



College of NURSING

Mary H. Mundt, DEAN

The nursing profession is committed to the promotion of health through the provision of high quality nursing care within the health care system. Nursing encompasses health promotion, health maintenance, acute care, and rehabilitation. The goal of nursing is to facilitate adaptation toward optimal health throughout the developmental continuum. To achieve this goal, the nurse interacts independently with the client and other members of the health team. Nursing, as a theory-based discipline, continually strives to improve the quality of care through the application of knowledge obtained through scientifically based inquiry.

The College of Nursing offers an undergraduate program leading to the Bachelor of Science in Nursing (B.S.N.) and graduate programs leading to the Master of Science in Nursing (M.S.N.) and the Doctor of Philosophy in Nursing (Ph.D.). The M.S.N. program is designed for the education of advanced practice nurses for roles such as: clinical nurse specialists, nurse anesthetists, and nurse practitioners. The Ph.D. program prepares nurse researchers.

UNDERGRADUATE PROGRAM

The Bachelor of Science in Nursing (B.S.N.) program is approved by the Michigan Board of Nursing and accredited by the Commission on Collegiate Nursing Education (CCNE). This program is designed to provide a broad professional preparation based on nursing science and is grounded in biological, physical and behavioral sciences as well as the humanities. The College offers three paths to the B.S.N. degree: Traditional B.S.N.; Accelerated Second Degree B.S.N.; and B.S.N. for Registered Nurses. The program is designed to prepare the student for nursing practice

with individuals, families, and populations in a variety of health states and health settings.

Opportunity for Lansing Community College and Macomb Community College Associate Degree in Nursing Students

Lansing Community College and Macomb Community College Associate Degree in Nursing students who have enrolled in clinical nursing courses in the nursing major at their respective college are eligible to apply for transfer admission to Michigan State University into the R.N. to B.S.N. program.

Students admitted to MSU and admitted to the R.N. to B.S.N. program enroll in two summer sessions (one course each summer session) at MSU while simultaneously enrolled in the Associate Degree in Nursing program. Upon graduation from the Associate Degree in Nursing program at Lansing Community College or Macomb Community College and successful completion of prerequisite courses for the B.S.N. and other program requirements, including but not limited to background check, drug screen, and fingerprinting, students will continue enrollment in the MSU R.N. to B.S.N. program.

Acceptance is determined by the applicant's previous academic record. Admission to the program is competitive; the most qualified candidates are selected from the pool of candidates meeting the minimum criteria.

To complete the application process, the student must:

1. Apply to the College of Nursing R.N. to B.S.N. program using the Office of Admissions application form. It is recommended that students apply during the first semester they are enrolled in the Associate Degree in Nursing program.

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2. Complete and submit the College of Nursing R.N. to B.S.N. supplemental application.
3. Complete all other undergraduate application requirements.
4. Have a cumulative grade-point average of 2.75 or higher upon completion of the Associate Degree in Nursing.
5. Earn a grade of 2.0 or higher in each science prerequisite course or its equivalent.
6. Complete the university's Tier I writing requirement.
7. Complete the university's mathematics requirement referenced in item 1. under the *Requirements for the Bachelor of Science in Nursing Degree in Nursing*.
8. Possess an active, unrestricted R.N. license to practice without probationary status prior to MSU clinical course work.

For additional information regarding transfer admission, refer to the *Transfer Student Admission* statement in the *Undergraduate Education* section of this catalog.

Opportunity for Incoming Freshmen

While admission to the College of Nursing is competitive and determined after completion of at least 56 credits (see **Admission as a Junior** below), high achieving, incoming freshmen students have the opportunity to earn conditional admission to the college. Prior to applying for such consideration, a prospective student must first be admitted to the university, under the pre-nursing preference, via the standard freshman application process.

Students may apply to the College of Nursing prior to their initial enrollment at MSU in order to be considered for acceptance to a future fall cohort. Consideration for conditional admission is competitive. Application materials for a future fall cohort must be completed by March 1st prior to the initial fall semester of enrollment. Applicants will be notified of the decision in writing by April 1st.

Minimal criteria for application:

1. ACT composite score of at least 28.
2. High school grade point average of at least 3.8 on a 4.0 scale.
3. Top 10% of high school graduating class.

If conditional admission to the College of Nursing is granted, the student must sign an agreement with the College of Nursing that the following academic conditions will be met in order to enter the nursing major as a junior:

1. Complete the pre-nursing curriculum in the first two years.
2. Earn a grade of 2.0 or higher in each science prerequisite course.
3. Maintain the minimum cumulative grade point average that is provided in the letter of agreement the student signs with the College of Nursing.

Students must be eligible and available to be admitted as a junior the fall semester of their third year of attendance. This includes successfully completing immunization requirements, criminal background checks, and drug screen reviews required of all nursing students prior to the start of clinical course work.

