The Graduate Curriculum Committee (GCC)
Meeting Minutes
Wednesday, January 15, 2014

Regular Members Present:
    Jim Decker (Chair)
    Bob Thompson (Vice Chair)
    Carol Brown
    Amy Carr-Richardson
    Hamid Fonooni
    Rich Franklin
    Sharon Knight
    Linda Mayne
    Ravi Paul
    Leonard Trujillo
    Ginger Woodard

Regular Members Excused:
     None

Ex-Officio Members Present:
    Rita Reaves and Diana Wright

Ex-Officio Members Excused:
    None

Academic Program Planning and Development:
    Teresa Baró Woolverton

Guests:
    Diane Coltraine, Office of the Registrar
    Scott Curtis, Burrell Montz, and Rosana Ferreira, Department of Geography, Planning and Environment
    Amy Jnah, Carol Winters, Mollie Powell, Donna Roberson, Carol Winters, and Carolyn Horne, College of Nursing
    Deb Culbertson and Heather Wright, Department of Communication Sciences and Disorders
    Lloyd Novick, Ari Mwachofi, Chris Mansfield, Tim Kelley, Gregory Kearney, Gary Vanderpool, Huabin Luo, Nancy Winterbauer, and Suzanne Lea, Department of Public Health
    Tim Kelley and Anthony Kulas, Department of Health Education and Promotion

Actions of Committee:

I. Call to Order

1. **Report on Graduate Council (GC) Actions**
   The December 4, 2013 GCC minutes were approved as amended. Sharon Knight's name is to be added to the list of regular members present at the December 4th GCC meeting. They have been forwarded on to the Graduate Council for approval.

II. Thomas Harriot College of Arts and Sciences
Department of Geography, Planning, and Environment – Scott Curtis introduced himself and Burrell Montz to the committee.

1. Proposal of New Courses: GEOG 6250, 6251, 6525, and PLAN 6250 – **Approved as amended**.

   GEOG 6525 - #5 Change the abbreviation M.A. to the word masters
           #16**.**d. Change grading scale 80-89 and 70-79

2. **Degree Change for Existing Program: Geography, MA to Geography, MS** - The GCC approved the concept for the change in degree name; however, Dr. Reaves explained that GA will have to approve the request and explained that the request was more than a simple name change to the degree, it is a change of degree. Dr. Thompson suggested that the Department of Geography prepare a separate memorandum of request to GA that improves upon the justifications for the degree change, and shows how the courses/degree have evolved over time. GA will determine whether they accept the degree change and the request will go into the queue. Dr. Gemperline also pointed out that the new degree will have different CIP codes as well.

III. College of Nursing – NNP – Carol Winters introduced Amy Jnah and Mollie Powell.
Amy Jnah explained the requested changes and objectives for the NNP program.

1. Revision of Existing Courses: NURS 6417, 6418, 6419, 6420, 6421, 6422, 6423, 6424 – **Approved as amended**.

   NURS 6419 - #16.a. Title of third textbook needs to be italicized
   NURS 6420 - #6. Include P/C: NURS 6417 to course description; remove NURS 6417 as prerequisite and replace with NURS 6419
   NURS 6422 - #16.d. Adjust grading scale to equal 100%
           #16b. Replace "effect" with "affect"
   NURS 6423 - #7. Remove the words "course description" from the sentence.
   NURS 6424 - #16.a. Remove italics to the words (3rd ed.)

IV. College of Nursing – CNS – Carolyn Horne introduced changes and objections of CNS requests.
The title change to both the concentration and the CNS Certificate meets credentialing requirements.

1. Revision of Existing Degree: Nursing, MSN – **Approved.**

2. Revision of Existing Certificate: Clinical Nurse Specialist Certificate – **Approved.**

3. Revision of Prerequisites of Existing Courses (no content change): NURS 6959 – **Approved.**

V. College of Allied Health Sciences
Department of Communication Sciences and Disorders – Heather Wright introduced herself and Deb Culbertson, and their program proposal.

1. Revision of Existing Degree: Communication Sciences and Disorders, PhD; Audiology, AuD – **Approved as amended**.

   - Memorandum of Request – remove any mention of the blended/dual AuD/PhD program.
   - Marked Catalog Copy- editorial revisions, addition of new information to the marked catalog copy with regard to requirements from program handbook, and removal of entire AuD/PhD blended program.

VI. Brody School of Medicine
Department of Public Health – DrPh – Lloyd Novick, Ari Mwachofi, Gregory Kearney, Gary Vanderpool, Huabin Luo, Nancy Winterbauer, Tim Kelley, Chris Mansfield, and Suzanne Lea; Dr. Novick introduced the team of faculty who have worked to put together the proposal for the new doctor of public health program.

1. Request for Authorization to Plan a New Degree Program: Doctor of Public Health – **Approved as amended.**

   Dr. Thompson asked Dr. Novick and his panel to address the concerns of the Academic Program Development Collaborative Team (APDCT).

   a. Dr. Mwachofi explained the need for another degree by highlighting the high percentages of health care workers who are going to retire in the next ten years and the high demand for trained professionals in this field. She also elaborated on the demand for new jobs related to healthcare labor.
   b. Dr. Kearney discussed the two trips he made to UNC-CH for meetings at which UNC-CH gave their full support and suggested that physicians use online resources to globally broadcast to a wider range of people. UNC-CH offers classes online and is willing to partner with ECU. Due to the fact that UNC-CH only admits a limited number of applicants, roughly only fifteen, they would be willing to help support the public health, environmental health, and occupational health programs by applicant referral.
   c. Dr. Gemperline raised questions with regard to UNC-Greensboro's program and advised that the paragraph in section 2, #3 that pertains to the demand and BLS data needs to be strengthened. He also added that the APDCT does support this program.

With regard to section 2, #5, it was suggested that there needs to be a narrative added that supports why a DrPh is more than just an MS degree.

d. Dr. Kearney reiterated the need and demand of environmental/occupational health jobs using the example of public health departments.

e. In section D on page 7, it was also suggested that the addition of the phrase "national model for regional transformation" be added.

f. Dr. Thompson stated it was imperative to strengthen the argument for demand because the new program was asking for a lot of new money. Dr. Thompson suggested they provide supporting documents to strengthen their argument for the new degree, as well as any documentation with regard to collaborating with UNC-CH.

g. Dr. Carol Brown raised a question with regard to the end of the first paragraph on page 2 that ends with the sentence, "They will also be trained and prepared to teach in higher education." Dr. Brown pointed out that it is not clear how they will be prepared to teach higher education due to the lack of courses that provide classroom preparation and instruction.

h. Dr. Vanderpool addressed budget concerns. Grant money will cover graduate assistantships; however, grant money will vary every year. Dr. Woodard pointed out that the NIH has recently been cutting grants. Dr. Novick responded that the grant figures used in creating the budget were conservatively estimated.

i. Dr. Thompson called for a vote and the proposal was approved as amended.

VII. Brody School of Medicine

Department of Public Health- MPH - Lloyd Novick, Ari Mwachofi, Gregory Kearney, Gary Vanderpool, Huabin Luo, Nancy Winterbauer, Tim Kelley, Chris Mansfield, and Suzanne Lea

1. Revision of an Existing Degree: Public Health, MPH – Suzanne Lea explained the reason for initially placing epidemiology and health administration together in one concentration; and why they need to separate into two concentrations. There is a high enough demand and enough faculty now for two different concentrations. **Approved as amended.**

2. Proposal of New Courses: MPH 6700, 6702, 6800, 6810, 7010, 7031, 7200 –**Approved as amended.**

   MPH 6702 - #16a.Textbook title needs to be italicized
              #16c. All topics beginning with "designing" to be moved to the
              Assignments section or reworded
   MPH 6800 - #6. Removal of "Consent of instructor" prerequisite
              #16a. Textbook titles need to be italicized
              #16c. The last words in the last two topics should be changed from us to US
   MPH 6810 - #6. Removal of "Consent of instructor" prerequisite
              #16a. Textbook titles need to be italicized
              #16b. The sixth objective needs to be reworded
              #16c. Remove the last sentence under topic outline

> #16d. Grading scale needs to be redone and the word "planning" with regard to   the Paper/Project assignment needs to be changed to "plan"
>
> MPH 7010 - #16a. Textbooks need to be listed in the Chicago style format
>
> MPH 7031 - #6. The word "consent" in the course description should be capitalized
>
> #16a. Textbooks need to be listed in the Chicago style format
>
> #16d. Grading scale needs to be adjusted so it is reflected correctly
>
> MPH 7200 - #5. The sentence regarding Graduate Faculty approval needs to be added to the justification paragraph
>
> #16a. Textbooks need to be listed in the Chicago style format

3. Editorial Revision to Existing Course: HLTH 6013 – removal of cross listing with MPH 6031. **Approved.**

VII. College of Health and Human Performance
Department of Health Education and Promotion – Tim Kelley and Anthony Kulas

1. Revision of Existing Degree: Environmental Health, MS EH – **Approved.**

2. Request to Delete Courses: EHST 5020, 5164, 5165- **Approved.**

III. Old Business

1. Dr. Thompson informed the committee that the nursing revisions have not been submitted to the GCC due to an illness in the nursing graduate dean's family.

