement range is 27-39 credits.

NURS 6030  Pathophysiological Concepts for Advanced Nursing Practice  3
NURS 6032  Pharmacology for Advanced Nursing Practice  3
NURS 6035  Advanced Health Assessment Across the Lifespan  3
NURS 6242  Concepts and Interventions for Health Problems Across the Life-Span  3
NURS 6536  Complex/Chronic Pediatric Health Conditions  3
NURS 6540  Seminar in Child and Family Health  3
NURS 6640  Nursing Therapeutics for Acute/Critical Illnesses in Children and Adolescents  3
NURS 6651  Acutely Ill Children - Clinical 1  3
NURS 6652  Acutely/Chronically Ill Children - Clinical 2  3
NURS 6653  Critically Ill Children - Clinical 3  3
Pediatric Primary Care Nurse Practitioner

Prepares nurses for advanced practice as pediatric nurse practitioners. Graduates are prepared to independently provide health care for children and families from simple to complex health issues, usually in primary care settings. Program graduates are academically eligible to take primary care pediatric nurse practitioner national certification examinations. One year of full-time registered nurse experience is required prior to clinical courses.

The post-master’s certificate is individually designed based on the course work documented on the transcript of the student’s master’s degree. Course work and clinical hours needed for the certificate are based on a detailed plan of study agreed upon prior to admission.

The courses listed are required in the post-master’s curriculum plan unless these courses, or their acceptable equivalent, are documented on the master’s transcript. A minimum of 12 credits is required for the post-master’s certificate. The typical credit requirement range is 18 to 30 credits.

NURS 6030 Pathophysiological Concepts for Advanced Nursing Practice 3
NURS 6032 Pharmacology for Advanced Nursing Practice 3
NURS 6035 Advanced Health Assessment Across the Lifespan 3
NURS 6244 Health Promotion Across the Life-Span 3
NURS 6536 Complex/Chronic Pediatric Health Conditions 3
NURS 6540 Seminar in Child and Family Health 3
NURS 6542 Nursing Therapeutics for Acute/Episodic Illnesses in Children and Adolescents 3
NURS 6551 Advanced Nursing Care of Children and Families 1-Clinical 3
NURS 6552 Advanced Nursing Care of Children and Families 2-Clinical 3
NURS 6553 Advanced Nursing Care of Children and Families 3-Clinical 3

Clinical Case Management/Care Coordination Certificate

**MORATORIUM ON ADMISSIONS FOR NEW STUDENTS**

The curriculum for this certificate is designed to provide a solid foundation for healthcare professionals engaged in or seeking a career in Clinical Case Management/Care Coordination (CCM/CC). The four courses in the 12-credit certificate program provides knowledge and content in healthcare finance, ethics, patient/client advocacy, healthcare systems as well as case management, including a 1-credit practicum. Students are expected to complete the course work within three years.

- The student enters the program with a bachelor’s degree. Upon completion of the program, the student receives a certificate in clinical case management/care coordination from Marquette University.
- The student may then decide to achieve national certification through passing a credentialing exam offered by a national organization that meets the needs of their specialty. There are more than two dozen organizations identified by the Case Management Society of America that currently sponsor certification exams. The candidate selects a certifying organization depending on their specific discipline and/or specialty. The certificate curriculum, in addition to the candidate’s work experience, provides a solid foundation for their chosen exam.
- In addition, the credits students earn from the certificate provide a pathway to a Marquette University master of science in nursing (M.S.N.) or doctor of nursing practice (D.N.P.) graduate degree with a specialty in case management. Up to 12 credits in the certificate program can apply to the master of science in nursing or the doctor of nursing practice.

The constituency served through this program include baccalaureate-prepared registered nurses, social workers/social service professionals, and other health care professionals who wish to advance their career in the area of clinical CCM/CC and prepare for an advanced degree and/or national certification. Additionally, community partners and employers are served through preparing professionals with advanced knowledge and competencies in the area of clinical case management.

**Required course work**

<table>
<thead>
<tr>
<th>Course Code</th>
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<tbody>
<tr>
<td>HEAL 6841</td>
<td>Health Care Finance</td>
<td>3</td>
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<tr>
<td>HEAL 6845</td>
<td>Case Management</td>
<td>3</td>
</tr>
<tr>
<td>NURS 6007</td>
<td>Ethics, Policy and Health Care Advocacy</td>
<td>3</td>
</tr>
<tr>
<td>or HEAL 6931</td>
<td>Topics in Health Care</td>
<td></td>
</tr>
<tr>
<td>NURS 6009</td>
<td>Organizational and Systems Leadership</td>
<td>3</td>
</tr>
<tr>
<td>or HEAL 6931</td>
<td>Topics in Health Care</td>
<td></td>
</tr>
</tbody>
</table>

Total Credit Hours 12

- Course also offered as HEAL 6931 with corresponding topic.
Health Courses

HEAL 5200. Natural Family Planning. 3 cr. hrs.
Physiological, behavioral, and spiritual aspects important to teaching and using natural family planning.

HEAL 5201. Natural Family Planning Practicum. 3 cr. hrs.
Practical application of theory and skills for teaching natural family planning.

HEAL 5901. Interdisciplinary Palliative Care. 3 cr. hrs.
Provides an understanding of the breadth and depth of palliative care practices and services available to caregivers, patients and their families.

HEAL 5931. Topics in Health. 3 cr. hrs.
Selected topics in Health. The topics will be designated in the Schedule of Classes.

HEAL 6007. Ethics Policy and Advocacy in Health Care Organizations. 3 cr. hrs.
Forum for the interprofessional exploration of ethical issues in healthcare organizations. Introduces ethical theories and principles and applies ethical decision-making processes to clinical and organizational issues. Examines personal values and professional codes and their impact on ethical issues at the individual, institutional and societal levels.