Admission as a Junior

Admission to the College of Nursing is competitive. Minimal criteria for application to the College are:

1. Completion of at least 56 credits acceptable to the College of Nursing with a cumulative grade-point average of 2.75 or higher.
2. Completion of the following pre-nursing foundation courses:

PSY 101	Introductory Psychology	4
HDFS 225	Lifespan Human Development in the Family	3
HNF 260	Principles of Human Nutrition	3
NUR 300	Pathophysiology	4
3. Completion of the alternative track to Integrative Studies in Biological and Physical Sciences referenced in item 1. under

4. A grade of 2.00 or higher in approved biological science, chemistry, microbiology and molecular genetics, human anatomy and physiology courses including required laboratory work or in courses completed in the alternative track to Integrative Studies in Biological and Physical Sciences and in Nursing 300.
5. Completion of the university's Tier I writing requirement.
6. Completion of the university's mathematics requirement referenced in item 1. under the *Requirements for the Bachelor of Science in Nursing Degree in Nursing*.
7. Satisfactory community service, work experience and letters of recommendation.

Applications for admission to the nursing major are reviewed twice each year. A limited number of positions are available during each selection period. Students may be admitted to the nursing major for either the fall semester or the spring semester.

Students who wish to be considered for admission to the nursing major must submit their applications to the College of Nursing by March 1 for admission to the fall semester and October 1 for admission to the spring semester. Applicants are encouraged to meet with a college undergraduate program advisor prior to the submission of their application materials.

Requirements for the Bachelor of Science in Nursing Degree in Nursing

1. The University requirements for bachelor's degrees as described in the *Undergraduate Education* section of the catalog; 120 credits, including general elective credits, are required for the Bachelor of Science in Nursing degree.

Students must take Statistics 200 to fulfill the mathematics requirement of the University.

Students who are enrolled in the Nursing major leading to the Bachelor of Science in Nursing degree in the College of Nursing may complete an alternative track to Integrative Studies in Biological and Physical Sciences that consists of the following courses: Biological Science 161, Chemistry 141 and 143, Microbiology and Molecular Genetics 201 and 302, Human Anatomy 350, and Physiology 250 or 310. The completion of Chemistry 143 and Microbiology and Molecular Genetics 302 satisfy the laboratory requirement.

The University's Tier II writing requirement for the Nursing major is met by completing Nursing 340, 460, and 480. Those courses are referenced in item 2. a. below.

2. The following requirements for the major:

		CREDITS
a.	All of the following courses:	48
	NUR 330 Health Assessment and Nursing Therapeutics . . . 7	
	NUR 340 Foundations of Nursing Practice 4	
	NUR 360 Acute Nursing Care of Adults and Older Adults . . 8	
	NUR 370 Mental Health and Psychiatric Nursing 4	
	NUR 435 Nursing Care of the Childbearing Family 4	
	NUR 440 Nursing Care of Children, Adolescents and Their Families 4	
	NUR 450 Integrative Seminar 2	
	NUR 460 Leadership Clinical Immersion 5	
	NUR 470 Community and Population Health Nursing 4	
	NUR 480 Role Transition Seminar 3	
	PHM 350 Introductory Human Pharmacology 3	

3. Admission as a Registered Nurse

Registered Nurses who have graduated from a diploma or associate degree program in nursing with a minimum cumulative grade-point average of 2.75, a minimum grade of 2.00 in all required science courses and who possess an active, unrestricted RN license to practice without probationary status will be granted 30 credits for successful completion of the National Council Licensing Examination for Registered Nurses (NCLEX-RN). Students should contact the College of Nursing regarding the application process and deadlines. The following are the requirements for the major for students admitted as Registered Nurses.

a.	All of the following courses:	32
	ISS 315 Global Diversity and Interdependence (I) 4	
	NUR 300 Pathophysiology 4	
	NUR 325 Transitions to BSN Practice 2	
	NUR 336 Health Promotion for the BSN 4	
	NUR 340 Foundations of Nursing Practice 4	
	NUR 355 Integrative Seminar I 2	
	NUR 455 Integrative Seminar II 2	
	NUR 465 Leadership Immersion 4	
	NUR 470 Community and Population Health Nursing 4	
	NUR 485 Integrative Seminar III 2	

Admission to the Second Bachelor's Degree Program

Students who have completed a bachelor's degree from an accredited and recognized college or university with a minimum cumulative grade-point average of 2.75 are eligible to apply. Applicants should contact the College of Nursing regarding the application process and deadlines. Completion of the following prerequisite courses with a minimum grade of 2.00 in all science courses is required for admission:

			CREDITS
ANTR	350	Human Gross Anatomy and Structural Biology	3
CEM	141	General Chemistry	4
HDFS	225	Lifespan Human Development in the Family	3
HNF	260	Principles of Human Nutrition	3
MMG	201	Fundamentals of Microbiology	3
NUR	300	Pathophysiology	4
PSL	250	Introductory Physiology	4
		Or	
PSL	310	Physiology for Pre-Health Professionals	4
PSY	101	Introductory Psychology	4
STT	200	Statistical Methods	3

Human Anatomy 350, Physiology 250 or 310, and Nursing 300 must be completed within ten years of program start.