2. Dr. Thompson mentioned the November 6, 2013 minutes were approved at the December 9th Graduate Council meeting.

IV. New Business

1. Diane Coltraine updated the committee with regard to Mary Crozier's proposal package for ADRE. The ADRE faculty has approved the revisions and Mary will be resubmitting them to the GCC committee.

2. Dr. Thompson also reported on having heard that the GCC should expect to receive roughly twenty-five packages during the spring. He indicated there may only be a need for 1 GCC extra session.

V. Adjournment

Curricular Actions Reviewed at this Meeting:

New courses	11
Revised courses (title, description, content, prereq., prefix, unbanking, etc.)	10
Renumbered courses (same or different level)	0
Banked courses	0
Deleted active courses	3

Deleted banked courses	0
New degrees (RAP – Phase I)	1
New degrees (RAE – Phase II)	0
New degrees (RAE – Phase III curriculum approval)	0
Deleted degrees	0
Revised degrees (admission text, core text, concentration text, dept. text, etc.)	4
New concentrations	0
Deleted concentrations	0
New certificates	0
Deleted certificates	0
Revised certificates	1
New minors	0
Deleted minors	0
Revised minors	0

Curricular Actions Reviewed to Date (to include this meeting):

New courses	84
Revised courses (title, description, content, prereq., prefix, unbanking, etc.)	27
Renumbered courses (same or different level)	0
Banked courses	0
Deleted active courses	3
Deleted banked courses	0
New degrees (RAP – Phase I)	1
New degrees (RAE – Phase II)	1
New degrees (RAE – Phase III curriculum approval)	0
New integrated programs	1
Deleted degrees	0
Revised degrees (admission text, core text, concentration text, dept. text, etc.)	7
New concentrations	0
Deleted concentrations	0
New certificates	1
Deleted certificates	0
Revised certificates	1
New minors	0
Deleted minors	0
Revised minors	0

Catalog Minutes:

Agenda Item II. Thomas Harriot College of Arts and Sciences
Department of Geography, Planning, and Environment

http://catalog.ecu.edu/preview_entity.php?catoid=3&ent_oid=167&returnto=192

Courses

GEOG: Geography

GEOG 6525 - Advanced Dynamic Meteorology
3
Applications of the governing equations of the atmosphere to advanced inquiry of atmospheric waves and extratropical cyclones.

GEOG 6250 - Advanced Environmental Impact Analysis
3 Same as PLAN 6250
C: GEOG 6251. Theory and techniques of environmental analysis. Environmental impact statements: what they are, how they came into being, their role in environmental decision making.

GEOG 6251 - Seminar in Environmental Impact Analysis
0
C: GEOG 6250 or PLAN 6250. Conceptual and theoretical foundations and current thinking in environmental impact analysis.

PLAN: Planning

PLAN 6250 - Advanced Environmental Impact Analysis
3 Same as GEOG 6250
C: GEOG 6251. Theory and techniques of environmental analysis. Environmental impact statements: what they are, how they came into being, their role in environmental decision making.

Agenda Item III. College of Nursing

http://catalog.ecu.edu/preview_entity.php?catoid=3&ent_oid=211&returnto=192

NURS: Nursing

NURS 6417 - Developmental Physiology for Advanced ~~Neonatal and Pediatric~~ Practice Nurses Across the Lifespan

3

May be repeated upon readmission to the concentration. P: Admission to NURS graduate program or consent of instructor. Explores developmental changes in morphological processes and normal and abnormal physiology in humans ~~from conception through adolescence~~ across the lifespan, with emphasis on the neonate and pediatric patient.

NURS 6418 - Health Assessment for Advanced Nursing Practice ~~of Neonatal and Pediatric Patients~~ Across the Lifespan

3

May be repeated upon readmission to the concentration. For advanced practice nurse. P: Admission to NURS graduate program or consent of instructor. Prepares the advanced practice nurse to comprehensively assess ~~neonatal and pediatric clients~~ clients across the lifespan, with emphasis on the neonate and pediatric patient, using the diagnostic reasoning process.

NURS 6419 - Clinical Pharmacology for Advanced ~~Neonatal and Pediatric~~ Nursing Practice Across the Lifespan

3

May be repeated upon readmission to the concentration. P: Admission to NURS graduate program or consent of instructor. ~~Pharmacological knowledge basic to assessment and management skills for advanced clinical nursing practice across the lifespan, with emphasis on the neonate and pediatric patient related to newborns and pediatric patients with common acute and chronic health problems.~~ Scientific inquiry relative to the pharmacodynamics, pharmacokinetics and pharmacotherapeutics of broad categories of agents across the lifespan, with emphasis on the neonate and pediatric patient.

NURS 6420 - Advanced Neonatal Nursing: Research and Theory I

3

May be repeated upon readmission to the concentration. P: ~~NURS 6417,~~ NURS 6418, NURS 6419. P/C: NURS 6417. Focuses on advanced study of the role of the neonatal nurse practitioner, management of the prenatal and postnatal environments, and investigation of anticipated health problems experienced by infants and implications for the infants and their families.

NURS 6421 - Advanced Neonatal Nursing Practicum I

~~2~~ 3

May be repeated upon readmission to the concentration. P/C: NURS 6420. Provides intensive neonatal clinical and didactic experiences ~~for neonatal nurse practitioner students~~ focusing on physiologic monitoring, diagnostic reasoning, anticipatory planning, and evidence-based therapeutic strategies in the daily management of the high-risk neonate and family.

NURS 6422 - Advanced Neonatal Nursing: Research and Theory II

3

May be repeated upon readmission to the concentration. P: NURS 6420. Focuses on the integration of theoretical frameworks and evidence-based research into clinical decision-making, neonatal nurse practitioner management of disorders of organ systems, and care of the family unit.

NURS 6423 - Advanced Neonatal Nursing Practicum II

4 3

May be repeated upon readmission to the concentration. P/C: NURS 6422. Provides Expands intensive neonatal clinical and didactic experiences for neonatal nurse practitioner students by focusing on acute and chronic physiologic monitoring, diagnostic reasoning, anticipatory planning, and evidence-based therapeutic strategies in the daily management and follow-up care of the high-risk neonate and family.

NURS 6424 - Advanced Neonatal Nursing: Research and Theory III

3

May be repeated upon readmission to the concentration. P: NURS 6422. Focuses on the collaborative integration of advanced knowledge to care for the infant and the family with complex needs.

Agenda Item IV. College of Nursing

http://catalog.ecu.edu/preview_program.php?catoid=3&poid=547

Nursing, MSN

The master of science in nursing program prepares graduates for advanced practice nursing and for leadership roles in a variety of community based or acute care provider agencies. The MSN program offers eight concentrations:

- Adult-Gerontology Nurse Practitioner (online)
- Adult-Gerontology Clinical Nurse Specialist in Adult Health (online)
- Family Nurse Practitioner (online)
- Neonatal Nurse Practitioner (online)
- Nurse Anesthesia
- Nurse Midwifery (online)
- Nursing Education (online)
- Nursing Leadership (online)

Part-time study is available. Certificate programs are available for post-master's study in selected areas. The program is accredited by the Commission on Collegiate Nursing Education, One Dupont Circle, NW Suite 530, Washington, DC 20036; phone 202-887-6791.

The nurse midwifery concentration is also accredited by the Accreditation Commission for Midwifery Education (ACME) formerly called the American College of Nurse-Midwives, Division of Accreditation, 8403 Colesville Road, Suite 1550, Silver Spring, MD 20910; phone 240-485-1802, fax 240-485-1818.