Exploration of healthcare systems, models and implications for leadership. Examines concepts of systems, complexity, change, access, continuum of care, population health and health inequities.

HEAL 6010. Translational Research. 3 cr. hrs.
Principles of evidence-based practice and implementation science applied to the translation of evidence to health care practice. Prereq: NURS 6010, HEAL 8015 or equiv.

HEAL 6012. Epidemiology. 3 cr. hrs.
Study of patterns of health/illness in specific populations and analysis of risk. Application of epidemiology methods, including biostatistics.

HEAL 6049. Outcomes Management. 3 cr. hrs.
Evolution of outcomes management. Exploration of methodologies, assessment instruments and issues that guide outcomes research. Prereq: NURS 6010 or cons. of instr.

HEAL 6101. Foundations of Learner-Centered Teaching. 3 cr. hrs.
Introduction to the role of the academic educator and developing learner-centered educational experiences to meet cognitive, affective and psychomotor learning outcomes in healthcare education. Explores evidence-based practices for teaching, using cognitive and learning theories, with an emphasis on application of practical strategies to plan and conduct educational experiences in nursing and other healthcare disciplines.

HEAL 6102. Curriculum Design and Implementation. 3 cr. hrs.
Introduction to the process of curriculum development including philosophical, social, political, economic and professional issues that need to be considered in planning new curricula, evaluating existing curricula and understanding changing curricula for the academic educator in health care disciplines. Examines unique aspects of planning and implementing curricula in different educational environments, with an emphasis on application of practical and evidence-based strategies.

HEAL 6103. Assessment and Evaluation of Individuals and Programs in Health Care Education. 3 cr. hrs.
Introduces the role of the academic educator in integrating concepts of assessment and evaluation of individuals and programs within healthcare education. Assessment, feedback and evaluation concepts, models and frameworks are analyzed for applicability to teaching and learning environments in the classroom, clinical settings and programs. Item writing, implementation, analysis and revision pertinent to testing is applied to different environments.

HEAL 6104. Facilitating Learning in Clinical Environments. 3 cr. hrs.
Focuses on the role of the academic educator in clinical environments within healthcare education. Includes application of theory, evidence-based practice, curriculum, instruction, assessment and evaluation strategies to successfully conduct educational experiences in traditional and simulation clinical environments.

HEAL 6105. Facilitating Learning in Classroom and Online Environments. 3 cr. hrs.
Focuses on the role of the academic educator in classroom and online environments within healthcare education. Includes application of theory, evidence-based practice, curriculum, instruction, assessment and evaluation strategies to successfully conduct educational experiences in the classroom and online (synchronous and asynchronous) environments.

HEAL 6820. Health Care Program Development. 3 cr. hrs.
Principles of population assessment, critical analysis of data, program development, implementation and evaluation. Includes one credit of practicum. Prereq: NURS 6009; or cons. of instr.

HEAL 6825. Quality & Patient Safety in Health Care. 3 cr. hrs.
Theories and principles of leadership and organizational change applied to quality and patient safety in health care. Strategies for developing the culture and infrastructure needed to support patient safety and quality improvement initiatives.

HEAL 6830. Quality Improvement Science in Health Care. 3 cr. hrs.
Explores improvement science including quality and patient safety theories, models, methods and tools. Application of measurement, data management and analysis to quality improvement and patient safety challenges.
HEAL 6835. Health Care Informatics, Technology and Professional Issues. 3 cr. hrs.
Examines current health care realities, with an emphasis on the use of technology for policy, regulation, collaboration and interdisciplinary practice issues. Includes information technology applications in healthcare administration, clinical practice and education.

HEAL 6836. Marketing and Economics in Health Care. 3 cr. hrs.
Provides a grounding in basic marketing concepts and practices and an economic framework from which to better understand the health care environment, its challenges and opportunities.

HEAL 6837. Managing Human Capital in Health Care. 3 cr. hrs.
Principles and practices for the acquisition and management of human talent in health care organizations.

HEAL 6838. Leading People, Innovation and Strategic Change in Health Care Organizations. 3 cr. hrs.
Models, competencies and practices of highly effective, ethically driven and data focused strategic leaders in health care. Highlights principles and practices for managing change and innovation.

HEAL 6839. Healthcare Fiscal Management. 3 cr. hrs.
Presents foundational concepts of accounting, budgeting and finance in healthcare environments. Emphasizes the leader’s role in understanding, analyzing and using relevant financial information for management decision making in a healthcare setting.

HEAL 6840. The Environment of Health Care Delivery. 3 cr. hrs.
Overview of U.S. health care system, environmental influences, and current models for health care delivery (e.g., fee for service, modified fee for service, managed care, capitated care, IPOs, HMOs), and the ascendency/descendency of various models in different geographic regions and in response to economic incentives. Prereq: Enrolled in Graduate School.

HEAL 6841. Health Care Finance. 3 cr. hrs.
Examination of financial principles, budgeting and reimbursement issues in health care. Prereq: NURS 6009; or cons. of instr.

HEAL 6845. Case Management. 3 cr. hrs.
Care services coordination of individuals and families to maximize resources for optimal health outcomes. Emphasis on integration of clinical and management processes. Includes one credit of practicum. Prereq: Health profession experience or cons. of instr.

HEAL 6846. Health Care Informatics. 3 cr. hrs.
Study of informatics in health care with emphasis in information systems and use of communication technology. Includes evaluation of actual and potential applications of informatics in health care administration, clinical practice, research and education.

HEAL 6848. Health Care Policy. 3 cr. hrs.
Concepts of public policy including the political process. Analysis of health care issues using a variety of policy models.

