



College of NURSING

Randolph F.R. Rasch,
DEAN

The nursing profession is committed to the promotion of health through the provision of high quality care within the health system. Nursing encompasses health promotion, health maintenance, acute care, and rehabilitation and aims 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 an 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.). The advanced practice nursing programs (Master of Science in Nursing and Doctor of Nursing Practice) are designed for the education of registered nurses for the roles of clinical nurse specialist, nurse anesthetist and nurse practitioner. 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

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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 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 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 pre-nursing curriculum in the first year.
2. Earn a grade of 2.0 or higher in each pre-nursing 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 pre-nursing 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 college 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 or Mathematics 103A and 103B; 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 342, 442, and 460. Those courses are referenced in item 2. below.

2. The following requirements for the major:

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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	323 Nursing Care of Acute and Chronically Ill Patients I	5
NUR	333 Health Promotion	4
NUR	337 Nursing Care of Acute and Chronically Ill Patients II	6
NUR	342 Research, Ethics, and Evidence-Based Practice I	3
NUR	371 Behavioral Health Nursing	4
NUR	434 Nursing Care of Acute and Critically Ill Patients	4
NUR	438 Nursing Care of Children and Their Families	3
NUR	439 Nursing Care of the Childbearing Family	3
NUR	442 Research, Ethics, and Evidence-Based Practice II	3
NUR	460 Leadership in Clinical Practice	5
NUR	471 Public Health Nursing	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 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 Accelerated Second Bachelor's Degree Program

Applicants 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 whose cumulative grade-point average (GPA) either a) make them ineligible to apply for the Accelerated Second Degree B.S.N program or b) are not competitive for the program, are eligible to take up to 12 credit hours of prerequisite or general education course work to reset their GPA. Cumulative GPAs achieved during the completion of a graduate degree program may be considered for admission to the Accelerated Second Degree B.S.N. in lieu of a cumulative undergraduate GPA. The 12 credits or the graduate degree must be completed before the student applies to the program. Applicants should contact the College of Nursing regarding the application process and deadlines. Completion of the following prerequisite courses is required for admission: (ANTR 350, CEM 141, MMG 201, NUR 300 or NUR 301, PHM 350, PSL 250 or PSL 310, and STT 200). Applicants must have earned a minimum grade of 2.0 in each of them.

			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

The College of Nursing offers three graduate programs: the Master of Science in Nursing (M.S.N.), the Doctor of Nursing Practice (D.N.P.), and the Doctor of Philosophy (Ph.D.) with a major in Nursing. In the advanced practice nursing programs (M.S.N. and D.N.P.), students pursue their educational program with faculty and clinical preceptors who have experience in the student's chosen area of specialization. The College offers five paths to the advanced practice degrees: Nurse Practitioner - Family, Nurse Practitioner - Adult/Gerontological Primary Care, Nurse Practitioner - Psychiatric-Mental Health, Clinical Nurse Specialist - Adult-Gerontology, and Nurse Anesthetist. Advanced practice programs are accredited by the Commission on Collegiate Nursing Education (CCNE) and the nurse anesthesia program is also accredited by the Council on Accreditation for Nurse Anesthesia Programs (COA). 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. A 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 four concentrations. The Nurse Practitioner-Family, Nurse Practitioner-Adult Gerontology Primary Care, and Nurse Practitioner Psychiatric Mental Health concentrations focus on the preparation of advanced practice registered nurses as nurse practitioners. The Adult-Gerontology Clinical Nurse Specialist focuses on the preparation of advanced practice registered nurses specialized in acute care adult-gerontology practice.

Nurse practitioners are in a direct-care provider 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 health care providers to provide primary care. They 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. Nurse practitioners provide health promotion therapeutics, 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 nurse practitioner's role. Graduates of the program will be eligible for certification as a nurse practitioner in their population focus area.