GRADUATE STUDY

Three graduate programs in Nursing are offered: the Master of Science in Nursing (M.S.N.), which is accredited by CCNE, the Doctor of Nursing Practice (D.N.P.), and the Doctor of Philosophy (Ph.D.) with a major in Nursing. In the M.S.N. program, students pursue their educational program with faculty and clinical preceptors who have expertise and research in the student's chosen area of specialization. The College offers three paths to the M.S.N. degree: Nurse Practitioner Concentration; Clinical Nurse Specialist-Education Concentration; and Nurse Anesthesia Concentration which is also accredited by the Council on Accreditation of Nurse Anesthesia Educational Program. The college also offers post-master's graduate certificates in Clinical Nurse Specialist and Nurse Practitioner. The Doctor of Nursing Practice (D.N.P.) prepares advanced practice nurses to provide clinical, organizational and systems' leadership at the highest level while developing practitioners who design, implement and evaluate high quality and cost-effective healthcare services for diverse populations including the disadvantaged and underserved. The Doctor of Philosophy program is designed to prepare clinical nurse scientists to assume professional roles in academic and research settings with the purpose of engaging in a life of scholarly inquiry. The Ph.D. program offers students the opportunity to move in scholarly directions, and provides opportunities for interdisciplinary study.

Master of Science

The Master of Science in Nursing degree prepares graduates for roles that reflect current, emerging and expanding roles of nurses as providers and educators. The curricula for these advanced practice roles are designed in the context of related challenges, needs and increasing complexities within the systems of health care delivery, higher education, and professional nursing. The Master of Science in Nursing degree has been fully accredited by the Commission on Collegiate Nursing Education (CCNE).

The Master of Science in Nursing degree program consists of three concentrations. The first concentration, Nurse Practitioner, focuses on the preparation of advanced practice nurses as nurse practitioners. Within this concentration, there are two areas of study: adult/gerontology, and family. A second concentration, Clinical Nurse Specialist-Nurse Education, focuses on the preparation of advanced practice nurses who also have preparation as an educator. A third concentration, Nurse Anesthesia, prepares advanced practice nurses who will use specialized skills and

knowledge in the administration of anesthesia and pain management agents.

Nurse Practitioners, as advanced practice nurses, are in direct-care provider's role, use specialty skills and knowledge in providing care to clients of all ages and stages of development in primary care settings. The nurse practitioner curriculum prepares nurses to function interdependently with other health care providers to provide primary care. As part of this care, advanced practice nurses assess the physical, socio-emotional, and developmental states of individual clients and their families, analyze health behavior, apply clinical judgment, and intervene in a manner to improve the quality and effectiveness of health care delivery. They recognize the importance of health promotion, as well as early recognition and prompt treatment and management of illness, prevention of complications, and needed rehabilitation. Client and family education, guidance, and advocacy are vital characteristics of the advanced practice nurse's role. Graduates of the program will assume leadership roles as accomplished advanced nurse practitioners and will be eligible for licensure as an Advanced Practice Registered Nurse (APRN).

The Clinical Nurse Specialist-Nurse Education concentration is designed to prepare registered nurses to assume an advanced practice role as a clinical nurse specialist and nurse educator. The clinical nurse specialist-nurse educator assumes a professional leadership role to inform nursing practice, education, and health care delivery systems in the design and implementation of strategies to improve organizational, educational, and individual client, student, and nurse provider outcomes. Advanced practice clinical and educational expertise is reflected in the application of innovative evidence-based practice interventions and the development of collaborative relationships in order to address the health care needs of a diverse population. Graduates of the program will assume leadership roles as accomplished advanced nurse practitioners and will be eligible for licensure as a Clinical Nurse Specialist-Nurse Education.

Nurse Anesthetists are advanced practice nurses who use specialty skills and knowledge in the planning and administration of anesthesia and pain management agents. The Nurse Anesthesia Program has applied for Accreditation by the Council on Accreditation of Nurse Anesthesia Educational Programs (COA), 222 South Prospect Avenue, Park Ridge, Illinois 60068, (847) 655-1160. It is a rigorous, full-time program designed to educate Registered Nurses in academic knowledge, technical and clinical skills, and professional attitudes in nursing practice in preparation for safe administration of anesthesia. Graduates of the program will assume leadership roles as accomplished advanced practitioners in nurse anesthesia and will meet the requirements and be eligible for certification as Certified Registered Nurse Anesthetist (CRNA) and for licensure as an Advanced Practice Registered Nurse (APRN).