HEAL 6931. Topics in Health Care. 1-4 cr. hrs.
In-depth study of current issues in health care. Course content will be announced each term.

HEAL 6963. Individual Study and Practice. 1-3 cr. hrs.
Individual study and development of in-depth knowledge and skill in a selected area of health care. Experience and activities planned in an area for specialization, based on aptitude and interests of the student. May be repeated for credit. Prereq: Cons. of instr.

HEAL 6965. Applied Health Data Analytics Practicum. 3 cr. hrs.
Application of advanced health care data analytics knowledge in a mentor-guided experience in a practical setting. Prereq: HEAL 8016.

HEAL 6995. Independent Study in Health Care. 1-3 cr. hrs.
Prereq: Cons. of instr.

HEAL 7010. Translational Research. 3 cr. hrs.
Principles of evidence-based practice and implementation science applied to the translation of evidence to health care practice. Prereq: NURS 6010, HEAL 8015 or equiv.

HEAL 7012. Epidemiology. 3 cr. hrs.
Study of patterns of health/illness in specific populations and analysis of risk. Application of epidemiology methods, including biostatistics.

HEAL 7049. Outcomes Management. 3 cr. hrs.
Evolution of outcomes management. Exploration of methodologies, assessment instruments and issues that guide outcomes research. Prereq: NURS 6010 or cons. of instr.

HEAL 7825. Quality and Patient Safety in Health Care. 3 cr. hrs.
Theories and principles of leadership and organizational change applied to quality and patient safety in health care. Strategies for developing the culture and infrastructure needed to support patient safety and quality improvement initiatives.

HEAL 7830. Quality Improvement Science in Health Care. 3 cr. hrs.
Explores improvement science including quality and patient safety theories, models, methods and tools. Application of measurement, data management and analysis to quality improvement and patient safety challenges.

HEAL 7835. Health Care Informatics, Technology and Professional Issues. 3 cr. hrs.
Examines current health care realities, with an emphasis on the use of technology for policy, regulation, collaboration and interdisciplinary practice issues. Includes information technology applications in health care administration, clinical practice and education.
HEAL 8002. Qualitative Research. 3 cr. hrs.
Analysis of key qualitative research methods, issues related to these approaches, and the nature of knowledge generated.

HEAL 8003. Quantitative Research. 3 cr. hrs.
Explores and analyzes advanced quantitative methodologies and issues related to these approaches. Prereq: HEAL 8015, which may be taken concurrently and HEAL 8016, which may be taken concurrently.

HEAL 8010. Health Equity and Disparity. 3 cr. hrs.
Concepts, theories and research relevant to health equity, with emphasis on the multiple contextual influences that contribute to health disparities.

HEAL 8015. Applied Statistics for Health Sciences. 3 cr. hrs.
Overview of applied statistics, including descriptive statistics, probability, sampling, power calculations, bivariate parametric and non-parametric analysis, and introduction to multivariate analysis. Emphasis on appropriate statistics for study design, level of measurement, and interpretation of results.

HEAL 8016. Advanced Applied Statistics. 3 cr. hrs.
An overview of advanced applied statistics focusing on multivariate analysis, including multivariate normal distribution, principle components analysis, factor analysis and cluster analysis. Emphasizes appropriate statistics for study design, level of measurement and interpretation of results. Prereq: HEAL 8015 or equiv., or cons. of instr.

HEAL 8018. Advanced Measurement in Health Care. 3 cr. hrs.
Theory and science of measurement commonly used in health care. Analytic procedures for addressing measurement issues. Prereq: HEAL 8015 or PSYC 8101; HEAL 8016 or PSYC 8102, which may be taken concurrently; or cons. of instr.

Nursing Courses

NURS 5930. Special Topics in Nursing. 1-3 cr. hrs.
In consultation with the Office of the Registrar, may be offered as an experimental course to students, in order to evaluate and determine if a course should be incorporated into the regular curriculum of a program, or can also be used for courses that are in the curriculum approval process pipeline; however, are not yet officially approved; therefore cannot appear in the Bulletin. Once the same course has been offered twice as a Special Topic, it cannot be offered again until it moves through the curriculum approval process and is approved with a regular curriculum course number or one of the standard numbers below. This course number may not be used for a single student studying a particular subject matter.

NURS 5931. Topics in Nursing. 3 cr. hrs.
Selected topics in Nursing. The topics will be designated in the Schedule of Classes.

NURS 6000. Theoretical Foundations of Nursing. 3 cr. hrs.
Exploration of the theoretical basis of nursing practice. Includes nursing, learning, cultural, leadership, developmental and communication theories. Prereq: Admitted to NURS program.

NURS 6001. Health Assessment and Fundamentals 1. 3 cr. hrs.
Development of knowledge and skills needed for comprehensive and focused patient-centered assessments and select nursing interventions. Emphasis on the development of clinical reasoning and communication skills in the provision of culturally appropriate, ethical, and safe evidence-based care. Includes the historical development of nursing and current nursing and healthcare issues. Prereq: Admitted to Direct Entry M.S.N. program.

NURS 6002. Health Assessment and Fundamentals 2. 4 cr. hrs.
Continued development of knowledge and skills in assessment and nursing intervention. Emphasis on ethics, quality and safety in the planning and evaluation of culturally appropriate nursing care. Prereq: NURS 6001; admitted to Direct Entry M.S.N. program.

NURS 6003. Essentials for Nursing Practice. 3 cr. hrs.
Exploration of the nursing profession focusing on communication, the impact of the nurse, fostering an appreciation for human diversity and social justice. Prereq: Admitted to Direct Entry M.S.N. program.