The nurse anesthesia program is accredited by the Council on Accreditation of Nurse Anesthesia Educational Programs, 222 South Prospect Avenue, Park Ridge, IL 60068; telephone 847-692-7050.

A RN/MSN option is available for registered nurses who do not have a baccalaureate degree in nursing.

The Alternate Entry (AE) MSN option* is a plan of study leading to the MSN degree for individuals who have earned a baccalaureate degree in another field. The program is divided into 2 phases: Phase I (Pre licensure) includes graduate courses that include content and experiences that are required to take the Registered Nurse Licensure examination (NCLEX-RN) and preparation for advanced study in nursing. Phase I only begins in fall semesters and full-time enrollment is required. Successful completion of the NCLEX-RN and licensure as a Registered Nurse is required prior to entering Phase II clinical concentration courses. Students may enroll in core classes during the first semester of Phase II, while obtaining credentials. Phase II will include courses in a selected clinical concentration.

Admission

Admission to the master of science in nursing degree program requires the student to meet the minimum admission requirements for graduate study as established by the university and the following requirements established by the College of Nursing.

- a baccalaureate degree in nursing from an accredited program
- a minimum GPA of 2.7 in undergraduate studies and a minimum GPA of 3.0 in nursing major
- acceptable score on the Graduate Record Examinations (GRE) or Miller Analogies Test (MAT) within the past five years (GRE score required for nurse anesthesia and nurse midwifery concentration applicants.)
- currently hold a nonrestricted license to practice as a registered nurse (RN) in North Carolina or a NCSBN compact state (The out-of-state student must procure a North Carolina RN license before enrolling in clinical courses.)
- a statement describing the applicant's interest in graduate study, career goals, and the MSN degree's relationship to those goals
- three professional references
- a personal interview with a member of the graduate faculty

Due to the high demand of courses by our enrolled MSN students, the College of Nursing will not enroll nondegree graduate students at this time. Prospective students are encouraged to apply for full admission as soon as possible in order to be eligible for all College of Nursing course offerings.

Applicants for the nurse midwifery concentration, in addition to the general admission criteria, must have one year RN experience (labor and delivery preferred), demonstrate a commitment to practice with under-served populations, and one of the references should be from a health care provider

knowledgeable about the applicant's nursing practice.

Applicants for the family nurse practitioner and adult-gerontology nurse practitioner concentrations, in addition to the general admission criteria, must have one year RN experience and provide a third reference from a health care provider knowledgeable about the applicant's nursing practice. The application deadline for both concentrations is January 2.

Applicants for the nurse anesthesia concentration, in addition to the general admission criteria, must have one-year adult critical care experience, completion of a supplemental nurse anesthesia admissions packet, a total of five professional references (two on forms provided in nurse anesthesia admissions packet), and an interview with the Nurse Anesthesia Admissions Committee. The application deadline for the nurse anesthesia concentration is May 31.

Applicants for the adult-gerontology clinical nurse specialist concentration, in addition to the general admission criteria, must have one year of current practice experience and provide a third reference from a health care provider knowledgeable about the applicant's nursing practice.

Completed applications for the adult-gerontology clinical nurse specialist concentration will be considered for fall and spring admission. Applications must be received by October 1 for spring, June 1 for fall.

Applicants for the neonatal nurse practitioner concentration, in addition to the general admission criteria, must have two years of current practice experience in a critical-care environment for high risk neonatal care RN experience and provide a third reference from a health care provider knowledgeable about the applicant's nursing practice.

Applicants may take core courses while gaining the required RN experience for admission into selected concentrations.

Applicants for admission to the (AE) MSN option must meet general admission requirements with the exception of a valid RN license and baccalaureate degree in nursing. Applicants must have a baccalaureate degree in another field. Additional requirements include:

- Completion of prerequisite courses – chemistry, human anatomy and physiology, microbiology, human growth and development, nutrition, ethics, and statistics.
- A minimum 3.0 GPA in undergraduate major
- Current nonrestricted license to practice as a RN in NC or a NCSBN compact state prior to entering Phase II clinical concentration courses.

Application deadline for the (AE) MSN option is December 1.

Completed applications will be considered as they are received, with the exception of nurse anesthesia, family nurse practitioner, adult nurse practitioner, neonatal nurse practitioner, adult-gerontology clinical nurse specialist, and the alternate entry master of science in nursing option.

Applicants for the nursing education, nursing leadership, and adult-gerontology clinical nurse specialist

concentrations must have a minimum of one year RN experience prior to enrolling in specialty courses.

Applicants for the nursing leadership concentration, in addition to the general admission criteria, must provide a third reference from a health care provider knowledgeable about the applicant's nursing practice.

Applicants for admission to the RN/MSN option will be evaluated using the following criteria.

- a minimum 3.0 GPA in undergraduate studies and a minimum 3.0 GPA in the nursing major in the previous nursing program
- one year RN experience
- an acceptable score on the GRE or the MAT within the past five years
- current nonrestricted license to practice as a RN in North Carolina or a NCSBN compact state
- a statement describing the applicant's interest in graduate study, career goals, and the MSN degree's relationship to those goals
- three professional references
- a personal interview with the director of RN/BSN studies and a member of the College of Nursing graduate faculty

Note:

Note: Students are no longer being accepted into the Adult-Gerontology Nurse Practitioner and Family Nurse Practitioner concentrations or in the Alternate Entry (AE) MSN option.

Program Prerequisites

A course in statistics with a grade of C or higher and basic computer skills with both applications software and the Internet are prerequisites for all concentrations. A course in basic accounting is a prerequisite for the nursing leadership concentration.

Students in the (AE) MSN option must complete all cognate requirements prior to beginning the program. Admission to the (AE) MSN option does not guarantee entry into a specific graduate concentration.

Students in the RN/MSN option must complete all general education and cognate requirements prior to beginning undergraduate nursing courses. Separate application is made to the graduate program in the first or second semester of study in the RN/MSN option. Students enrolled in the RN/MSN option must maintain a 3.0 GPA in the 15 s.h. of undergraduate nursing courses to be eligible to continue in this option. Admission to the RN/MSN option does not guarantee entry into a specific graduate concentration.

Degree Requirements

Depending upon the concentration area chosen within the degree program, the master of science in nursing requires 37-69 s.h. as follows. Concentrations are clustered as administrative, clinical, and education.

Administrative:

- Nursing Leadership – Acute Care Health Systems - 42 s.h.
- Nursing Leadership – Community Based Health Systems - 42 s.h.
- Nursing Leadership – Educational Systems - 42 s.h.

Clinical:

- Adult-Gerontology Nurse Practitioner - 47 s.h.
- Adult-Gerontology Clinical Nurse Specialist in Adult Health - 43 s.h.
- Family Nurse Practitioner - 51 s.h.
- Neonatal Nurse Practitioner - 42 s.h.
- Nurse Anesthesia - 69 s.h.
- Nurse Midwifery - 51 s.h.

Education:

- Nursing Education - 37 s.h.

Requirements:

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1. Common core - 13 s.h.:

- NURS 6080 - Theory for the Practice of Advanced Nursing
- NURS 6081 - Research for the Practice of Advanced Nursing
- NURS 6082 - Influencing Healthcare Quality, Safety, and Policy
- NURS 6083 - Healthcare, Finance, and Economics
- NURS 6993 - Advanced Nursing Synthesis

2. Cluster core - 9-20 s.h.

(Choose appropriate cluster for concentration.)

