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 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.). 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.

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 refer-
enced 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 with-
out probationary status prior to MSU clinical course work.
For additional information regarding transfer admission, refer
to the Transfer Student Admission statement in the Undergrad-
uate Education section of this catalog.

Opportunity for Incoming Freshmen
While admission to the College of Nursing is competitive and de-
termined after completion of at least 28 credits (see Admission
to the College below), high achieving, incoming freshmen stu-
dents 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 com-
petitive. Application materials for a future fall cohort must be com-
pleted by December 1st for early application deadline but no later
than March 1st prior to the initial fall semester of enrollment. Applic-
ants 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.
4. 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 prerunursing curriculum in the first year.
2. Earn a grade of 2.0 or higher in each prerunursing 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 require-
ments, criminal background checks, and drug screen reviews re-
quired 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 crite-
ria 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 prerunursing 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 dur-
ing each selection period. Students may be admitted to the nurs-
ing major for either the fall semester or the spring semester.
Students who wish to be considered for admission to the nurs-
ing 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 Undergradu-
ate 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 re-
quirement. Students who place into Statistics and Probability 200 on the mathematics
placement test and complete Statistics and Probability 200 are not required to com-
plete 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 re-
quirement.
The University’s Tier II writing requirement for the Nursing major is met by complet-
ing Nursing 342, 442, and 460. Those courses are referenced in item 2. below.
2. The following requirements for the major:

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

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

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

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>NUR 205 Introduction to Professional Nursing</td>
<td>4</td>
</tr>
<tr>
<td>NUR 301 Clinical Pathophysiology</td>
<td>3</td>
</tr>
<tr>
<td>NUR 323 Nursing Care of Acute and Chronically Ill Patients I</td>
<td>5</td>
</tr>
<tr>
<td>NUR 333 Health Promotion</td>
<td>4</td>
</tr>
<tr>
<td>NUR 337 Nursing Care of Acute and Chronically Ill Patients II</td>
<td>6</td>
</tr>
<tr>
<td>NUR 342 Research, Ethics, and Evidence-Based Practice I</td>
<td>3</td>
</tr>
<tr>
<td>NUR 371 Behavioral Health Nursing</td>
<td>4</td>
</tr>
<tr>
<td>NUR 434 Nursing Care of Acute and Critically Ill Patients</td>
<td>4</td>
</tr>
<tr>
<td>NUR 438 Nursing Care of Children and Their Families</td>
<td>3</td>
</tr>
<tr>
<td>NUR 439 Nursing Care of the Childbearing Family</td>
<td>3</td>
</tr>
<tr>
<td>NUR 442 Research, Ethics, and Evidence-Based Practice II</td>
<td>3</td>
</tr>
<tr>
<td>NUR 460 Leadership in Clinical Practice</td>
<td>5</td>
</tr>
<tr>
<td>NUR 471 Public Health Nursing</td>
<td>3</td>
</tr>
</tbody>
</table>
3. Admission as a Registered Nurse
Registered Nurses who have graduated from a diploma or associate de-
gree program in nursing with a minimum cumulative grade-point aver-
age 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 pro-
bationary 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 require-
ments for the major for students admitted as Registered Nurses.

NUR courses: 32

a. All of the following courses with a minimum grade of 2.0 in each

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 365 Integrative Seminar I .................................. 2
NUR 455 Integrative Seminar II .................................. 2
NUR 465 Leadership Immersion .................................. 4
NUR 470 Community and Population Health Nursing ...... 3
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 ac-
ccredited and recognized college or university with a minimum cu-
mulative grade-point average of 2.75 are eligible to apply. Ac-

Applicants must complete the following prerequisite courses is required for
admission: (ANTR 350, CEM 141, MMG 201, NUR 300 or NUR 301, PSM 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
PSL 310 Physiology for Pre-Health Professionals .................. 4
PSY 101 Introduction Psychology ...................................... 4
STT 200 Statistical Methods ........................................... 3

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

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 Prac-
titioner-Adult Gerontology Primary Care, and Nurse Practitioner
Psychiatric Mental Health concentrations focus on the prepara-
tion of advanced practice registered nurses as nurse practitio-
ners. The Adult-Gerontology Clinical Nurse Specialist focuses on
the preparation of advanced practice registered nurses special-
ized 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 interde-
pendently with other healthcare providers to provide primary
care. They assess the physical, socio-emotional, and develop-
mental 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 therapeu-
tics, as well as early recognition and prompt treatment and manage-
ment of illness, prevention of complications, and needed rehabili-
tation. 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 im-
plementation of strategies to improve organizational, educa-
tional, 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-Gerontol-
ogy Clinical Nurse Specialist.