NURS 6005. Concepts and Interventions for the Promotion of Mental Health -- Theory. 3 cr. hrs.
Focuses on understanding the biological, environmental, cultural, intrapersonal and interpersonal factors influencing mental health; development of skills for assessment of mental status and emotional state and intervention modalities; simulated practice responding to common psychiatric problems and immediate interventions for psychiatric emergencies. Prereq: NURS 6001, NURS 6002.

NURS 6007. Ethics, Policy and Health Care Advocacy. 3 cr. hrs.
Impact of ethics and policy on nursing practice, advocacy and social justice in healthcare.

NURS 6009. Organizational and Systems Leadership. 3 cr. hrs.
Study of organizations and systems to impact patient outcomes. Examines concepts of nursing leadership, quality and safety, and health care technology. Prereq: Admitted to NURS program.

NURS 6010. Research and Evidence as a Foundation for Nursing. 3 cr. hrs.
Develop knowledge of research and evidence-based practice processes. Analyze and translate evidence for practice to improve individual, family and community health outcomes. Prereq: Statistics.

NURS 6011. Health Assessment and Fundamentals Theory. 3 cr. hrs.
Develops knowledge and skills needed to complete comprehensive and focused assessments and apply foundational skills for select nursing interventions across the lifespan. Emphasizes the development of clinical reasoning and communication skills in the provision of culturally appropriate, ethical and safe evidence-based care. Prereq: NURS 6013 which must be taken concurrently; admitted to Direct Entry M.S.N. program.
NURS 6013. Health Assessment and Fundamentals Lab/Clinical. 2 cr. hrs.
Perform appropriate comprehensive clinical assessments using therapeutic communication techniques. Differentiate between normal and abnormal assessments findings. Develop a collaborative plan of care and perform appropriate nursing interventions. Prereq: NURS 6011 which must be taken concurrently.

NURS 6015. Pharmacotherapeutics for Nursing Practice. 3 cr. hrs.
Basic principles of pharmacology and pharmacotherapeutics as applied to patients across the life span. Includes nursing implications for administration, patient teaching, and evaluation of safety and effectiveness. Prereq: Admitted to the Direct Entry program.

NURS 6030. Pathophysiological Concepts for Advanced Nursing Practice. 3 cr. hrs.
Investigation of normal physiologic and pathologic mechanisms of disease as a foundation for clinical assessment, decision-making and management. Establishment of knowledge base necessary for the provision of health care in an advanced nursing specialty. Prereq: Admitted to NURS program.

NURS 6032. Pharmacology for Advanced Nursing Practice. 3 cr. hrs.
Preparation of the advanced practice nurse in the area of pharmacology across the lifespan. Topics include pharmacokinetics, pharmacodynamics, major drug categories, and prescribing responsibilities. Prereq: Admitted to NURS program.

NURS 6035. Advanced Health Assessment Across the Lifespan. 3 cr. hrs.
Develop advanced assessment skills to systematically collect, analyze, and interpret data to make sound clinical judgments related to a client's health status across the lifespan. Includes appropriate diagnostics and their interpretation (2 credits didactic, 1 lab credit). Prereq: Admitted to NURS program.

NURS 6037. Management of Episodic Health Problems. 3 cr. hrs.
Assessment, differential diagnoses, interventions and evaluation of adults and older adults with acute, episodic, self-limiting conditions. Prereq: NURS 6032 and NURS 6035, both of which may be taken concurrently.

NURS 6100. Community and Population Health Nursing. 3 cr. hrs.
Integration of community health nursing theory and public health sciences to provide a theoretical basis for aggregate-level care in partnership with communities. Prereq: NURS 6001, NURS 6002, NURS 6030.

NURS 6201. Nursing Concepts and Interventions for the Care of Adults/Older Adults 1 - Theory. 3 cr. hrs.
Focuses on holistic nursing care and clinical reasoning in prevention, assessment and management of select health issues including end-of-life care. Includes concepts and evidence-based practice across the care continuum related to problems with select cardiac, respiratory, digestive and endocrine conditions. Prereq: NURS 6002, NURS 6030, NURS 6015; NURS 6005, NURS 6970, NURS 6201 and NURS 6500, which may be taken concurrently.

NURS 6202. Nursing Concepts and Interventions for the Care of Adults/Older Adults 2 - Theory. 3 cr. hrs.
Focuses on holistic nursing care and clinical reasoning in prevention, assessment and management of adults and older adults with select health issues including end-of-life care. Includes concepts and evidence-based practice across the care continuum related to problems with select endocrine, fluid and electrolytes, neurological, renal, oncologic and orthopedic conditions, as well as operative and trauma care. Prereq: NURS 6970.

NURS 6240. Complex Health Problems. 3 cr. hrs.
Analysis of patterns of common health problems and select treatment modalities common to adults and older adults. Prereq: NURS 6032 and NURS 6035; and NURS 6030, which may be taken concurrently.

NURS 6242. Concepts and Interventions for Health Problems Across the Life-Span. 3 cr. hrs.

NURS 6244. Health Promotion Across the Life-Span. 3 cr. hrs.
Theories and models of health promotion, wellness, and risk reduction. Designing therapeutic interventions to promote the health of individuals and aggregates across the life-span.

NURS 6251. Advanced Nursing of Adults-Gerontology 1-Clinical. 3 cr. hrs.
Application of the clinical judgment process to advanced nursing of adults-older adults. Emphasis on systematic data gathering, documentation, health promotion and risk assessment of adults-older adults across the life cycle. Prereq: NURS 6037; NURS 6240 and NURS 6244, which may be taken concurrently.

NURS 6252. Advanced Nursing of Adults-Gerontology 2-Clinical. 3 cr. hrs.
Illness management in adults-older adults in the context of the family and environment. Emphasis on diagnosis and therapeutic interventions. Prereq: NURS 6251; NURS 6242, which may be taken concurrently.