Students must meet the requirements of the university as described in the *Graduate Education* section of this catalog, in addition to the requirements of the College of Nursing specified below.

Students who are enrolled in the Master of Science in Nursing degree program may elect a specialization in Infancy and Early Childhood. For additional information, refer to the statement on *Interdepartmental Graduate Specialization in Infancy and Early Childhood* in the *College of Social Science* section of this catalog.

Admission

To be considered for admission to the Master of Science in Nursing program, an applicant must have:

1. Submitted a university application for admission and a curriculum vita.
2. Completed a Bachelor of Nursing degree from an accredited college or university.

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3. Current licensure to practice nursing as a Registered Nurse in the applicant's state or country. For those applicants practicing in Michigan, a current Registered Nurse Michigan license is required. Applicants who hold Registered Nurse licensure from other states or countries and who are in the Nurse Practitioner and Nurse Anesthesia concentration may be admitted provisionally with the requirement that a United States and Michigan Registered Nurse license must be obtained prior to progression to clinical courses.
4. A minimum grade-point average of 3.0 (4.0 scale) for total credits completed during the second-half of the four-year baccalaureate nursing program.
5. Applicants to the Nurse Anesthesia concentration must have completed the Verbal, Quantitative, and Analytical sections of the Graduate Record Examination within the last five years.
6. One year of clinical practice as a registered nurse prior to the clinical sequence of courses for the Nurse Practitioner concentration. No clinical practice experience is required prior to acceptance for the Clinical Nurse Specialist-Nurse Education concentration. One year of full-time clinical experience or equivalent as a Registered Nurse in an intensive care unit within the last five years is required for the Nurse Anesthesia concentration.
7. Successfully completed an undergraduate or graduate statistics course within the last five years. For those applicants applying to the Nurse Anesthesia concentration, they must have completed a three (3) credit undergraduate or graduate statistics course with a grade of 3.0 (4.0 scale) or better within the last five years.
8. Submitted a written essay of 150-200 words typed and double-spaced that addresses the applicant's career goals and motivations for graduate study in the selected area of specialty nursing practice: nurse practitioner, clinical nurse specialist-nurse education, or nurse anesthetist.
9. Submit three letters of recommendations. For those applicants applying to the Nurse Anesthesia concentration, the reference letters must be from a source that has direct knowledge of the applicant's work and educational experience specifying the applicant's ability to do graduate work.
10. Completed an admission interview with the College of Nursing faculty.
11. If the applicant's native language is not English, the applicant must complete the Test of English as a Foreign Language with a total score of 580 (paper version) or 21 (computer version). Equivalent scores on the English Language Center Test may be submitted.
12. If the applicant's native language is not English, the applicant must complete the Educational Testing Service Test of Spoken English (TSE) with a score of 50 or above.

Provisional Status

Applicants who do not meet the requirements for regular admission to the Master of Science in Nursing program may be accepted provisionally. Provisionally admitted students are required to satisfy deficiencies as specified in the letter of admission and will be formally removed from provisional status once the deficiencies are satisfied. Students on provisional status may not progress in the program if deficiencies are not satisfied in the specified time frame.

Requirements for the Master of Science in Nursing Degree in Nursing

A total of 45 to 82 credits is required for the degree under either Plan A (with thesis) or Plan B (without thesis) depending on the student's area of concentration. Students interested in pursuing a research focus or doctoral studies are encouraged to

pursue Plan A, which requires completion of a thesis. Students must meet the requirements specified below:

CREDITS

Requirements for Both Plan A and Plan B (12 credits):

1. All of the following courses:
 - NUR 802 Theoretical Foundations and Role Development for the Advanced Practice Nurse 3
 - NUR 804 Statistics for the Healthcare Professional 3
 - NUR 806 Research for Advanced Practice Nurses 3
 - NUR 814 Health Care Policy and Politics 3
2. Complete one of the following three concentrations:
 - NURSE PRACTITIONER**(33 to 38 credits)
 - a. All of the following courses (9 credits):
 - NUR 805 Pathophysiology for Advanced Practice Nursing . . 3
 - NUR 807 Clinical Decision Making 3
 - NUR 809 Applied Pharmacology for Advanced Practice Nursing 3
 - b. One of the following two areas of study (24 or 25 credits):
 - Family**
 - NUR 820 Health Assessment of the Family 3
 - NUR 821 Primary Care Management of the Family I 5
 - NUR 822 Practicum I: Primary Care for the Family 6
 - NUR 823 Primary Care Management of the Family II 3
 - NUR 824 Practicum II: Primary Care for the Family 7
 - Adult/Gerontological**
 - NUR 832 Practicum I: Primary Care for Adult and Aged . . . 6
 - NUR 834 Practicum II: Primary Care for the Adult and Aged 7
 - NUR 835 Health Assessment of the Adult and Aged 3
 - NUR 836 Primary Care Management of the Adult and Aged I 5
 - NUR 837 Primary Care Management of Adult and Aged II 3
 - NUR 838 Care for Aging Individuals Across the Healthcare Continuum 1
 - c. Pass a comprehensive examination at the completion of the course work.