Students must meet the requirements of the university as des-
bribed in the Graduate Education section of this catalog, in addi-
tion 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 Nurs-
ing program, an applicant must have:

1. Submitted a university application for admission and a curric-
ulum 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 prac-
ticing in Michigan, a current Registered Nurse Michigan li-
cense is required. Applicants who hold Registered Nurse

3

NURSING
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 22 and a minimum average score of 80. Applicants who complete 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:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>NUR 902</td>
<td>Scientific Foundations for the Advanced Practice Nurse</td>
<td>3</td>
</tr>
<tr>
<td>NUR 903</td>
<td>Healthcare Informatics</td>
<td>3</td>
</tr>
<tr>
<td>NUR 904</td>
<td>Health Policy and Advocacy</td>
<td>3</td>
</tr>
<tr>
<td>NUR 905</td>
<td>Patient Safety, Quality Improvement and Quality Management in Healthcare</td>
<td>3</td>
</tr>
<tr>
<td>NUR 906</td>
<td>Leadership in Complex Health Systems</td>
<td>3</td>
</tr>
<tr>
<td>NUR 907</td>
<td>Advanced Pathophysiology for the Advanced Practiced Registered Nurse</td>
<td>3</td>
</tr>
<tr>
<td>NUR 908</td>
<td>Advanced Physical Assessment for the Advanced Practiced Registered Nurse</td>
<td>3</td>
</tr>
<tr>
<td>NUR 909</td>
<td>Advanced Pharmacology for the Advanced Practiced Registered Nurse</td>
<td>3</td>
</tr>
<tr>
<td>NUR 912</td>
<td>Health Promotion - Family</td>
<td>3</td>
</tr>
<tr>
<td>NUR 915</td>
<td>Clinical Diagnosis and Management I - Family</td>
<td>6</td>
</tr>
<tr>
<td>NUR 916</td>
<td>Clinical Diagnosis and Management II - Family</td>
<td>6</td>
</tr>
<tr>
<td>NUR 917</td>
<td>Clinical Diagnosis and Management III - Family</td>
<td>6</td>
</tr>
<tr>
<td>NUR 918</td>
<td>Clinical Diagnosis and Management IV - Family</td>
<td>6</td>
</tr>
</tbody>
</table>

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 collabo-
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 independently 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 therapies, 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 licenses 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 22 and a minimum average score of 80. Applicants must complete the Internet-based test (iBT), no subscore below 52 on the paper-based test (PBT). If the applicant completes the Test of English as a Foreign Language (TOEFL), 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

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 ................................................................. 6
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 ................................................................. 6
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 909 Clinical Diagnosis and Management I – Psychiatric Mental Health ................................................................. 6
NUR 925 Clinical Diagnosis and Management II – Evidence Based Therapeutic Interventions ................................................................. 6
NUR 954 Clinical Diagnosis and Management III – Evidence Based Therapeutic Interventions ................................................................. 6
NUR 955 Clinical Diagnosis and Management IV – Special Populations and Group ................................................................. 6
NUR 956 Clinical Diagnosis and Management V – Complex and Collaborative Mental Health Care ................................................................. 6
NUR 956 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 909 Clinical Diagnosis and Management I – Clinical Immersion – Psychiatric Mental Health ................................................................. 6
NUR 931 Weights 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 Advanced Practice Role Development IV ................................................................. 6
NUR 937 Clinical Nurse Specialist Advanced Practice Role Development V ................................................................. 6

**NURSE ANESTHESIA**
NUR 908 Advanced Physical Assessment for the Advanced Practice Registered Nurse ................................................................. 3
NUR 909 Advanced Pharmacology for the Advanced Practice Registered Nurse ................................................................. 3
NUR 986 Basic Principles of Anesthesia ................................................................. 4
NUR 986 Advanced Physiology and Pathophysiology for Anesthesia Practice ................................................................. 4
NUR 989 Advanced Physiology and Pathophysiology for Anesthesia Practice ................................................................. 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 ................................................................. 4
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 Degree 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 the 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:

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 999 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 (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. All of the following ............................... 52 to 54
2. Competitive scores on the Graduate Record Examination Verbal, Quantitative, and Analytic sections completed within 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 stationary 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 toward 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:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EPI 808 Biostatistics I</td>
<td>3</td>
</tr>
<tr>
<td>EPI 809 Biostatistics II</td>
<td>3</td>
</tr>
<tr>
<td>NUR 920 Translation of Research and Scientific Knowledge to Practice Setting</td>
<td>3</td>
</tr>
<tr>
<td>NUR 921 Scientific Foundations of Nursing Knowledge Development</td>
<td>3</td>
</tr>
<tr>
<td>NUR 924 Designing Interventions for Improving Health Outcomes</td>
<td>3</td>
</tr>
<tr>
<td>NUR 930 Methods in Clinical Research</td>
<td>3</td>
</tr>
<tr>
<td>NUR 939 Improving Health Outcomes: Scientific Foundations</td>
<td>4</td>
</tr>
<tr>
<td>NUR 940 Research Practicum</td>
<td>4 to 6</td>
</tr>
<tr>
<td>NUR 950 Nursing Research Seminar I</td>
<td>1</td>
</tr>
<tr>
<td>NUR 951 Nursing Research Seminar II</td>
<td>1</td>
</tr>
<tr>
<td>NUR 999 Doctoral Dissertation Research</td>
<td>24</td>
</tr>
</tbody>
</table>

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