NURS 6253. Advanced Nursing of Adults-Gerontology 3-Clinical. 3 cr. hrs.
Care of select populations of adults-older adults with emphasis on management of complex illness processes. Focuses on care coordination and aggregate interventions. Prereq: NURS 6252.

NURS 6258. Adult Gerontology Clinical Nurse Specialist 1 - Clinical. 3 cr. hrs.
Development of the clinical nurse specialist role through integration of nursing science to improve health care outcomes of adults and older adults. Focus on the direct care competencies of the role such as advanced assessment of individuals, families and groups and application of evidence based interventions, as well as consultation and education roles. Prereq: NURS 6032 and NURS 6035; NURS 6244, which may be taken concurrently.

NURS 6259. Adult Gerontology Clinical Nurse Specialist 2 - Clinical. 3 cr. hrs.
Development of the Clinical nurse specialist role competencies of systems leadership, coaching, participation in research and evaluation of clinical practice. Continued development of direct care competency skills. Prereq: NURS 6258 and NURS 6242, which may be taken concurrently.
NURS 6335. Differential Diagnosis and Advanced Skills for the Acutely Ill Adult. 3 cr. hrs.
Advanced nursing knowledge and skills for assessment of acutely ill adults using technology. Differential diagnoses, selection and interpretation of appropriate diagnostic tests. Includes 40 hours of clinical practice. Prereq: NURS 6030, NURS 6032, NURS 6035, and NURS 6037, all of which may be taken concurrently.

NURS 6340. Complex Acute Care Problems. 3 cr. hrs.
Analysis of complex pathophysiological conditions commonly encountered among acutely ill adults with selection of appropriate treatment modalities. Emphasis on recognizing patterns of acute illness and on developing clinical reasoning. Prereq: NURS 6030, NURS 6032, NURS 6037, NURS 6240 and NURS 6335, all of which may be taken concurrently.

NURS 6351. Advanced Nursing Care of the Acutely Ill Adult-Older Adult 1-Clinical. 3 cr. hrs.
Development of the clinical judgment process and advanced skills for collaborative care of adult-older adults experiencing acute illness in the hospital-based/tertiary care environment. Emphasis on systematic data gathering, documentation, health promotion, and primary, secondary and tertiary risk reduction strategies. Prereq: NURS 6030, NURS 6032, NURS 6037, NURS 6240, NURS 6335, NURS 6340 all of which may be taken concurrently.

NURS 6352. Advanced Nursing Care of the Acutely Ill Adult-Older Adult 2-Clinical. 3 cr. hrs.

NURS 6353. Advanced Nursing Care of the Acutely Ill Adult-Older Adult 3-Clinical. 3 cr. hrs.
Implementation of the acute care advanced practice role in providing nursing care to complex acutely ill adults-older adults. Emphasis on case management and coordination within and between systems. Prereq: NURS 6352.

NURS 6461. Psychopathology. 3 cr. hrs.
Preparation of the advanced practice nurse in the area of psychopathology as a foundation for clinical assessment, decision making and management. Prereq: NURS 6462, which may be taken concurrently; or cons. of instr.

NURS 6462. Psychopharmacology. 3 cr. hrs.
Preparation of the advanced practice nurse in the area of psychopharmacology. Covers topics of pharmacokinetics, pharmacodynamics, major drug categories, and prescribing responsibilities in the treatment of psychiatric/mental health conditions. Prereq: NURS 6461, which may be taken concurrently; or cons. of instr.

NURS 6463. Psychiatric Mental Health Assessment & Interventions 1. 3 cr. hrs.
Diagnostic reasoning, advanced clinical history taking, and psychiatric assessment in patients and families across the lifespan. Emphasis on the development of therapeutic relationship skills and non-pharmacologic, evidence-based treatment modalities. Prereq: NURS 6461 and NURS 6462.

NURS 6464. Psychiatric Mental Health Assessment & Interventions 2. 3 cr. hrs.
Emphasis on further development of therapeutic relationship skills and nonpharmacologic, evidence-based treatment modalities. Health policy, ethics, and advocacy; technology and information literacy; health delivery system and professional role development. Prereq: NURS 6463.

NURS 6500. Family-Centered Nursing of Children. 3 cr. hrs.
Family-centered nursing of children and adolescents in diverse populations. Focuses on health promotion, maintenance, acute and chronic problems including end-of-life care. Prereq: NURS 6002, NURS 6030.

NURS 6536. Complex/Chronic Pediatric Health Conditions. 3 cr. hrs.
Study of the theoretical and empirical bases for management of children and adolescents with complex and chronic health conditions across the health care continuum. Prereq: NURS 6032, NURS 6035; and NURS 6030, which may be taken concurrently.

NURS 6540. Seminar in Child and Family Health. 3 cr. hrs.
Exploration of advanced concepts related to the physical, psychosocial and developmental dimensions of child and adolescent health. Analysis of family theories and models relevant to advanced practice nursing of children. Prereq: Admitted to NURS program.

NURS 6542. Nursing Therapeutics for Acute/Episodic Illnesses in Children and Adolescents. 3 cr. hrs.
Study of the theoretical basis for the diagnosis and case management of children and adolescents with common age-related acute or episodic illness. Focuses on differential diagnosis and nursing therapeutics. Prereq: Admitted to NURS program.

NURS 6551. Advanced Nursing Care of Children and Families 1-Clinical. 3 cr. hrs.
Assessment and intervention for children and families regarding common health concerns, with an emphasis on well child care. Prereq: NURS 6030; which may be taken concurrently, and NURS 6032 and NURS 6540; which may be taken concurrently, and NURS 6035.

