College of NURSING

Randolph F.R. Rasch,
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 evidenced–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.), the Doctor of Nursing Practice (D.N.P.), and the Doctor of Philosophy in Nursing (Ph.D.). The M.S.N. program is designed for the education of advanced practice registered nurses for the role of clinical nurse specialists, nurse anesthetists, and nurse practitioners. The D.N.P. program prepares advanced practice nurses to champion healthcare policy and operational changes using evidence-based data and technology. The Ph.D. program prepares nurse scientists.

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 (C.C.N.E.). 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, Macomb Community College, Muskegon Community College, Oakland Community College, and St. Clair County Community College Associate Degree in Nursing Students

Lansing Community College, Macomb Community College, Muskegon Community College, Oakland Community College, and St. Clair County 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 may 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, Macomb Community College, Muskegon Community College, Oakland Community College, and St. Clair County 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.
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 admission and at time of 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 28 credits (see **Admission to the College** 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 prenursing 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 December 1st for early application deadline but no later than 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 or SAT of 1240 (critical reading, mathematics, and writing).
2. High school grade point average of at least 3.8 on a 4.0 scale.
3. High school class rank will be considered when available.

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 sophomore:
1. Complete the prenursing curriculum in the first year.
2. Earn a grade of 2.0 or higher in each prenursing foundation 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 sophomore the fall semester of their second 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 to the College

Admission to the College of Nursing is competitive. Minimal criteria for application to the College are:
1. Completion of at least 28 credits acceptable to the College of Nursing with a cumulative grade-point average of 2.75 or higher.
2. Completion of the following prenursing foundation courses with a grade of 2.0 or higher in each course:

ANTR	350	Human Gross Anatomy for Pre-Health Professionals	3
BS	161	Cell and Molecular Biology	3
CEM	141	General Chemistry	4
MTH	103	College Algebra	3

3. Completion of the university's Tier I writing requirement.
4. 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 May 1 for admission to the fall semester and December 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

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.

   The completion of Mathematics 103 and Statistics and Probability 200 referenced below will also satisfy the University mathematics requirement. Students who place into Statistics and Probability 200 on the mathematics placement test and complete Statistics and Probability 200 are not required to complete Mathematics 103.

   Students who are enrolled in the Nursing major leading to the Bachelor of Science in Nursing degree in the College of Nursing 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 375, 460, and 481. Those courses are referenced in item 2. below.
2. The following requirements for the major:

CREDITS

a. All of the following **Foundation** courses with a minimum grade-point average of 2.0:

CEM	143	Survey of Organic Chemistry	4
HDFS	225	Lifespan Human Development in the Family	3
HNF	150	Introduction to Human Nutrition	3
MMG	201	Fundamentals of Microbiology	3
MMG	302	Introductory Laboratory for General and Allied Health Microbiology	1
PHM	350	Introductory Human Pharmacology	3
PSL	250	Introductory Physiology	4
	Or		
PSL	310	Physiology for Pre-Health Professionals	4
PSY	101	Introductory Psychology	4
STT	200	Statistical Methods	3

b. All of the following **Nursing** courses with a minimum grade of 2.0 in each course:

NUR	205	Introduction to Professional Nursing	4
NUR	301	Clinical Pathophysiology	3
NUR	322	Nursing Care of Acute and Chronically Ill Patients I	4
NUR	324	Health Promotion and Disease and Injury Prevention I	3
NUR	332	Nursing Care of Acute and Chronically Ill Patients II	5
NUR	334	Health Promotion and Disease and Injury Prevention II	3
NUR	371	Behavioral Health Nursing	4
NUR	375	Research and Evidence-Based Practice	2
NUR	436	Nursing Care of Children and Their Families	2
NUR	437	Nursing Care of the Childbearing Family	2
NUR	445	Nursing Care of Acute and Critically Ill Patients	6
NUR	460	Leadership in Clinical Practice	5