Adult-Gerontology Nurse Practitioner - 9 s.h.:

- NURS 6050 - Human Physiology and Pathophysiology for Advanced Nursing Practice
- NURS 6610 - Health Assessment for Advanced Nursing Practice
- NURS 6611 - Clinical Pharmacology for Advanced Nursing Practice

Adult-Gerontology Clinical Nurse Specialist ~~in Adult Health~~ - 12 s.h.:

- NURS 6050 - Human Physiology and Pathophysiology for Advanced Nursing Practice
- NURS 6208 - Concepts of Health Promotion and Disease Prevention for Advanced Nursing Practice
- NURS 6610 - Health Assessment for Advanced Nursing Practice
- NURS 6611 - Clinical Pharmacology for Advanced Nursing Practice

Family Nurse Practitioner - 9 s.h.:

- NURS 6050 - Human Physiology and Pathophysiology for Advanced Nursing Practice
- NURS 6610 - Health Assessment for Advanced Nursing Practice
- NURS 6611 - Clinical Pharmacology for Advanced Nursing Practice

Neonatal Nurse Practitioner - 9 s.h.:

- NURS 6417 - Development Physiology for Advanced Neonatal and Pediatric
- NURS 6418 - Health Assessment for Advanced Nursing Practice of Neonatal and Pediatric Patients
- NURS 6419 - Clinical Pharmacology for Advanced Neonatal and Pediatric Nursing Practice

Nurse Anesthesia - 20 s.h.:

- NURS 6610 - Health Assessment for Advanced Nursing Practice
- NURS 6810 - Human Physiology for Nurse Anesthetists

- NURS 6811 - Anesthesia Pharmacology
- NURS 6813 - Chemistry and Physics of Anesthesia
- PTHE 8008 - Gross Anatomy

Nurse Midwifery - 9 s.h.:

- NURS 6050 - Human Physiology and Pathophysiology for Advanced Nursing Practice
- NURS 6610 - Health Assessment for Advanced Nursing Practice
- NURS 6611 - Clinical Pharmacology for Advanced Nursing Practice

Nursing Education - 9 s.h.:

- NURS 6050 - Human Physiology and Pathophysiology for Advanced Nursing Practice
- NURS 6610 - Health Assessment for Advanced Nursing Practice
- NURS 6611 - Clinical Pharmacology for Advanced Nursing Practice

Nursing Leadership - NURS 10 s.h.:

- NURS 6971 - Health Policy, Law, and Regulation
- NURS 6973 - Management of Human Resources and Professional Relationships in Health Systems
- NURS 6974 - Financial Management and Decision-making in Nursing Leadership
- NURS 6986 - Analytical Foundations of Nursing Leadership

3. Concentration area - 15-36 s.h.

(Choose one area.)

Administrative - 19 s.h.:

Nursing Leadership – Acute Care Health Systems - 19 s.h.:

- NURS 6977 - Nursing Leadership Practicum I
- NURS 6978 - Nursing Leadership Practicum II
- NURS 6983 - Administrative and Organizational Theory and Ethics: Applications in Nursing and

Health Systems
- NURS 6984 - Informatics for Advanced Nursing Practice
- NURS 6985 - Management of Clinical Services Delivery and Outcomes
- 3 s.h. electives

Nursing Leadership – Community Based Health Systems - 19 s.h.:

- NURS 6310 - Advanced Community Health Nursing I
- NURS 6311 - Advanced Community Health Nursing II
- NURS 6977 - Nursing Leadership Practicum I
- NURS 6978 - Nursing Leadership Practicum II
- NURS 6983 - Administrative and Organizational Theory and Ethics: Applications in Nursing and Health Systems
- NURS 6984 - Informatics for Advanced Nursing Practice

Nursing Leadership – Educational Health Systems - 19 s.h.:

- NURS 6903 - Curriculum Development in Nursing
- NURS 6904 - Educational Concepts, Theories, and Strategies in Nursing
- NURS 6909 - Evaluation in Nursing Education
- NURS 6977 - Nursing Leadership Practicum I
- NURS 6978 - Nursing Leadership Practicum II
- NURS 6983 - Administrative and Organizational Theory and Ethics: Applications in Nursing and Health Systems

Clinical - 18-36 s.h.:

Adult-Gerontology Nurse Practitioner - 25 s.h.

- NURS 6612 - Advanced Nursing Practice with Families in Primary Health Care
- NURS 6613 - Advanced Nurse Practitioner Role Development
- NURS 6614 - Advanced Practice Nursing with Families: Primary Care of Adults
- NURS 6615 - Adolescent and Adult Reproductive Healthcare
- NURS 6618 - Advanced Practice Nursing Practicum: Primary Care of Adults
- NURS 6621 - Care of Older Adults
- NURS 6622 - Care of Older Adults with Acute and Chronic Illness Practicum
- NURS 6623 - Specialty Care of Adults

Adult-Gerontology Clinical Nurse Specialist ~~in Adult Health~~ - 18 s.h.:

- NURS 6959 - Clinical Nurse Specialist Theory and Role Development
- NURS 6960 - Clinical Nurse Specialist Practicum I
- NURS 6961 - Clinical Nurse Specialist Practicum II
- NURS 6962 - Clinical Nurse Specialist Practicum III
- NURS 6989 - Clinical Practice for the CNS Across the Adult Lifespan
- 3 s.h. elective clinical specialty courses

Family Nurse Practitioner - 29 s.h.:

- NURS 6612 - Advanced Nursing Practice with Families in Primary Health Care
- NURS 6613 - Advanced Nurse Practitioner Role Development
- NURS 6614 - Advanced Practice Nursing with Families: Primary Care of Adults
- NURS 6615 - Adolescent and Adult Reproductive Healthcare
- NURS 6616 - Advanced Practice Nursing with Families: Childbearing Clients
- NURS 6617 - Advanced Practice Nursing with Families: Primary Care of Infants, Children, and Adolescents
- NURS 6618 - Advanced Practice Nursing Practicum: Primary Care of Adults
- NURS 6619 - Advanced Practice Nursing Practicum: Primary Care of Childbearing and Childrearing Families
- NURS 6620 - Advanced Practice Nursing Practicum: Synthesis in Primary Care of Families

Neonatal Nurse Practitioner - 20 s.h.:

- NURS 6420 - Advanced Neonatal Nursing: Research and Theory I
- NURS 6421 - Advanced Neonatal Nursing Practicum I
- NURS 6422 - Advanced Neonatal Nursing: Research and Theory II
- NURS 6423 - Advanced Neonatal Nursing Practicum II
- NURS 6424 - Advanced Neonatal Nursing: Research and Theory III
- NURS 6425 - Advanced Neonatal Nursing Practicum III

Nurse Anesthesia - 36 s.h.:

- NURS 6805 - Advanced Pharmacology for Nurse Anesthesia I
- NURS 6806 - Advanced Pharmacology for Nurse Anesthetists II
- NURS 6812 - Professional Aspects of Nurse Anesthesia

- NURS 6814 - Basic Principles of Nurse Anesthesia
- NURS 6815 - Advanced Principles of Nurse Anesthesia I
- NURS 6816 - Advanced Principles of Nurse Anesthesia II
- NURS 6817 - Clinical Correlations I
- NURS 6818 - Clinical Correlations II
- NURS 6819 - Clinical Practicum in Nurse Anesthesia I
- NURS 6820 - Clinical Practicum in Nurse Anesthesia II
- NURS 6821 - Clinical Practicum in Nurse Anesthesia III
- NURS 6822 - Clinical Practicum in Nurse Anesthesia IV
- NURS 6823 - Clinical Practicum in Nurse Anesthesia V
- NURS 6824 - Advanced Principles of Nurse Anesthesia III

Nurse Midwifery - 29 s.h.:

- NURS 6109 - Introductory Nurse Midwifery Professional Roles and Issues
- NURS 6110 - Reproductive Physiology
- NURS 6112 - Nurse-Midwifery Management: Well Women Care
- NURS 6113 - Nurse-Midwifery Management: Antepartal Care
- NURS 6115 - Nurse-Midwifery Management: Intrapartal Care
- NURS 6116 - Nurse-Midwifery Management: Postpartal Care and Neonatal Care
- NURS 6117 - Nurse-Midwifery Management: Integration Practicum
- NURS 6118 - Integration of Nurse-Midwifery Professional Roles and Issues
- NURS 6119 - Nurse-Midwifery Management: Introduction to Primary Care for Well Women

Nursing Education - 15 s.h.:

- NURS 6903 - Curriculum Development in Nursing
- NURS 6904 - Educational Concepts, Theories, and Strategies in Nursing
- NURS 6905 - Nursing Education Role Practicum I
- NURS 6909 - Evaluation in Nursing Education
- 3 s.h. elective or cognate

4. Students in the Nursing Education concentration who have limited teaching experience may be required to take

- NURS 6908 - Nursing Education Role Practicum II

5. Students in the Nursing Leadership concentration who have limited finance experience may be required to take

- NURS 6987 - Budgeting and Decision Making in Healthcare

Note:

Enrollment is necessary for continued research advisement. A comprehensive assessment is required for graduation for all MSN degree-seeking students.