Additional Requirements for Plan A

1. NUR 899 Master's Thesis Research 4
2. Complete a master's thesis acceptable to the student's thesis committee.
3. Pass an oral examination based on the thesis.

CLINICAL NURSE SPECIALIST-NURSE EDUCATION (34 to 38 credits)

- a. All of the following courses (34 credits):
 - NUR 805 Pathophysiology for Advanced Practice Nursing . . 3
 - NUR 807 Clinical Decision Making 3
 - NUR 809 Applied Pharmacology for Advanced Practice Nursing 3
 - NUR 860 Physical Assessment for Clinical Nurse Specialist 2
 - NUR 861 Curriculum Design in Nursing Education 3
 - NUR 862 Clinical Nurse Specialist Role Internship 8
 - NUR 864 Clinical Nurse Specialist Role Immersion 6
 - NUR 868 Topics in Nursing Education 3
 - NUR 866 Academic and Clinical Teaching Internship 3
- b. Pass a comprehensive examination at the completion of the course work.

Additional Requirements for Plan A

1. NUR 899 Master's Thesis Research 4
2. Complete a master's thesis acceptable to the student's thesis committee.
3. Pass an oral examination based on the thesis.

NURSE ANESTHESIA (66 to 70 credits)

- a. All of the following courses (66 credits):
 - ANTR 541 Gross Anatomy for Nurse Anesthesia 4
 - NUR 874 Clinical Practicum I 3
 - NUR 877 Anesthesia Physiology and Pathophysiology 3
 - NUR 878 Advanced Physiology and Pathophysiology 3
 - NUR 879 Chemistry and Physics of Anesthesia 3
 - NUR 880 Health Assessment for Nurse Anesthesia 3
 - NUR 881 Perioperative Technology and Instrumentation 2
 - NUR 882 Principles of Anesthesia I 3
 - NUR 883 Principles of Anesthesia II 3
 - NUR 884 Principles of Anesthesia III 3
 - NUR 885 Anesthesia Practicum I 1
 - NUR 886 Anesthesia Practicum II 2
 - NUR 887 Pharmacology for Anesthesia Practice I 3
 - NUR 888 Pharmacology for Anesthesia Practice II 3
 - NUR 892 Clinical Practicum II 7
 - NUR 893 Clinical Practicum III 7
 - NUR 894 Clinical Practicum IV 7
 - NUR 895 Clinical Seminar I 2
 - NUR 896 Clinical Seminar II 2
 - NUR 897 Clinical Seminar III 2
- b. Pass a comprehensive examination at the completion of the course work.

Additional Requirements for Plan A

1. NUR 899 Master's Thesis Research 4
2. Complete a master's thesis acceptable to the student's thesis committee.
3. Pass an oral examination based on the thesis.

Part-time Students

Although many nursing students pursue the master's degree on a part-time basis, all degree candidates will be expected to maintain minimum degree progress standards established by the College and published in the *College of Nursing Graduate Student Handbook*. Students are also expected to complete at least one course per semester until the degree is earned.

Academic Standards

A cumulative grade-point average of 3.0 and a grade of 3.0 in each nursing course is required.

Transfer Credits

Up to 25% (9 semester credits) of graduate course work (excluding thesis credits) may be transferred into the Master of Science in Nursing program from other National League for Nursing or Commission on Collegiate Nursing Education accredited programs upon approval of the College of Nursing.

Time Limit

The time limit for completing the degree is six years from the beginning of the first semester in which credit toward the degree was earned.

CLINICAL NURSE SPECIALIST

Graduate Certificate

The Graduate Certificate in Clinical Nurse Specialist provides both theoretical and clinical content related to meeting adult health care needs and prepares registered nurses who already earned a master's degree in nursing to take the American Nurses Credentialing Center Clinical Nurse Specialist certification examination.

The scheduling of the certificate program allows flexibility to accommodate both full-time students and working professionals by offering an online format with clinical placements in collaborating agencies throughout the state.

Admission

To be considered for admission into the Graduate Certificate program in Clinical Nurse Specialist, applicants must meet the requirements specified below:

1. Completion of a master's degree in nursing from a National League for Nursing (NLN) or Commission on Collegiate Nursing Education (CCNE) accredited program. A clinical focus is preferred.
2. Current licensure to practice nursing as a Registered Nurse in the applicant's state or country without restrictions.
3. A minimum grade-point average of 3.0 (4.0 scale) for total credits completed during their Master of Science in Nursing program.
4. One year of clinical practice as a Registered Nurse in the United States prior to the start of the program.
5. Submit an essay to the College of Nursing stating plans for post-graduate study including professional career goals.
6. Personal interview with College of Nursing faculty.
7. If the applicant's native language is not English, the applicant must complete the Test of English as a Foreign Language (TOEFL) with a total score of 580 (paper version) or 21 (computer version). Equivalent scores on the English Language Center Test may be submitted.