NUR 471 Public Health Nursing 3
NUR 475 Ethical Practice 2
NUR 481 Scholarship for Nursing Practice (W) 2
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 with a minimum grade of 2.0 in each
NUR course: 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 2.0 in all science courses (ANTR 350, CEM 141, MMG 201, NUR 300, NUR 301, PHM 350, PSL 250, PSL 310, and STT 200) is required for admission:

			CREDITS
ANTR	350	Human Gross Anatomy for Pre-Health Professionals	3
CEM	141	General Chemistry	4
HDFS	225	Lifespan Human Development in the Family	3
HNF	150	Introduction to Human Nutrition	3
MMG	201	Fundamentals of Microbiology	3
NUR	300	Pathophysiology	4
	or		
NUR	301	Clinical Pathophysiology	3
PHM	350	Introductory Human Pharmacology	3
PSL	250	Introductory Physiology	4
	Or		
PSL	310	Physiology for Pre-Health Professionals	4
PSY	101	Introductory Psychology	4
STT	200	Statistical Methods	3

Nursing 300 or 301 must be completed within five years of program start.

GRADUATE STUDY

Three graduate programs in Nursing are offered: the Master of Science in Nursing (M.S.N.), the Doctor of Nursing Practice (D.N.P.), both of which are accredited by CCNE, 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-Family, Nurse Practitioner-Adult/Gerontological Primary Care, and Adult-Gerontology Clinical Nurse Specialist, which is also accredited by the Council on Accreditation of Nurse Anesthesia Educational Program. The Doctor of Nursing Practice (D.N.P.) prepares advanced practice registered nurses to provide clinical, organizational and systems' leadership at the highest level. 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 doctoral programs offer students the opportunity to move in scholarly directions, and provides opportunities for interdisciplinary study. An online Graduate Certificate in Teaching in Nursing is also available.

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 two concentrations, Nurse Practitioner, focuses on the preparation of advanced practice nurses as nurse practitioners. Within this concentration, there are two areas of study: adult/gerontology primary care, and family. A third concentration, Adult-Gerontology Clinical Nurse Specialist, focuses on the preparation of advanced practice nurses specialized in acute care adult-gerontology practice.

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 certification as a Nurse Practitioner and recognition as an Advanced Practice Registered Nurse (APRN).

The Adult-Gerontology Clinical Nurse Specialist concentration is designed to prepare registered nurses to assume an advanced practice role as a clinical nurse specialist. This graduate 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 certification as a Adult-Gerontology Clinical Nurse Specialist.

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.
3. Current unrestricted RN license without probationary status 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 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. 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.
6. Submitted a written essay that addresses the applicant's career goals and motivations for graduate study in the selected area of specialty nursing practice: nurse practitioner or adult-gerontology clinical nurse specialist.
7. Submit three letters of recommendations. 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.
8. Completed an admission interview with the College of Nursing faculty.
9. If the applicant's native language is not English, the applicant must complete the Test of English as a Foreign Language (TOEFL) with a minimum average score of 550, no subscore below 52 on the paper-based test (PBT). If the applicant completes the Internet-based test (iBT), no subscore below 19 for reading, listening, and speaking; no writing subscore below 22 and a minimum average score of 80. Applicants should have all test scores sent from the testing agency directly to Michigan State University Office of Admissions.

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 48 credits is required for the degree under Plan B (without thesis) depending on the student's area of concentration. Students must meet the requirements specified below:

CREDITS

1. All of the following courses (15 credits):

NUR	902	Scientific Foundations for the Advanced Practice Nurse	3
NUR	905	Patient Safety, Quality Improvement and Quality Management in Healthcare	3
NUR	907	Advanced Pathophysiology for Advanced Practiced Registered Nurses	3
NUR	908	Advanced Physical Assessment for Advanced Practiced Registered Nurses	3
NUR	909	Advanced Pharmacology for Advanced Practiced Registered Nurses	3

2. Complete one of the following three concentrations:

NURSE PRACTITIONER FAMILY (30 credits)