NURS 6552. Advanced Nursing Care of Children and Families 2-Clinical. 3 cr. hrs.
Assessment and intervention for children and families with common to complex health concerns. Beginning development of indirect care skills. Prereq: NURS 6551.

NURS 6553. Advanced Nursing Care of Children and Families 3-Clinical. 3 cr. hrs.
Assessment and intervention for children and families with common to complex health concerns. Refinement of direct and indirect care skills. Prereq: NURS 6009 and NURS 6552.

NURS 6640. Nursing Therapeutics for Acute/Critical Illnesses in Children and Adolescents. 3 cr. hrs.
Focuses on differential diagnosis, clinical management and nursing therapeutics for hospitalized children and adolescents with acute or critical illness. Prereq: NURS 6032, NURS 6035; and NURS 6030, which may be taken concurrently.
NURS 6651. Acutely Ill Children - Clinical 1. 3 cr. hrs.
Assessment and intervention for children and families regarding common acute health concerns. Includes clinical hours that focus on the health care needs of the well child/child with illness not requiring hospitalization, as well as clinical practice with acutely ill hospitalized children. Prereq: NURS 6032, NURS 6035; and NURS 6030, which may be taken concurrently.

NURS 6652. Acutely/Critically Ill Children - Clinical 2. 3 cr. hrs.
Assessment, intervention and clinical management of acute/chronic illness in children. Collaboration with physicians and other health care providers and agencies to provide and coordinate services. Prereq: NURS 6651 or NURS 6652; NURS 6030; NURS 6640, which may be taken concurrently.

NURS 6653. Critically Ill Children - Clinical 3. 3 cr. hrs.

NURS 6700. Maternity Nursing and Women’s Health - Theory. 3 cr. hrs.
Focuses on nursing, health promotion, families in transition and adaptation from preconception through postpartum, perinatal loss, intranatal care, genetics and women's health from a global perspective. Prereq: NURS 6002, NURS 6030.

NURS 6740. Advanced Concepts in Women’s Health Care Management Across the Life Span. 3 cr. hrs.
Strategies to promote health and wellness across the life span in the provision of primary care for women, emphasizing nurse-midwifery management. Examines sociocultural implications in the environment impacting upon clients and providers. Prereq: Admitted to NURS program; and NURS 6032, which may be taken concurrently; or cons. of instr.

NURS 6742. Advanced Concepts in Antepartum Management. 3 cr. hrs.
Study and application of nurse-midwifery process strategies to promote biopsychosocial and spiritual health in women and families experiencing pregnancy. Includes families with potential health deviations. Prereq: NURS 6740; or cons. of instr.

NURS 6743. Advanced Concepts in Nurturian Management. 3 cr. hrs.
Postpartum nurse-midwifery management of mothers, neonates, and families, including those with potential health deviations. Prereq: NURS 6740 or cons. of instr.

NURS 6746. Professional Issues in APN/DNP Practice. 3 cr. hrs.
Overview of history, trends and dynamic social forces affecting education, regulation, growth and development of APN/DNP professional practice. Examination of legislation, policy, practice issues and leadership in providing quality care for diverse populations. Prereq: Taken in the final semester of the BSN-DNP program; or admitted to master's nurse-midwifery program.

Study of the science of labor support. Special attention to non-pharmacologic approaches and contemporary childbirth education options. Prereq: Admitted to master's nurse-midwifery program; NURS 6742 or cons. of instr.

NURS 6752. Nurse-Midwifery Care During Labor and Birth. 5 cr. hrs.
Nurse-midwifery management of women during the intrapartal period. Assessment of maternal-fetal status, with appropriate interventions and non-technologic approaches, in the context of family-centered care. Includes theory and practicum. Prereq: Admitted to NURS program; and NURS 6037 and NURS 6740 and NURS 6744; or cons. of instr.

NURS 6753. Advanced Practicum in Nurse-Midwifery. 7 cr. hrs.
Development of nurse-midwifery practice role through intensive clinical experience. Strengthening clinical practice and leadership for professional challenges in nurse-midwifery. Practicum hours to be determined by individual student's progression through program experience requirements. Prereq: Admitted to NURS program; NURS 6752.

NURS 6854. Professional Role Development - Clinical. 3 cr. hrs.
Integration and application of leadership knowledge and skills in role development and transition. Opportunity to demonstrate synthesis of leadership concepts to enhance role effectiveness in real world setting. Prereq: HCAD 6535, HCAD 6540, both of which may be taken concurrently; or cons. of instr.

NURS 6931. Topics in Nursing. 1-4 cr. hrs.
In-depth study of current trends in nursing. Subject to be announced each term. Prereq: Admitted to NURS program.

NURS 6932. Individual Study and Practice. 1-3 cr. hrs.
Individual study and development of in-depth knowledge and skill in a selected area of nursing. Experience and activities planned in an area for specialization, based on aptitude and interests of the student. May be repeated for credit. Prereq: Admitted to NURS program; and cons. of instr.

NURS 6965. Psychiatric Mental Health Nurse Practitioner Practicum 1. 2 cr. hrs.
Beginning assessment, management and evaluation of outcomes in psychiatric mental health settings which may include children, adolescents, adults and older adults with emphasis on pharmacologic and non-pharmacologic management of common psychiatric mental health concerns. Prereq: NURS 6463, which may be taken concurrently.

NURS 6966. Psychiatric Mental Health Nurse Practitioner Practicum 2. 2 cr. hrs.
Advanced assessment, management and evaluation of outcomes in psychiatric mental health settings which may include children, adolescents, adults and older adults with emphasis on pharmacologic and non-pharmacologic management of psychiatric mental health concerns. Prereq: NURS 6464, which may be taken concurrently; NURS 6965.
NURS 6967. Psychiatric Mental Health Nurse Practitioner Practicum 3. 2 cr. hrs.
Advanced assessment, management and evaluation of outcomes in psychiatric mental health settings which may include children, adolescents, adults and older adults with emphasis on complex pharmacologic and non-pharmacologic management of psychiatric mental health concerns. Prereq: NURS 6966.