8. Three references from academic or employment sources.

No provisional admission will be allowed. An applicant must meet all of the requirements for admission upon acceptance. Although students may meet all admission requirements, they may be denied admission solely based on space availability in the program.

Requirements for the Graduate Certificate in Clinical Nurse Specialist

CREDITS

Students must complete all of the following courses (25 credits):

1. All of the following advanced practice nursing courses (11 credits):

NUR 805	Pathophysiology for Advanced Practice Nursing	3
NUR 807	Clinical Decision Making	3
NUR 809	Applied Pharmacology for Advanced Practice Nursing	3
NUR 860	Physical Assessment for Clinical Nurse Specialist	2

 Credit for these advanced practice nursing courses may be obtained through transfer of previous academic credit or waiver based on a transcript evaluation of previous course work.
2. Both of the following courses (14 credits):

NUR 862	Clinical Nurse Specialist Role Internship	8
NUR 864	Clinical Nurse Specialist Role Immersion	6

NURSE PRACTITIONER

Graduate Certificate

The Graduate Certificate in Nurse Practitioner provides both theoretical and clinical content related to meeting adult health care needs and prepares registered nurses who already earned a master's degree in nursing to take the American Nurses Credentialing Center Nurse Practitioner certification examination. Successful completion of an approved certification examination is a prerequisite for applying for nurse practitioner licensure at the state level.

The scheduling of the certificate program allows flexibility to accommodate both full-time students and working professionals by offering an online format with clinical placements in collaborating agencies throughout the state.

Admission

To be considered for admission into the Graduate Certificate program in Nurse Practitioner, applicants must meet the requirements specified below:

1. Completion of a master's degree in nursing from a National League for Nursing (NLN) or Commission on Collegiate Nursing Education (CCNE) accredited program. A clinical focus is preferred.
2. Current licensure to practice nursing as a Registered Nurse in the applicant's state or country without restrictions. Applicants who hold Registered Nurse licensure from other states or countries and who are in the Master of Science in Nursing, Nurse Practitioner concentration, may be admitted provisionally with the requirement that a United States and Michigan Registered Nurse license must be obtained prior to progression to clinical courses.
3. A minimum grade-point average of 3.0 (4.0 scale) for total credits completed during their Master of Science in Nursing program.
4. One year of clinical practice as a Registered Nurse in the United States prior to the start of the program.
5. Submit an essay to the College of Nursing stating plans for post-graduate study including professional career goals.
6. Personal interview with College of Nursing faculty.
7. If the applicant's native language is not English, the applicant must complete the Test of English as a Foreign Language (TOEFL) with a total score of 580 (paper version) or 21 (com-

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puter version). Equivalent scores on the English Language Center Test may be submitted.

8. Three references from academic or employment sources.

With the exception of item 2. above, no provisional admission will be allowed. An applicant must meet all of the requirements for admission upon acceptance. Although students may meet all admission requirements, they may be denied admission solely based on space availability in the program.

Requirements for the Graduate Certificate in Nurse Practitioner

CREDITS

Students must complete all of the following courses (33 or 34 credits):

- All of the following advanced practice nursing courses (9 credits):

NUR 805	Pathophysiology for Advanced Practice Nursing	3
NUR 807	Clinical Decision Making	3
NUR 809	Applied Pharmacology for Advanced Practice Nursing	3
- One of the following courses (3 credits):

NUR 820	Health Assessment of the Family	3
NUR 835	Health Assessment of the Adult and Aged	3

Credit for these advanced practice nursing courses in items 1. and 2. may be obtained through transfer of previous academic credit or waiver based on a transcript evaluation of previous course work.
- One of the following concentrations (21 or 22 credits):

Family Advanced Practice Nursing

NUR 821	Primary Care Management of the Family	5
NUR 822	Practicum I: Primary Care for the Family	6
NUR 823	Primary Care Management of the Family II.	3
NUR 824	Practicum II: Primary Care for the Family	7

Adult and Gerontological Advanced Practice

NUR 832	Practicum I: Primary Care of the Adult and Aged I.	6
NUR 834	Practicum II: Primary Care for the Adult and Aged	7
NUR 836	Primary Care Management of the Adult and Aged	5
NUR 837	Primary Care Management of the Adult and Aged II	3
NUR 838	Care for Aging Individuals Across the Health Care Continuum	1