EPI	840	Clinical Epidemiology for Healthcare Practice	3
NUR	912	Health Promotion - Family	3
NUR	915	Clinical Diagnosis and Management I - Family	6
NUR	916	Clinical Diagnosis and Management II - Family	6
NUR	917	Clinical Diagnosis and Management III - Family	6
NUR	918	Clinical Diagnosis and Management IV - Family	6

NURSE PRACTITIONER-ADULT-GERONTOLOGICAL PRIMARY CARE (30 credits)

EPI	840	Clinical Epidemiology for Healthcare Practice	3
NUR	913	Health Promotion – Adult-Gerontology	3
NUR	925	Clinical Diagnosis and Management I – Adult-Gerontology	6
NUR	926	Clinical Diagnosis and Management II – Adult-Gerontology	6
NUR	927	Clinical Diagnosis and Management III – Adult-Gerontology	6
NUR	928	Clinical Diagnosis and Management IV – Adult-Gerontology	6

ADULT-GERONTOLOGY CLINICAL NURSE SPECIALIST (33 credits)

NUR	904	Health Policy and Advocacy	3
NUR	906	Leadership in Complex Health Systems	3
NUR	931	Wellness Promotion for Diverse Populations	3
NUR	932	Clinical Decision Making and Management of Acute Chronic Complex Conditions	6
NUR	933	Clinical Nurse Specialist Advanced Practice Role Development I	6
NUR	934	Clinical Nurse Specialist Advanced Practice Role Development II	6
NUR	935	Clinical Nurse Specialist Advanced Practice Role Development III	6

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% of graduate course work May be transferred into the Master of Science in Nursing program from other accredited programs upon approval of the College of Nursing, i.e., Commission on Collegiate Nursing Education (CCNE), National League for Nursing Commission for Nursing Education Accreditation (NLN CNEA), and/or Accreditation Commission for Education in Nursing (ACEN).

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 Nursing Practice

The Doctor of Nursing Practice (D.N.P.), post B.S.N. entry, curriculum prepares advanced practice registered 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 who has earned a D.N.P. degree, actively collaborates across disciplines and organizations with providers and client groups to achieve sustainable healthcare outcomes.

The Doctor of Nursing Practice, post B.S.N. entry degree program consists of four concentrations. The first and second concentrations, Nurse Practitioner-Family and Nurse Practitioner-Adult Gerontology Primary Care, focuses on the preparation of advanced practice registered nurses as nurse

practitioners. A third concentration, Adult-Gerontology Clinical Nurse Specialist, focuses on the preparation of advanced practice registered nurses specialized in acute care adult-gerontology practice. A fourth concentration, Nurse Anesthesia, prepares advanced practice registered nurses who will use specialized skills and knowledge in the administration of anesthesia and pain management agents.

Nurse practitioners, as advanced practice registered nurses, are in direct-care provider's role and 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 healthcare providers to provide primary care. As part of this care, advanced practice registered 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 healthcare 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 nurse practitioners and will be eligible for certification as a Nurse Practitioner and recognition as an Advanced Practice Registered Nurse (APRN).

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

Nurse anesthetists are advanced practice registered nurses who use specialty skills and knowledge in the planning and administration of anesthesia and pain management agents. The Nurse Anesthesia Program is accredited by the 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 recognition 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 Doctor of Nursing Practice, post B.S.N. entry 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 Doctor of Nursing Practice, post B.S.N. entry program, an applicant must:
1. Submit a university application for admission and a curriculum vita.
2. Complete a Bachelor of Nursing degree from an accredited college or university.
3. Possess a current unrestricted license 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. One year of current full-time clinical experience or equivalent as a registered nurse in an intensive care unit is required for the Nurse Anesthesia concentration.
6. Complete a 3 credit undergraduate or graduate statistics course with a grade of 3.0 (4.0 scale) or better within the last five years.
7. Submit a written essay that addresses the applicant's career goals and motivations for graduate study in the selected area of specialty nursing practice: nurse practitioner, adult-gerontology clinical nurse specialist, or nurse anesthetist.
8. Submit three letters of recommendation. 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.
9. Complete an admission interview with the College of Nursing 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.
10. If the applicant's native language is not English, the applicant must complete the Test of English as a Foreign Language (TOEFL) with a minimum average score of 550, no subscore below 52 on the paper-based test (PBT). If the applicant completes the Internet-based test (iBT), no subscore below 19 for reading, listening, and speaking; no writing subscore below 22 and a minimum average score of 80. Applicants should have all test scores sent from the testing agency directly to Michigan State University Office of Admissions.