NURS 6970. Nursing Care for Patients with Chronic Conditions - Clinical. 4 cr. hrs.
Comprehensive patient-centered nursing care of adults or children with chronic conditions across the care continuum. Emphasizes health promotion, health maintenance and palliation. Includes simulations. Prereq: NURS 6002, NURS 6015, NURS 6030; NURS 6005, NURS 6201 and NURS 6500, which may be taken concurrently.

NURS 6971. Nursing Care for Patients with Acute Conditions - Clinical. 4 cr. hrs.
Comprehensive patient-centered nursing care of adults or children with acute conditions. Emphasizes health promotion, health maintenance, restoration, palliation and end of life. Includes simulation. Prereq: NURS 6970, NURS 6005, NURS 6201, NURS 6500; NURS 6700, NURS 6100, and NURS 6200, which may be taken concurrently.

NURS 6973. Professional Nursing Practice - Clinical. 3 cr. hrs.
A clinical immersion experience emphasizing patient-centered nursing care with a focus on clinical outcomes and the care management environment. Prereq: NURS 6971.

NURS 6975. Family Nurse Practitioner Practicum. 3 cr. hrs.
Assessment and intervention in primary care for clients across the lifespan with emphasis on management of common and complex health concerns. Refinement of direct and indirect care skills. Prereq: Admitted to Post-master's FNP program and cons. of dept. ch.

NURS 6976. Transition to Nursing Practice and Leadership - Clinical. 3 cr. hrs.
Advanced clinical immersion experience to coordinate and implement care of a caseload of clients, in coordination with an interprofessional team. Emphasizes the transition to a leader in care delivery as a beginning master's prepared nurse. Prereq: NURS 6973.

NURS 6995. Independent Study in Nursing. 1-3 cr. hrs.
Prereq: Admitted to NURS program; and cons. of instr.

NURS 6999. Master's Thesis. 1-6 cr. hrs.
S/U grade assessment. Prereq: Admitted to NURS program; approved thesis proposal; cons. of associate dean.

NURS 7810. Scientific Foundations of Nurse Anesthesia Practice. 3 cr. hrs.
Application of basic principles of chemistry, mathematics and physics in nurse anesthesia practice. Includes analysis of anesthesia equipment and monitoring devices. Prereq: Admitted to nurse anesthesia program.

NURS 7811. Nurse Anesthesia Advanced Physiology. 4 cr. hrs.
Application of advanced cell biology and systems physiology applied to nurse anesthesia practice. Prereq: NURS 7810.

NURS 7812. Nurse Anesthesia Neurobiology. 4 cr. hrs.
Study of the structure and function of the human nervous system applied to normal and abnormal functions across the lifespan. Focus on advanced anatomy, histology, neurobiology and neurology as related to anesthesia. Prereq: NURS 7810.

NURS 7813. Nurse Anesthesia Basic Principles. 3 cr. hrs.
Comprehensive foundational content for nurse anesthesia practice. Focus on general clinical skills in the practice of anesthesia. Prereq: NURS 7810.

Anesthesia management principles for surgical specialty areas including pertinent foundations in anatomy, physiology, pathophysiology and pharmacology. Prereq: NURS 7813.

NURS 7815. Professional Issues in Nurse Anesthesia DNP Practice. 3 cr. hrs.
Issues germane to nurse anesthesia practice: history, role, ethics and legal/professional issues. Prereq: Admitted to the nurse anesthesia program.

NURS 7816. Nurse Anesthesia Advanced Pharmacology. 3 cr. hrs.
Comprehensive study of anesthetic agents and adjuvants along with drugs frequently encountered in the perioperative setting. Pharmacokinetics, pharmacodynamics, potential drug interactions, the impact of aging and various disease processes on dosing and administration of these drugs. Prereq: NURS 7810, NURS 7813.

Anesthetic management principles for obstetric and pediatric patients including pertinent foundations in anatomy, physiology, pathophysiology and pharmacology. Prereq: NURS 7814.

NURS 7818. Topics in Nursing. 1-3 cr. hrs.
Selected topics in Nursing. Specific topics and prerequisites will be designated in the Schedule of Classes.

NURS 7931. Topics in Nursing. 1-3 cr. hrs.
Selected topics in Nursing. Specific topics and prerequisites will be designated in the Schedule of Classes.

NURS 7955. Health Care Management and Leadership - Clinical. 3 cr. hrs.
Integration and application of management and leadership concepts and skills in health care settings, working with nurses and other disciplines. Students participate in real world analyses and management of process change. Prereq: NURS 6854.

NURS 7970. Nurse Anesthesia Clinical I. 1 cr. hr.
Clinical practice focused on development of nurse anesthesia practice within surgical specialty areas. Prereq: NURS 7810, NURS 7811, NURS 7812 and NURS 7813.
NURS 7971. Nurse Anesthesia Clinical 2. 2 cr. hrs.
Clinical practica focused on development of nurse anesthesia practice within surgical specialty areas. Prereq: NURS 7970.

NURS 7972. Nurse Anesthesia Residency 1. 4 cr. hrs.
Introductory mentored nurse anesthesia clinical. Prereq: NURS 7817, NURS 7971.

NURS 7973. Nurse Anesthesia Residency 2. 4 cr. hrs.
Intermediate mentored nurse anesthesia clinical. Prereq: NURS 7972.

NURS 7974. Nurse Anesthesia Residency 3. 4 cr. hrs.
Advanced mentored nurse anesthesia clinical. Prereq: NURS 7973.