Students in the RN/MSN option must complete the following undergraduate courses prior to enrolling in any graduate nursing courses–NURS 3020, 3021, 3510, 3900, 4210, 4211.

http://catalog.ecu.edu/preview_program.php?catoid=3&poid=916

Nursing Practice, DNP

The doctor of nursing practice (DNP) degree is a practice-focused terminal degree earned by specialists in advanced nursing practice. The DNP focuses on developing nursing experts in translating and applying research findings into clinical practice rather than in generating new knowledge. The post-master's DNP curriculum expands the competencies of the advanced practice registered nurse (APRN) from the master's level to encompass knowledge required as nurse leaders in increasingly complex healthcare systems to assess published evidence informing practice, improve systems of care to improve healthcare outcomes, and to make changes to enhance the quality of care.

The location and mission of the College of Nursing as well as the expertise of the faculty provide a unique opportunity for the application of research in the identification and resolution of individual and aggregate health systems problems related to nursing and health issues in rural underserved areas. The DNP will provide the knowledge base to:

- Implement and evaluate clinical practice based on scientific knowledge.
- Assume advanced practice nursing roles as an expert clinician.
- Demonstrate advanced leadership skills necessary to meet the challenges of increasingly complex healthcare organizations.
- Demonstrate analytical methodologies for the evaluation of clinical practice and the application of scientific evidence to improve professional practice.
- Apply clinical scholarship methodologies for organizational quality improvement, evidence-based practice, and healthcare outcomes.
- Use advanced skills to design, develop, and implement the use of contemporary technological information systems.
- Demonstrate expertise in the analysis, formulation, and implementation of healthcare policy.
- Collaborate with interprofessional teams necessary to meet healthcare needs of individuals and populations.
- Apply ethical theories, legal and practice standards, and advocacy to decision-making in healthcare issues.

- Apply population-based methodologies for health promotion and disease-prevention in advanced practice.

Upon graduation, students are prepared to assume leadership positions as clinicians, administrators in public and private health care organizations, policy makers and analysts, and university faculty. Additional course work may be required, depending on student objectives and focus.

Admission Requirements:

- One official transcript from each college or university attended.
- A master's degree in nursing in an advanced practice registered nursing (APRN) specialty (nurse anesthesia, clinical nurse specialist, nurse midwifery, nurse practitioner) with evidence of completion of graduate level pathophysiology, pharmacology and advanced physical assessment courses from an accredited school*.
- Certification as an APRN (if applicable).
- A minimum grade-point average of 3.2 on a 4.0 scale on all graduate work.
- Evidence of current unrestricted RN licensure from North Carolina or a National Council of State Boards of Nursing compact state. International applicants must work with the Commission of Graduate of Foreign Nursing Schools to validate credentials before applying for RN licensure.
- Satisfactory performance on Test of English as a Foreign Language (TOEFL) scores where English is not the first language. Students on foreign student visas must present evidence of professional standing in their respective countries.
- Computer competency with proficiency in development and use of databases, patient information systems, statistical sets, and use of various statistical packages for data analysis.
- A graduate statistics course taken within the past 5 years which included inferential statistics.
- A graduate research methodology course.
- Satisfactory performance on the Graduate Record Exam (GRE) within five years prior to admission. Scores will be individually evaluated in relation to all other admissions requirements.
- Written statement of personal career, educational, and scholarship goals; identification of practice interests, leadership goals consistent with program goals.
- Three written professional references from individuals with expertise to comment on the applicant's capability for doctoral scholarship (for example, university professors, employers). At least one of the references must be from a doctoral prepared nurse.
- A current curriculum vita.
- A representative portfolio limited to no more than 25 pages demonstrating evidence of professional practice accomplishments, community service and scholarship.
- An interview with members of the DNP admission committee to include a discussion of congruence between the student's practice interests/career goals and the expertise and research of the faculty.

Application

The post-master's DNP program admits 20 students each year. Applications for study to begin in the fall semester will be accepted until the end of the first full week in January. Applicants are expected to ensure that the Graduate School and the College of Nursing receive all supporting credentials by the final filing date. Applicants are evaluated in five areas: GPA, GRE, references, essay, and interview. Completed applications are considered in a competitive review process. All completed applications received by the final filing date will be given careful consideration. All *completed applications* are reviewed by the DNP admission committee shortly after the admission deadline. All completed applicant packets are discussed among the DNP admissions committee until consensus has been attained for competitive rankings for admission decisions. Every effort is made to complete the competitive admission process by the last week in February with admissions notifications by the first week of March. Each applicant will be notified in writing of the admission decision after the admission process is completed.

Preference is given to those who demonstrate a capacity for creative inquiry, critical thinking, scholarship, and leadership. In the case of equally qualified applicants, preference will be given to individuals who intend to pursue doctoral study on a full-time basis. Students will be assigned an academic advisor at the time of admission. All admitted DNP students are required to attend a College of Nursing orientation session at the beginning of the fall semester.

Degree Requirements

The post-master's DNP is offered as an online, 36 semester hour post-master's program of study for advanced practice nurses. Students are required to complete a minimum of 36 semester hours beyond the master's degree. Campus requirements and group learning will serve as a foundational component of the DNP program of study. A minimum of 12 scholarly practicum credit hours will be divided over 4-5 semesters depending on capstone project complexity. In order to achieve the DNP competencies, students must complete a minimum of 1,000 hours of post-baccalaureate practice hours as part of a supervised academic program. Practice hours earned in accredited MSN/APRN programs are included in the total of the minimum required hours. Students may enroll in either full-time or part-time programs of study, completing their degree requirements in 4 or 6 semesters, respectively.

As in other programs of doctoral study, students in this program may expect to enroll in more than the minimum required credit hours and to be aware that study opportunities that focus on particular areas of study are in addition to the basic program requirements. Additional study is individualized and depends on the student's background and graduate preparation as well as the employment role identified as a career focus. This program of study enrolls both full- and part-time students. Students need to closely adhere to the plan of study, as some courses are offered only once a year. To deviate from the plan of study will mean a delay of one or more semesters before course enrollment is again possible.

Post-Master's DNP Requirements - 36 s.h.:

- 36 credit hours (beyond the MSN requirements)
- Capstone: A minimum of 12 scholarly practicum s.h. divided over 4-5 semesters depending on capstone project complexity.
- In order to achieve the DNP competencies, programs should provide a minimum of 1,000 hours of practice post-baccalaureate as part of a supervised academic program.
- 36 TOTAL Post-MSN/DNP Credit Hrs.

Core Courses:

- NURS 8266 - Philosophical, Theoretical, and Conceptual Foundations of Advanced Nursing Practice
- NURS 8267 - Design and Statistical Methods for Advanced Nursing Practice
- NURS 8268 - Interdisciplinary Leadership and Role Development for Practice Excellence
- NURS 8270 - Population Health in Advanced Interdisciplinary Practice
- NURS 8271 - Informatics for Advanced Nursing Practice
- NURS 8273 - Healthcare Finance
- NURS 8275 - Application of Best Practices in Interdisciplinary Settings
- NURS 8276 - Healthcare Policy, Politics, and Ethics

Scholarly Practicum Courses:

- NURS 8269 - Scholarly Practicum I
- NURS 8272 - Scholarly Practicum II
- NURS 8274 - Scholarly Practicum III
- NURS 8277 - Scholarly Practicum IV

Note:

Graduate credits earned at other institutions may be accepted in partial fulfillment of the requirements for the doctoral program. Courses offered for transfer credit will be evaluated individually relative to Graduate School requirements, program requirements, and the student's plan of study. Please refer to the Graduate School Transfer Credits Policy located at http://www.ecu.edu/cs-acad/grcat/regulations.cfm#transfer.

Students must maintain a minimum grade point average of 3.0 (on a 4.0 scale) throughout the program.

Academic progress will be evaluated at the end of each semester by the academic advisor, who is responsible for notifying the associate dean for graduate programs if a student's academic status is in jeopardy.