Requirements for the Doctor of Nursing Practice Degree in Nursing Practice

CREDITS

1. All of the following courses (28 credits):

NUR	902	Scientific Foundations for the Advanced Practice Nurse	3
NUR	903	Healthcare Informatics	3
EPI	840	Clinical Epidemiology for Healthcare Practice	3
NUR	904	Health Policy and Advocacy	3
NUR	905	Patient Safety, Quality Improvement and Quality Management in Healthcare	3
NUR	906	Leadership in Complex Health Systems	3
NUR	995	Doctor of Nursing Practice Project I	4
NUR	996	Doctor of Nursing Practice Project II	3
NUR	997	Doctor of Nursing Practice Project III	3

2. Complete one of the following concentrations:

NURSE PRACTITIONER-FAMILY (42 credits)

NUR	907	Advanced Pathophysiology for the Advanced Practice Registered Nurse	3
NUR	908	Advanced Physical Assessment for the Advanced Practice Registered Nurse	3
NUR	909	Advanced Pharmacology for the Advanced Practice Registered Nurse	3
NUR	912	Health Promotion – Family	3
NUR	915	Clinical Diagnosis and Management I - Family	6

NUR 916 Clinical Diagnosis and Management II - Family 6
NUR 917 Clinical Diagnosis and Management III - Family 6
NUR 918 Clinical Diagnosis and Management IV – Family 6
NUR 919 Clinical Diagnosis and Management V –
     Clinical Immersion- Family 6

NURSE PRACTITIONER-ADULT-GERONTOLOGICAL PRIMARY CARE (42 credits)

NUR 907 Advanced Pathophysiology for the Advanced Practice
     Registered Nurse 3
NUR 908 Advanced Physical Assessment for the Advanced
     Practice Registered Nurse 3
NUR 909 Advanced Pharmacology for the Advanced Practice
     Registered Nurse 3
NUR 913 Health Promotion – Adult-Gerontology 3
NUR 925 Clinical Diagnosis and Management I -
     Adult-Gerontology 6
NUR 926 Clinical Diagnosis and Management II -
     Adult-Gerontology 6
NUR 927 Clinical Diagnosis and Management III -
     Adult-Gerontology 6
NUR 928 Clinical Diagnosis and Management IV -
     Adult-Gerontology 6
NUR 929 Clinical Diagnosis and Management V –
     Clinical Immersion - Adult-Gerontology 6

ADULT-GERONTOLOGY CLINICAL NURSE SPECIALIST (CNS) (42 credits)

NUR 907 Advanced Pathophysiology for the Advanced Practice
     Registered Nurse 3
NUR 908 Advanced Physical Assessment for the Advanced
     Practice Registered Nurse 3
NUR 909 Advanced Pharmacology for the Advanced Practice
     Registered Nurse 3
NUR 931 Wellness Promotion for Diverse Populations 3
NUR 932 Clinical Decision Making and Management of Acute
     Chronic Complex Conditions 6
NUR 933 Clinical Nurse Specialist Advanced Practice Role
     Development I 6
NUR 934 Clinical Nurse Specialist Advanced Practice Role
     Development II 6
NUR 935 Clinical Nurse Specialist Advanced Practice Role
     Development III 6
NUR 936 Clinical Nurse Specialist Specialty Role Immersion I . . . 3
NUR 937 Clinical Nurse Specialist Specialty Role Immersion II . . 3