- Graduate Admissions, A117 Life Sciences Building, East Lansing, MI 48824.
- An essay of no more than five typewritten double-spaced pages (8 ½ x 11) is required as part of the application which addresses the following:
 - A concise academic statement of your plans for doctoral study, your career goals, and how the MSU College of Nursing Doctor of Nursing Practice program will support you in meeting your career and educational objectives.
 - A personal statement about how your background and life experiences including social, economic, cultural, familial, educational, or other opportunities or challenges motivated your decision to pursue a Doctor of Nursing Practice degree.
 - Description of your vision of the role of the nursing leader, giving an example of a professional situation in which you assumed leadership.
 - What qualities do you possess that will facilitate your ability to balance the challenges presented by doctoral education?
 - Three letters of recommendation. The reference letters must be from sources that have direct knowledge of the applicant's work and educational experience specifying the applicant's ability to do graduate work. As a general guideline, individuals who understand the demand and rigor of graduate nursing education should complete letters of recommendation. At least one recommendation should be completed by a nurse holding master's or doctoral credentials.
 - A professional resume documenting years of clinical work and educational experiences. At least one year of full-time professional experience as a registered nurse is required.
 - Evidence of an unrestricted current license as a registered nurse in the applicant's state or country and specialty certification.
 - Approved graduate-level statistics, research methods and health policy courses of at least 3 semester credits, each. Each must have been successfully completed at an accredited college or university with a grade of at least a 3.0 on a 4.0 scale. The statistics course must have been completed within 5 years prior to admission. The policy course must be completed prior to starting NUR 963 Leadership II: Leadership in Complex Healthcare Organizations and the methods course must be completed prior to starting NUR 962 Analytical Methods for Evidence-Based Practice.
 - Cumulative grade-point average of at least 3.0 (4.0 basis) for the Master of Science in Nursing.
 - International applicants whose academic language is not English must complete the Test of English as a Foreign Language (TOEFL) as a condition for regular admission to Michigan State University. See the *International Student Admission Minimum Requirement for Regular Admission* section in the *Graduate Education* section of this catalog. All official transcripts must be translated into English by a certified translator.
- Following initial screening, applicants identified as well-matched with the College of Nursing academic standards and program focus will be contacted for a required personal interview with program faculty. Recommendations for admission are made by the faculty committee to the Dean of the College based on the requirements for admission and the personal interview.

Doctor of Nursing Practice

The Doctor of Nursing Practice (D.N.P.) curriculum prepares advanced practice nurses to provide clinical, organizational and systems' leadership at the highest level. The program develops practitioners who design, implement and evaluate high quality and cost-effective health care services for diverse populations including the disadvantaged and underserved. The graduate will champion healthcare policy and operational changes using evidence-based data and technology that enhances and guides nursing practice. The individual prepared as a doctor of nursing practice actively collaborates across disciplines and organizations with providers and client groups to achieve sustainable healthcare outcomes.

Admission

Admission to the Doctor of Nursing Practice degree is limited to Advanced Practice Nurses with a master's degree from a Commission on Collegiate Nursing Education (CCNE) or National League for Nursing Accrediting Commission (NLNAC) accredited program and who have current national certification in their specialty. In addition to meeting the requirements of the College of Nursing, students must meet the requirements specified below.

- The application process requires two steps:
 - Applicants must apply to Michigan State University. The University application is available online at <http://grad.msu.edu/apply>. An application fee applies.
 - Applicants must concurrently apply separately to the College of Nursing. There is no fee to apply to the College of Nursing. The application process requires an official transcript from each college, university, and school attended, covering all academic work completed to date, and must be sent directly to the College of Nursing,

Requirements for the Doctor of Nursing Practice in Nursing Practice Degree

	CREDITS
1. All of the following courses (35 credits):	
CAS 850 Health Informatics	3
EPI 810 Introductory Epidemiology	2
NUR 910 Health Status Outcomes: The Individual and Family	3
NUR 920 Translation of Research and Scientific Knowledge to a Community Setting	3
NUR 960 Scientific Foundations of Nursing	3
NUR 961 Leadership I: Organizational Leadership	3
NUR 962 Analytical Methods for Evidence-Based Practice	3
NUR 963 Leadership II: Leadership in Complex Healthcare Organizations	3
NUR 964 DNP Practicum I	3
NUR 965 DNP Practicum II	3
NUR 989 DNP Synthesis Project	6
2. Completion of a minimum of 1000 supervised clinical hours between the master's degree program and the Doctor of Nursing Practice degree program. Students will enroll in NUR 990 Special Problems to complete an individualized clinical learning plan that will achieve the remaining required hours.	

Guidance Committee

Each student admitted to the Doctor of Nursing Practice program will form a guidance committee with the approval and the assistance of the college. The guidance committee will consist of at least three members. A minimum of two will be Michigan State University College of Nursing graduate faculty. The chair will be an advanced practice nurse with national certification credentials.