Students are required to complete a scholarly practicum project, which informs practice, improves systems of care to improve healthcare outcomes, or make changes to enhance the quality of care. Scholarly projects are completed under the direction of the scholarly project committee consisting of a faculty advisor, faculty committee member and a clinical mentor with expertise in the scholarly project domain. The scholarly practicum project consists of a minimum of 12 scholarly practicum s.h. divided over 4-5 semesters depending on capstone project complexity. Successful progression through each phase of the scholarly development project must be approved by the scholarly project committee.

http://catalog.ecu.edu/preview_program.php?catoid=3&poid=548

Adult-Gerontology Nurse Practitioner Certificate

Note: Students are no longer being accepted into the adult-gerontology nurse practitioner certificate. Please see the **doctor of nursing practice (DNP) .**

Post MSN Certificate Programs

Eight post-MSN certificate options (adult-gerontology nurse practitioner, adult-gerontology clinical nurse specialist, family nurse practitioner, neonatal nurse practitioner, nurse-anesthesia, nurse midwifery, nursing leadership and nursing education) offer advanced practice education, qualifying those who complete the clinical options to take national certification exams. In addition, the nursing education post-master's certificate prepares nurses for beginning teaching roles in nursing education.

Admission Requirements

- A master's degree in nursing from an accredited program
- A current non-restricted license to practice as a registered nurse (RN) in North Carolina or an NCSBN compact state. Individual advisement will be necessary for licensure regulations for online out-of-state students.
- A personal statement describing the applicant's interest in graduate study, career goals, and the certificate's relationship to those goals.
- Three professional references with one reference from an individual who is knowledgeable of

the applicant's nursing practice
- One year clinical experience as an RN
- A personal interview with a member of the graduate faculty

Applicants for the nurse midwifery post-master's certificate, in addition to the general admission criteria, must have one year RN experience (labor and delivery preferred).

Applicants for the nurse anesthesia post-master's certificate, in addition to the general admission criteria, must have one year adult critical care experience as a RN, completion of a supplemental nurse anesthesia admission packet, a total of five professional references (two on forms provided in the nurse anesthesia admissions packet) and an interview with Nurse Anesthesia Admissions Committee. Courses in physiology and chemistry/biochemistry within five years are highly recommended. Acceptable score on GRE within past 5 years (GRE required).

Applicants for the neonatal post-master's certificate, in addition to the general admission criteria, must have two years of current practice experience as a RN in a critical care environment for high-risk neonatal care.

Applicants for the adult-gerontology clinical nurse specialist post master's certificate, in addition to the general admission criteria, must have one year RN experience.

Applicants for the post-master's certificate options in adult nurse practitioner, adult-gerontology clinical nurse specialist, family nurse practitioner, neonatal nurse practitioner, and nurse midwifery must have had graduate level courses in pathophysiology (reproductive physiology is an additional requirement for nurse midwifery), health assessment and pharmacology within the past five years or approval by the concentration director; otherwise, students will be required to take these courses as part of the post-master's certificate requirement.

Adult-Gerontology Nurse Practitioner - 10-33 s.h.:

- NURS 6621 - Care of Older Adults
- NURS 6622 - Care of Older Adults with Acute and Chronic Illness Practicum
- NURS 6623 - Specialty Care of Adults

Depending on student's needs and past education, additional course work from the following may be required:

- NURS 6050 - Human Physiology and Pathophysiology for Advanced Nursing Practice
- NURS 6610 - Health Assessment for Advanced Nursing Practice
- NURS 6611 - Clinical Pharmacology for Advanced Nursing Practice
- NURS 6612 - Advanced Nursing Practice with Families in Primary Health Care
- NURS 6613 - Advanced Nurse Practitioner Role Development
- NURS 6614 - Advanced Practice Nursing with Families: Primary Care of Adults

- NURS 6615 - Adolescent and Adult Reproductive Healthcare
- NURS 6618 - Advanced Practice Nursing Practicum: Primary Care of Adults or
- Equivalent clinical courses

http://catalog.ecu.edu/preview_program.php?catoid=3&poid=549

Adult-Gerontology Clinical Nurse Specialist Certificate

Post MSN Certificate Programs

Eight post-MSN certificate options (adult-gerontology nurse practitioner, adult-gerontology clinical nurse specialist, family nurse practitioner, neonatal nurse practitioner, nurse-anesthesia, nurse midwifery, nursing leadership and nursing education) offer advanced practice education, qualifying those who complete the clinical options to take national certification exams. In addition, the nursing education post-master's certificate prepares nurses for beginning teaching roles in nursing education.

Admission Requirements

- A master's degree in nursing from an accredited program
- A current non-restricted license to practice as a registered nurse (RN) in North Carolina or an NCSBN compact state. Individual advisement will be necessary for licensure regulations for online out-of-state students.
- A personal statement describing the applicant's interest in graduate study, career goals, and the certificate's relationship to those goals.
- Three professional references with one reference from an individual who is knowledgeable of the applicant's nursing practice
- One year clinical experience as an RN
- A personal interview with a member of the graduate faculty

Applicants for the nurse midwifery post-master's certificate, in addition to the general admission criteria, must have one year RN experience (labor and delivery preferred).

Applicants for the nurse anesthesia post-master's certificate, in addition to the general admission criteria, must have one year adult critical care experience as a RN, completion of a supplemental nurse anesthesia admission packet, a total of five professional references (two on forms provided in the nurse anesthesia admissions packet) and an interview with Nurse Anesthesia Admissions Committee. Courses in physiology and chemistry/biochemistry within five years are highly recommended. Acceptable score on GRE within past 5 years (GRE required).

Applicants for the neonatal post-master's certificate, in addition to the general admission criteria, must have two years of current practice experience as a RN in a critical care environment for high-risk

neonatal care.

Applicants for the adult-gerontology clinical nurse specialist post master's certificate, in addition to the general admission criteria, must have one year RN experience.

Applicants for the post-master's certificate options in adult nurse practitioner, adult-gerontology clinical nurse specialist, family nurse practitioner, neonatal nurse practitioner, and nurse midwifery must have had graduate level courses in pathophysiology (reproductive physiology is an additional requirement for nurse midwifery), health assessment and pharmacology within the past five years or approval by the concentration director; otherwise, students will be required to take these courses as part of the post-master's certificate requirement.

Adult-Gerontology Clinical Nurse Specialist - 15-30 s.h.:

- NURS 6959 - Clinical Nurse Specialist Theory and Role Development
- NURS 6960 - Clinical Nurse Specialist Practicum I
- NURS 6961 - Clinical Nurse Specialist Practicum II
- NURS 6962 - Clinical Nurse Specialist Practicum III
- NURS 6989 - Clinical Practice for the CNS Across the Adult Lifespan

Depending on student's needs and past education, additional course work from the following may be required:

- NURS 6050 - Human Physiology and Pathophysiology for Advanced Nursing Practice
- NURS 6208 - Concepts of Health Promotion and Disease Prevention for Advanced Nursing Practice
- NURS 6610 - Health Assessment for Advanced Nursing Practice
- NURS 6611 - Clinical Pharmacology for Advanced Nursing Practice
- NURS 6214 - Chronic Health Problems: Concepts and Theories for Advanced Nursing Practice
- NURS 6224 - Acute Health Problems: Concepts and Theories for Advanced Nursing Practice or
- Equivalent clinical courses

http://catalog.ecu.edu/preview_program.php?catoid=3&poid=550

Family Nurse Practitioner Certificate

Note: Students are no longer being accepted into the family nurse practitioner certificate. Please see the doctor of nursing practice (DNP) .

Post MSN Certificate Programs

Eight post-MSN certificate options (adult-gerontology nurse practitioner, adult-gerontology clinical nurse specialist, family nurse practitioner, neonatal nurse practitioner, nurse-anesthesia, nurse midwifery, nursing leadership and nursing education) offer advanced practice education, qualifying those who complete the clinical options to take national certification exams. In addition, the nursing education post-master's certificate prepares nurses for beginning teaching roles in nursing education.

Admission Requirements

- A master's degree in nursing from an accredited program
- A current non-restricted license to practice as a registered nurse (RN) in North Carolina or an NCSBN compact state. Individual advisement will be necessary for licensure regulations for online out-of-state students.
- A personal statement describing the applicant's interest in graduate study, career goals, and the certificate's relationship to those goals.
- Three professional references with one reference from an individual who is knowledgeable of the applicant's nursing practice
- One year clinical experience as an RN
- A personal interview with a member of the graduate faculty

Applicants for the nurse midwifery post-master's certificate, in addition to the general admission criteria, must have one year RN experience (labor and delivery preferred).

Applicants for the nurse anesthesia post-master's certificate, in addition to the general admission criteria, must have one year adult critical care experience as a RN, completion of a supplemental nurse anesthesia admission packet, a total of five professional references (two on forms provided in the nurse anesthesia admissions packet) and an interview with Nurse Anesthesia Admissions Committee. Courses in physiology and chemistry/biochemistry within five years are highly recommended. Acceptable score on GRE within past 5 years (GRE required).