NURS 7980. Residency for DNP with Adults/Older Adults Primary Care. 3 cr. hrs.

NURS 7981. Residency for DNP with Acutely Ill Adults. 3 cr. hrs.

NURS 7983. Residency for DNP with Children and Families in Primary Care. 3 cr. hrs.

NURS 7984. Residency for DNP with Ill Children/Adolescents. 3 cr. hrs.
Clinical immersion in practice with children and/or adolescents with acute/chronic illness. Emphasis on advanced, evidence-based care management in the context of family, community and culture. Prereq: NURS 6653.

NURS 7985. Residency for DNP in Nurse-Midwifery. 3 cr. hrs.

NURS 8000. Nursing Knowledge Development. 3 cr. hrs.
Examination of paradigmatic, theoretical, and conceptual dimensions of the nursing discipline with an emphasis on strategies for knowledge generation. Prereq: PHIL 6430 which may be taken concurrently.

NURS 8980. Nursing Research Seminar and Practicum. 1-3 cr. hrs.
Guided individual research experience. Develops skills related to grant writing, dissertation, and the conduct of research projects. Prereq: HEAL 8002 or HEAL 8003 or concurrent.

NURS 8981. Residency in Nursing Education. 1-3 cr. hrs.
Application of knowledge, theories, and skills to academic teaching in nursing. Prereq: Cons. of associate dean for graduate programs and research.

NURS 8982. Nursing Research and Practicum II. 1-3 cr. hrs.
Advanced work in guided individual research experience. Students develop advanced skills related to grant writing, dissertation and conduct of research projects. Prereq: NURS 8980.

NURS 8985. Independent Study in Nursing. 1-3 cr. hrs.
Investigations in selected areas of Nursing. Prereq: Cons. of instr. and cons. of dept. ch.

NURS 8995. Doctoral Dissertation. 1-12 cr. hrs.
S/U grade assessment. Prereq: Admitted to NURS program; and cons. of dept. ch.
NURS 9974. Graduate Fellowship: Full-Time. 0 cr. hrs.
Fee. SNC/UNC grade assessment. Prereq: Cons. of dept. ch.; and admitted to NURS program.

NURS 9975. Graduate Assistant Teaching: Full-Time. 0 cr. hrs.
Fee. SNC/UNC grade assessment. Prereq: Cons. of dept. ch.; and admitted to NURS program.

NURS 9976. Graduate Assistant Research: Full-Time. 0 cr. hrs.
Fee. SNC/UNC grade assessment. Prereq: Cons. of dept. ch.; and admitted to NURS program.

NURS 9977. Field Placement Continuation: Less than Half-Time. 0 cr. hrs.
Fee. SNC/UNC grade assessment. Prereq: Cons. of dept. ch.; and admitted to NURS program.

NURS 9978. Field Placement Continuation: Half-Time. 0 cr. hrs.
Fee. SNC/UNC grade assessment. Prereq: Cons. of dept. ch.; and admitted to NURS program.

NURS 9979. Field Placement Continuation: Full-Time. 0 cr. hrs.
Fee. SNC/UNC grade assessment. Prereq: Cons. of dept. ch.; and admitted to NURS program.

NURS 9984. Master's Comprehensive Examination Preparation: Less than Half-Time. 0 cr. hrs.
Fee. SNC/UNC grade assessment. Prereq: Cons. of dept. ch.; and admitted to NURS program.

NURS 9985. Master's Comprehensive Examination Preparation: Half-Time. 0 cr. hrs.
Fee. SNC/UNC grade assessment. Prereq: Cons. of dept. ch.; and admitted to NURS program.

NURS 9986. Master's Comprehensive Examination Preparation: Full-Time. 0 cr. hrs.
Fee. SNC/UNC grade assessment. Prereq: Cons. of dept. ch.; and admitted to NURS program.

NURS 9987. Doctoral Comprehensive Examination Preparation: Less than Half-Time. 0 cr. hrs.
Fee. SNC/UNC grade assessment. Prereq: Cons. of dept. ch.; and admitted to NURS program.

NURS 9988. Doctoral Comprehensive Examination Preparation: Half-Time. 0 cr. hrs.
Fee. SNC/UNC grade assessment. Prereq: Cons. of dept. ch.; and admitted to NURS program.

NURS 9989. Doctoral Comprehensive Examination Preparation: Full-Time. 0 cr. hrs.
Fee. SNC/UNC grade assessment. Prereq: Cons. of dept. ch.; and admitted to NURS program.

NURS 9994. Master's Thesis Continuation: Less than Half-Time. 0 cr. hrs.
Fee. SNC/UNC grade assessment. Prereq: Cons. of dept. ch.; and admitted to NURS program.

NURS 9995. Master's Thesis Continuation: Half-Time. 0 cr. hrs.
Fee. SNC/UNC grade assessment. Prereq: Cons. of dept. ch.; and admitted to NURS program.

NURS 9996. Master's Thesis Continuation: Full-Time. 0 cr. hrs.
Fee. SNC/UNC grade assessment. Prereq: Cons. of dept. ch.; and admitted to NURS program.

NURS 9997. Doctoral Dissertation Continuation: Less than Half-Time. 0 cr. hrs.
Fee. SNC/UNC grade assessment. Prereq: Cons. of dept. ch.; and admitted to NURS program.

NURS 9998. Doctoral Dissertation Continuation: Half-Time. 0 cr. hrs.
Fee. SNC/UNC grade assessment. Prereq: Cons. of dept. ch.; and admitted to NURS program.

NURS 9999. Doctoral Dissertation Continuation: Full-Time. 0 cr. hrs.
Fee. SNC/UNC grade assessment. Prereq: Cons. of dept. ch.; and admitted to NURS program.