Academic Standards

A cumulative grade-point average of 3.0 and a grade of 3.0 in each nursing course is required.

Comprehensive Examinations

In lieu of a comprehensive examination, students will complete 6 credits in a synthesis project. Students will be assigned a guidance committee who provides regular written and verbal feedback on project components, assists the student in setting reasonable timelines, and leads the proposal defense and final project presentation session.

Transfer Credits

Up to 25% (9 semester credits) of graduate course work (excluding thesis credits) may be transferred into the Doctorate of Nursing Practice from other National League for Nursing or Commission on Collegiate Nursing Education accredited programs upon approval of the College of Nursing.

Time Limit

The time limit for completing the degree is six years from the beginning of the first semester in which credit toward the degree was earned.

Doctor of Philosophy

The Doctor of Philosophy degree program with a major in Nursing is designed with a major emphasis in health status and health outcomes research related to individuals and families within the context of community-based primary care. Graduates will conduct and facilitate research in a variety of academic, clinical and community-based settings.

Admission

In addition to meeting the requirements of the university as described in the Graduate Education section of this catalog, students must meet the requirements specified below.

- 1) Grade-point average of at least 3.0 for all previous academic work.
- 2) Graduate Record Examination Verbal, Quantitative, and Analytic sections completed within last five years.
- 3) Bachelor's or master's degree in nursing. Admission to the program without a master's degree in nursing will require additional course work as specified by the College of Nursing.
- 4) Three letters of recommendation from academic or employment sources that are knowledgeable about your potential for doctoral study and research in nursing.
- 5) Written statement that addresses your area of research interest, program goals and career goals, and how the Michigan State University College of Nursing program and faculty fit those research interest and goals.
- 6) Completion of an undergraduate or graduate-level statistics course with a grade of B (3.0) or better within the past five years.
- 7) International applicants whose academic language is not English must complete the Test of English as a Foreign Language (TOEFL) as a condition for regular admission to Michigan State University. See the *International Student Admission Minimum Requirement for Regular Admission* section in the *Graduate Education* section of this catalog. All official transcripts must be translated into English by a certified translator.

Applicants with completed materials are reviewed by a faculty committee. Applicants identified as well-matched with the College of Nursing academic standards and program focus will be contacted for a required personal interview with representatives from the doctoral program faculty. Recommendations for admission are made by the faculty committee to the Director of the Doctoral Program and the Dean of the College based on the requirements for admission and the personal interview.

Requirements for the Doctor of Philosophy Degree in Nursing

In addition to meeting the university requirements for the Doctor of Philosophy degree, students will complete a program of required and selected courses. Required courses guide the student in the principles and methods of research for the evaluation and testing of current and developing theories relevant to nursing. Courses in the selected area of focus offer opportunity for students to build upon their educational and experiential backgrounds to develop greater depth of knowledge in their research area. Students will be involved in a community health care site to gain an in-depth understanding of the dynamics in the translation of scientific knowledge to the practice setting. Students will also be required to participate in a research team to gain experience in the conduct of nursing research.

	CREDITS
Course Requirements:	
1. All of the following:	57
CEP 920 Construction of Psychoeducational Instruments	3
CEP 921 Psychometric Theory I	3
CEP 933 Quantitative Methods in Educational Research II	3
NUR 901 Knowledge Development in Nursing	3
NUR 910 Health Status Outcomes: The Individual and Family	3
NUR 911 Health Status Outcomes: Community/Primary Care	3
NUR 920 Translation of Research and Scientific Knowledge to a Community Setting	3
NUR 930 Methods in Clinical Research	3
NUR 940 Research Practicum	3
NUR 950 Nursing Research Seminar I	1
NUR 951 Nursing Research Seminar II	1
NUR 999 Doctoral Dissertation Research	24
PHL 480 Philosophy of Science	4

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- 2. A minimum of 6 credits in advanced research methodology and analysis, as approved by the student's guidance committee 6
- 3. One qualitative methods course, as approved by the student's guidance committee 3
- 4. At least one course in area of focus, as approved by committee 6

Transfer Credits

Up to 45% (22 semester credits) of graduate course work (excluding dissertation credits) may be transferred into the Doctor of Philosophy in Nursing program from other accredited institutions upon the approval of the College of Nursing.

Transfer of course credits from other accredited institutions must be completed through the following procedure:

- 1. Course credits for transfer must be part of the student's program plan and must be approved by the student's guidance committee and the director of the doctoral program. The student is responsible for requesting that an official transcript of the grade(s) for course work completed at another institution be sent to the Director of the Doctoral Program in the College of Nursing.
- 2. When requesting credit for transfer courses completed without prior approval, students must submit the course syllabi and an official transcript for review and approval by the student's guidance committee and the director of the doctoral program.