NURSE ANESTHESIA (64 credits)

ANTR 541 Gross Anatomy for Nurse Anesthetists 4
NUR 908 Advanced Physical Assessment for the Advanced
     Practice Registered Nurse 3
NUR 909 Advanced Pharmacology for the Advanced Practice
     Registered Nurse 3
NUR 966 Applied Chemical and Physical Principles of Anesthesia
     Practice 3
NUR 967 Basic Principles of Anesthesia 4
NUR 968 Advanced Physiology and Pathophysiology for
     Anesthesia Practice I 4
NUR 969 Advanced Physiology and Pathophysiology for
     Anesthesia Practice II 4
NUR 970 Pharmacology for Nurse Anesthesia I 3
NUR 971 Pharmacology for Nurse Anesthesia II 3
NUR 972 Advanced Principles of Anesthesia I 3
NUR 973 Advanced Principles of Anesthesia II 3
NUR 974 Introduction to Clinical Practicum 1
NUR 975 Clinical Anesthesia Practicum I 2
NUR 976 Clinical Anesthesia Practicum II 3
NUR 977 Clinical Anesthesia Practicum III 3
NUR 978 Clinical Anesthesia Practicum IV 4
NUR 979 Clinical Anesthesia Practicum V 4
NUR 980 Clinical Anesthesia Practicum VI 4
NUR 981 Anesthesia Seminar I 3
NUR 982 Anesthesia Seminar II 3

3. **Admission with a Post-Master's Degree**

Admission to the Post-Master's Doctor of Nursing Practice degree program is limited to: (1) master's prepared registered nurses graduated from an accredited master's program in nursing or; (2) those who hold a B.S.N. from an accredited nursing program and a master's degree that qualified them to sit for national certification as a Certified Registered Nurse Anesthetist (CRNA). Each applicant's transcripts will be reviewed to determine gap between D.N.P. outcomes and their prior education. All candidates will complete a project, practicum, identified courses, and a minimum of 23 credits. Students will have an option to complete an additional APRN specialty if requested, and be admitted to a concentration.

In addition to meeting the requirements of the College of Nursing, and the admission requirements for the Doctor of Nursing Practice Degree in Nursing Practice, students must meet the requirements specified below.

1. All of the following courses (23 to 30 credits):

    NUR 995 Doctor of Nursing Practice Project I 4
    NUR 996 Doctor of Nursing Practice Project II 3
    NUR 997 Doctor of Nursing Practice Project III 3
    Elective – or core courses as determined by review of previous APRN education. . . . . 13 to 20

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.

Provisional Status

Applicants who do not meet the requirements for regular admission to the Doctor of Nursing Practice, post B.S.N. 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. Provisional course work does not count towards fulfillment of degree requirements.

Part-time Students

Although many nursing students pursue the Doctor of Nursing Practice, post B.S.N. 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.

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.

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% of graduate course work may be transferred into the Doctor of Nursing Practice (D.N.P.) program from other accredited programs upon approval of the College of Nursing, Commission on Collegiate Nursing Education (CCNE), National League for Nursing Commission for Nursing Education Accreditation (NLNCNEA), and/or Accreditation Commission for Education in Nursing (ACEN).

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 to prepare nurse scientists to successfully address emerging health challenges locally, nationally, and globally by advancing knowledge in nursing and related disciplines.

A major emphasis of this program is to prepare graduates for a career in intervention and translation science in the areas of wellness behaviors, risk reduction, and self-symptom management.

Graduates of the program will be well-positioned to conduct original nursing research using appropriate designs, measures and analysis in student's area of concentration; apply relevant concepts and theories and frameworks to promote optimal health among individuals, families, and populations; and to improve health outcomes through nursing interventions and translation of science.