Applicants for the neonatal post-master's certificate, in addition to the general admission criteria, must have two years of current practice experience as a RN in a critical care environment for high-risk neonatal care.

Applicants for the adult-gerontology clinical nurse specialist post master's certificate, in addition to the general admission criteria, must have one year RN experience.

Applicants for the post-master's certificate options in adult nurse practitioner, adult-gerontology clinical nurse specialist, family nurse practitioner, neonatal nurse practitioner, and nurse midwifery must have had graduate level courses in pathophysiology (reproductive physiology is an additional requirement for nurse midwifery), health assessment and pharmacology within the past five years or approval by the concentration director; otherwise, students will be required to take these courses as part of the post-

master's certificate requirement.

Family Nurse Practitioner - 15-38 s.h.:

- NURS 6616 - Advanced Practice Nursing with Families: Childbearing Clients
- NURS 6617 - Advanced Practice Nursing with Families: Primary Care of Infants, Children, and Adolescents
- NURS 6619 - Advanced Practice Nursing Practicum: Primary Care of Childbearing and Childrearing Families
- NURS 6620 - Advanced Practice Nursing Practicum: Synthesis in Primary Care of Families

Depending on student's needs and past education, additional course work from the following may be required:

- NURS 6050 - Human Physiology and Pathophysiology for Advanced Nursing Practice
- NURS 6610 - Health Assessment for Advanced Nursing Practice
- NURS 6611 - Clinical Pharmacology for Advanced Nursing Practice
- NURS 6612 - Advanced Nursing Practice with Families in Primary Health Care
- NURS 6613 - Advanced Nurse Practitioner Role Development
- NURS 6614 - Advanced Practice Nursing with Families: Primary Care of Adults
- NURS 6615 - Adolescent and Adult Reproductive Healthcare
- NURS 6618 - Advanced Practice Nursing Practicum: Primary Care of Adults

http://catalog.ecu.edu/preview_program.php?catoid=3&poid=551

Neonatal Nurse Practitioner Certificate

Post MSN Certificate Programs

Eight post-MSN certificate options (adult-gerontology nurse practitioner, adult-gerontology clinical nurse specialist, family nurse practitioner, neonatal nurse practitioner, nurse-anesthesia, nurse midwifery, nursing leadership and nursing education) offer advanced practice education, qualifying those who complete the clinical options to take national certification exams. In addition, the nursing education post-master's certificate prepares nurses for beginning teaching roles in nursing education.

Admission Requirements

- A master's degree in nursing from an accredited program
- A current non-restricted license to practice as a registered nurse (RN) in North Carolina or an NCSBN compact state. Individual advisement will be necessary for licensure regulations for online out-of-state students.
- A personal statement describing the applicant's interest in graduate study, career goals, and the certificate's relationship to those goals.
- Three professional references with one reference from an individual who is knowledgeable of the applicant's nursing practice
- One year clinical experience as an RN
- A personal interview with a member of the graduate faculty

Applicants for the nurse midwifery post-master's certificate, in addition to the general admission criteria, must have one year RN experience (labor and delivery preferred).

Applicants for the nurse anesthesia post-master's certificate, in addition to the general admission criteria, must have one year adult critical care experience as a RN, completion of a supplemental nurse anesthesia admission packet, a total of five professional references (two on forms provided in the nurse anesthesia admissions packet) and an interview with Nurse Anesthesia Admissions Committee. Courses in physiology and chemistry/biochemistry within five years are highly recommended. Acceptable score on GRE within past 5 years (GRE required).

Applicants for the neonatal post-master's certificate, in addition to the general admission criteria, must have two years of current practice experience as a RN in a critical care environment for high-risk neonatal care.

Applicants for the adult-gerontology clinical nurse specialist post master's certificate, in addition to the general admission criteria, must have one year RN experience.

Applicants for the post-master's certificate options in adult nurse practitioner, adult-gerontology clinical nurse specialist, family nurse practitioner, neonatal nurse practitioner, and nurse midwifery must have had graduate level courses in pathophysiology (reproductive physiology is an additional requirement for nurse midwifery), health assessment and pharmacology within the past five years or approval by the concentration director; otherwise, students will be required to take these courses as part of the post-master's certificate requirement.

Neonatal Nurse Practitioner - 20-29 s.h.:

- NURS 6420 - Advanced Neonatal Nursing: Research and Theory I
- NURS 6421 - Advanced Neonatal Nursing Practicum I
- NURS 6422 - Advanced Neonatal Nursing: Research and Theory II
- NURS 6423 - Advanced Neonatal Nursing Practicum II
- NURS 6424 - Advanced Neonatal Nursing: Research and Theory III

- NURS 6425 - Advanced Neonatal Nursing Practicum III

Depending on student's needs and past education, additional course work from the following may be required:

- NURS 6417 - Development Physiology for Advanced Neonatal and Pediatric
- NURS 6418 - Health Assessment for Advanced Nursing Practice of Neonatal and Pediatric Patients
- NURS 6419 - Clinical Pharmacology for Advanced Neonatal and Pediatric Nursing Practice

http://catalog.ecu.edu/preview_program.php?catoid=3&poid=552

Nurse Anesthesia Certificate

Post MSN Certificate Programs

Eight post-MSN certificate options (adult-gerontology nurse practitioner, adult-gerontology clinical nurse specialist, family nurse practitioner, neonatal nurse practitioner, nurse-anesthesia, nurse midwifery, nursing leadership and nursing education) offer advanced practice education, qualifying those who complete the clinical options to take national certification exams. In addition, the nursing education post-master's certificate prepares nurses for beginning teaching roles in nursing education.

Admission Requirements

- A master's degree in nursing from an accredited program
- A current non-restricted license to practice as a registered nurse (RN) in North Carolina or an NCSBN compact state. Individual advisement will be necessary for licensure regulations for online out-of-state students.
- A personal statement describing the applicant's interest in graduate study, career goals, and the certificate's relationship to those goals.
- Three professional references with one reference from an individual who is knowledgeable of the applicant's nursing practice
- One year clinical experience as an RN
- A personal interview with a member of the graduate faculty

Applicants for the nurse midwifery post-master's certificate, in addition to the general admission criteria, must have one year RN experience (labor and delivery preferred).

Applicants for the nurse anesthesia post-master's certificate, in addition to the general admission criteria, must have one year adult critical care experience as a RN, completion of a supplemental nurse

anesthesia admission packet, a total of five professional references (two on forms provided in the nurse anesthesia admissions packet) and an interview with Nurse Anesthesia Admissions Committee. Courses in physiology and chemistry/biochemistry within five years are highly recommended. Acceptable score on GRE within past 5 years (GRE required).

Applicants for the neonatal post-master's certificate, in addition to the general admission criteria, must have two years of current practice experience as a RN in a critical care environment for high-risk neonatal care.

Applicants for the adult-gerontology clinical nurse specialist post master's certificate, in addition to the general admission criteria, must have one year RN experience.

Applicants for the post-master's certificate options in adult nurse practitioner, adult-gerontology clinical nurse specialist, family nurse practitioner, neonatal nurse practitioner, and nurse midwifery must have had graduate level courses in pathophysiology (reproductive physiology is an additional requirement for nurse midwifery), health assessment and pharmacology within the past five years or approval by the concentration director; otherwise, students will be required to take these courses as part of the post-master's certificate requirement.