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 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 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

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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. Submitted 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. 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.
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 54 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 (24 credits):	
NUR 902 Scientific Foundations for the Advanced Practice Nurse	3
NUR 903 Healthcare Informatics	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 907 Advanced Pathophysiology for the Advanced Practiced Registered Nurse	3
NUR 908 Advanced Physical Assessment for the Advanced Practiced Registered Nurse	3
NUR 909 Advanced Pharmacology for the Advanced Practiced Registered Nurse	3
2. Complete one of the following four 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
NURSE PRACTITIONER-PSYCHIATRIC MENTAL HEALTH (30 credits)	
EPI 840 Clinical Epidemiology for Healthcare Practice	3
NUR 952 Psychopharmacology and Neuropathological Basis of Mental Illness	3
NUR 953 Clinical Diagnosis and Management I – Psychiatric Assessment and Diagnosis	6
NUR 954 Clinical Diagnosis and Management II – Evidence Based Therapeutic Interventions	6
NUR 955 Clinical Diagnosis and Management III – Special Populations and Group	6
NUR 956 Clinical Diagnosis and Management IV – Complex and Collaborative Mental Health Care	6
ADULT-GERONTOLOGY CLINICAL NURSE SPECIALIST (30 credits)	
EPI 840 Clinical Epidemiology for Healthcare Practice	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, 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 Doctor of Nursing Practice degree, actively collaborates

rates 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 five concentrations. The Nurse Practitioner-Family, Nurse Practitioner-Adult Gerontology Primary Care and Nurse Practitioner Psychiatric Mental Health concentrations focus on the preparation of advanced practice registered nurses as nurse practitioners. The Adult-Gerontology Clinical Nurse Specialist focuses on the preparation of advanced practice registered nurses specialized in acute care adult-gerontology practice. The Nurse Anesthesia concentration prepares advanced practice registered nurses who will use specialized skills and knowledge in the administration of anesthesia and pain management agents.

Nurse practitioners 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. They 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. Nurse practitioners provide health promotion therapeutics, 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 nurse practitioner's role. Graduates of the program will be eligible for certification as a nurse practitioner in their population focus area.

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 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 meet the requirements and be eligible for certification as Certified Registered Nurse Anesthetist (CRNA).

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

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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

NURSE PRACTITIONER-PSYCHIATRIC MENTAL HEALTH (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 952	Psychopharmacology and Neuropathological Basis of Mental Illness	3
NUR 953	Clinical Diagnosis and Management I – Psychiatric Assessment and Diagnosis	6
NUR 954	Clinical Diagnosis and Management II – Evidence Based Therapeutic Interventions	6
NUR 955	Clinical Diagnosis and Management III – Special Populations and Group	6
NUR 956	Clinical Diagnosis and Management IV – Complex and Collaborative Mental Health Care	6
NUR 957	Clinical Diagnosis and Management V - Clinical Immersion - Psychiatric Mental Health	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	3
NUR 976	Clinical Anesthesia Practicum II	2
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 to the 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 the gap between Doctor of Nursing Practice program 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, students must meet the requirements specified below.

- 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
- 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

Students will receive advisement throughout the D.N.P. Project.

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 10 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 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 applying and developing 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 research using appropriate designs, measures and methodologies; apply relevant concepts and theories and frameworks to develop the science related to wellness, risk reduction and chronic illness; to improve health outcomes through nursing interventions and translation of science; and lead interdisciplinary teams to advance team science in nursing.

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	52 to 54
	EPI 808 Biostatistics I	3
	EPI 809 Biostatistics II	3
	NUR 920 Translation of Research and Scientific Knowledge to a Practice Setting	3
	NUR 921 Scientific Foundations of Nursing Knowledge Development	3
	NUR 924 Designing Interventions for Improving Health Outcomes	3
	NUR 930 Methods in Clinical Research	3
	NUR 939 Improving Health Outcomes: Scientific Foundations	4
	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):	
NUR 861 Curriculum Design in Nursing Education	3
NUR 866 Academic and Clinical Teaching Internship	3
NUR 868 Topics in Nursing Education	3