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) A minimum cumulative grade-point average of at least 3.0 for all previous academic work.
2) Competitive scores on the 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 may require additional course work as specified by the College of Nursing.
4) Three letters of recommendation on official letterhead stationery 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 in 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.
8) Must possess a current, unrestricted professional nursing license in Michigan or home jurisdiction.

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.

Students who do not meet the requirements for regular admission to the Doctor of Philosophy degree 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. Provisional course work does not count towards fulfillment of degree requirements.

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 required courses which 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 required to participate in a research team to gain experience in the conduct of nursing research.

The program of study is planned by the student in consultation with the major professor and guidance committee. Components will include core nursing and selected courses relevant to the student's chosen research concentration. Each student must:

1. complete a minimum of 66 credits of course work as defined below and approved by the guidance committee at time of admission.
2. earn a grade of 3.0 or higher in each NUR course and have an overall grade-point average of 3.0 at graduation.
3. satisfy Responsible Conduct of Research and Scholarship (RCR) requirements.
4. maintain University and College of Nursing compliance requirements.
5. submit one external grant.
6. submit a first-authored, peer-reviewed manuscript approved through the college process.
7. pass the written and oral defense of the comprehensive examination.
8. pass the written and oral defense of the dissertation.

CREDITS

Course Requirements:
1. All of the following. . . . . 51 to 53
EPI	808	Biostatistics I	3
EPI	809	Biostatistics II	3
NUR	920	Translation of Research and Scientific Knowledge to a Community Setting	3
NUR	921	Scientific Foundations of Nursing Knowledge Development	3
NUR	922 or	Wellness and Risk Reduction Behaviors	3
NUR	923	Self and Symptom Management in Chronic Ilness	3
NUR	924	Designing Interventions for Improving Health Outcomes	3
NUR	930	Methods in Clinical Research	3
NUR	940	Research Practicum	4 to 6
NUR	950	Nursing Research Seminar I	1
NUR	951	Nursing Research Seminar II	1
NUR	999	Doctoral Dissertation Research	24
2. A minimum of 6 credits in advanced research methodology and analysis, as approved by the student's guidance committee 6
3. A qualitative research course as approved by committee 3
4. At least two courses 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.

TEACHING IN NURSING

Graduate Certificate

The Graduate Certificate in Teaching in Nursing program is designed to prepare graduate and post-graduate nurses with nurse educator competencies in preparation for teaching in clinical and academic settings. Students will develop skills in facilitating learning, curriculum development, educational technology, and assessment and evaluation strategies. The program includes a total of 90 hours of student teaching under the direct supervision of a College of Nursing preceptor. Graduates meet the requirements to sit for the National League for Nursing (NLN) Academic Nurse Educator certification exams. The Graduate Certificate in Teaching in Nursing is available only online.

Admission

To be considered for admission to the Graduate Certificate in Teaching in Nursing an applicant must:
1. Be enrolled in an MSU College of Nursing graduate program; an accredited graduate nursing program; or graduated from an accredited graduate program in nursing with a minimum 3.0 grade-point average on a 4.0 scale.
2. Have completed a bachelor's in nursing degree from an accredited program with a minimum 3.0 grade-point average on a 4.0 scale.
3. Submit the university application form and fee if not currently enrolled at MSU.
4. Submit the admission application for the certificate program and CV/resume on the College of Nursing Web site.
5. Provide transcripts from all previous institutions of higher education.
6. Complete a test of English language proficiency if English is not the first language with a minimum average score of 550 with no subscore below 52 (paper version) or 79 with no subscore below 17 (internet based test). Equivalent scores on the MSU English Language Center Test may be submitted. If using the International English Language Testing System (IELTS), the minimum average score must be 6.5.
7. Hold an unrestricted RN license in the applicant's state or country.
8. Complete an admission interview.

Requirements for the Graduate Certificate in Teaching in Nursing

CREDITS

Students must complete the following courses (9 credits):

			CREDITS
NUR	861	Curriculum Design in Nursing Education	3
NUR	866	Academic and Clinical Teaching Internship	3
NUR	868	Topics in Nursing Education	3