Nurse Anesthesia - 56 s.h.:

- NURS 6610 - Health Assessment for Advanced Nursing Practice
- NURS 6805 - Advanced Pharmacology for Nurse Anesthesia I
- NURS 6806 - Advanced Pharmacology for Nurse Anesthetists II
- NURS 6810 - Human Physiology for Nurse Anesthetists
- NURS 6811 - Anesthesia Pharmacology
- NURS 6812 - Professional Aspects of Nurse Anesthesia
- NURS 6813 - Chemistry and Physics of Anesthesia
- NURS 6814 - Basic Principles of Nurse Anesthesia
- NURS 6815 - Advanced Principles of Nurse Anesthesia I
- NURS 6816 - Advanced Principles of Nurse Anesthesia II
- NURS 6817 - Clinical Correlations I
- NURS 6818 - Clinical Correlations II
- NURS 6819 - Clinical Practicum in Nurse Anesthesia I
- NURS 6820 - Clinical Practicum in Nurse Anesthesia II
- NURS 6821 - Clinical Practicum in Nurse Anesthesia III
- NURS 6822 - Clinical Practicum in Nurse Anesthesia IV
- NURS 6823 - Clinical Practicum in Nurse Anesthesia V
- NURS 6824 - Advanced Principles of Nurse Anesthesia III
- PTHE 7002

Nurse Midwifery Certificate

Post MSN Certificate Programs

Eight post-MSN certificate options (adult-gerontology nurse practitioner, adult-gerontology clinical nurse specialist, family nurse practitioner, neonatal nurse practitioner, nurse-anesthesia, nurse midwifery, nursing leadership and nursing education) offer advanced practice education, qualifying those who complete the clinical options to take national certification exams. In addition, the nursing education post-master's certificate prepares nurses for beginning teaching roles in nursing education.

Admission Requirements

- A master's degree in nursing from an accredited program
- A current non-restricted license to practice as a registered nurse (RN) in North Carolina or an NCSBN compact state. Individual advisement will be necessary for licensure regulations for online out-of-state students.
- A personal statement describing the applicant's interest in graduate study, career goals, and the certificate's relationship to those goals.
- Three professional references with one reference from an individual who is knowledgeable of the applicant's nursing practice
- One year clinical experience as an RN
- A personal interview with a member of the graduate faculty

Applicants for the nurse midwifery post-master's certificate, in addition to the general admission criteria, must have one year RN experience (labor and delivery preferred).

Applicants for the nurse anesthesia post-master's certificate, in addition to the general admission criteria, must have one year adult critical care experience as a RN, completion of a supplemental nurse anesthesia admission packet, a total of five professional references (two on forms provided in the nurse anesthesia admissions packet) and an interview with Nurse Anesthesia Admissions Committee. Courses in physiology and chemistry/biochemistry within five years are highly recommended. Acceptable score on GRE within past 5 years (GRE required).

Applicants for the neonatal post-master's certificate, in addition to the general admission criteria, must have two years of current practice experience as a RN in a critical care environment for high-risk neonatal care.

Applicants for the adult-gerontology clinical nurse specialist post master's certificate, in addition to the general admission criteria, must have one year RN experience.

Applicants for the post-master's certificate options in adult nurse practitioner, adult-gerontology clinical nurse specialist, family nurse practitioner, neonatal nurse practitioner, and nurse midwifery must have had graduate level courses in pathophysiology (reproductive physiology is an additional requirement for nurse midwifery), health assessment and pharmacology within the past five years or approval by the concentration director; otherwise, students will be required to take these courses as part of the post-master's certificate requirement.

Nurse Midwifery - 22-38 s.h. Post Master's Certificate:

- NURS 6109 - Introductory Nurse Midwifery Professional Roles and Issues
- NURS 6113 - Nurse-Midwifery Management: Antepartal Care
- NURS 6115 - Nurse-Midwifery Management: Intrapartal Care
- NURS 6116 - Nurse-Midwifery Management: Postpartal Care and Neonatal Care
- NURS 6117 - Nurse-Midwifery Management: Integration Practicum
- NURS 6118 - Integration of Nurse-Midwifery Professional Roles and Issues

Depending on student's needs and past education, additional course work from the following may be required:

- NURS 6050 - Human Physiology and Pathophysiology for Advanced Nursing Practice
- NURS 6110 - Reproductive Physiology
- NURS 6112 - Nurse-Midwifery Management: Well Women Care
- NURS 6119 - Nurse-Midwifery Management: Introduction to Primary Care for Well Women
- NURS 6610 - Health Assessment for Advanced Nursing Practice
- NURS 6611 - Clinical Pharmacology for Advanced Nursing Practice

http://catalog.ecu.edu/preview_program.php?catoid=3&poid=555

Nursing Education Certificate

Post MSN Certificate Programs

Eight post-MSN certificate options (adult-gerontology nurse practitioner, adult-gerontology clinical nurse specialist, family nurse practitioner, neonatal nurse practitioner, nurse-anesthesia, nurse midwifery, nursing leadership and nursing education) offer advanced practice education, qualifying those who complete the clinical options to take national certification exams. In addition, the nursing

education post-master's certificate prepares nurses for beginning teaching roles in nursing education.

Admission Requirements

- A master's degree in nursing from an accredited program
- A current non-restricted license to practice as a registered nurse (RN) in North Carolina or an NCSBN compact state. Individual advisement will be necessary for licensure regulations for online out-of-state students.
- A personal statement describing the applicant's interest in graduate study, career goals, and the certificate's relationship to those goals.
- Three professional references with one reference from an individual who is knowledgeable of the applicant's nursing practice
- One year clinical experience as an RN
- A personal interview with a member of the graduate faculty

Applicants for the nurse midwifery post-master's certificate, in addition to the general admission criteria, must have one year RN experience (labor and delivery preferred).

Applicants for the nurse anesthesia post-master's certificate, in addition to the general admission criteria, must have one year adult critical care experience as a RN, completion of a supplemental nurse anesthesia admission packet, a total of five professional references (two on forms provided in the nurse anesthesia admissions packet) and an interview with Nurse Anesthesia Admissions Committee. Courses in physiology and chemistry/biochemistry within five years are highly recommended. Acceptable score on GRE within past 5 years (GRE required).

Applicants for the neonatal post-master's certificate, in addition to the general admission criteria, must have two years of current practice experience as a RN in a critical care environment for high-risk neonatal care.

Applicants for the adult-gerontology clinical nurse specialist post master's certificate, in addition to the general admission criteria, must have one year RN experience.

Applicants for the post-master's certificate options in adult nurse practitioner, adult-gerontology clinical nurse specialist, family nurse practitioner, neonatal nurse practitioner, and nurse midwifery must have had graduate level courses in pathophysiology (reproductive physiology is an additional requirement for nurse midwifery), health assessment and pharmacology within the past five years or approval by the concentration director; otherwise, students will be required to take these courses as part of the post-master's certificate requirement.

Nursing Education - 12-15 s.h.:

- NURS 6903 - Curriculum Development in Nursing
- NURS 6904 - Educational Concepts, Theories, and Strategies in Nursing

- NURS 6905 - Nursing Education Role Practicum I
- NURS 6909 - Evaluation in Nursing Education

Depending on student's needs, past education, and teaching experience, additional course work from the following may be required:

- NURS 6908 - Nursing Education Role Practicum II

http://catalog.ecu.edu/preview_program.php?catoid=3&poid=553

Nursing Leadership Certificate

Post MSN Certificate Programs

Eight post-MSN certificate options (adult-gerontology nurse practitioner, adult-gerontology clinical nurse specialist, family nurse practitioner, neonatal nurse practitioner, nurse-anesthesia, nurse midwifery, nursing leadership and nursing education) offer advanced practice education, qualifying those who complete the clinical options to take national certification exams. In addition, the nursing education post-master's certificate prepares nurses for beginning teaching roles in nursing education.

Admission Requirements

- A master's degree in nursing from an accredited program
- A current non-restricted license to practice as a registered nurse (RN) in North Carolina or an NCSBN compact state. Individual advisement will be necessary for licensure regulations for online out-of-state students.
- A personal statement describing the applicant's interest in graduate study, career goals, and the certificate's relationship to those goals.
- Three professional references with one reference from an individual who is knowledgeable of the applicant's nursing practice
- One year clinical experience as an RN
- A personal interview with a member of the graduate faculty

Applicants for the nurse midwifery post-master's certificate, in addition to the general admission criteria, must have one year RN experience (labor and delivery preferred).

Applicants for the nurse anesthesia post-master's certificate, in addition to the general admission criteria, must have one year adult critical care experience as a RN, completion of a supplemental nurse

anesthesia admission packet, a total of five professional references (two on forms provided in the nurse anesthesia admissions packet) and an interview with Nurse Anesthesia Admissions Committee. Courses in physiology and chemistry/biochemistry within five years are highly recommended. Acceptable score on GRE within past 5 years (GRE required).

Applicants for the neonatal post-master's certificate, in addition to the general admission criteria, must have two years of current practice experience as a RN in a critical care environment for high-risk neonatal care.

Applicants for the adult-gerontology clinical nurse specialist post master's certificate, in addition to the general admission criteria, must have one year RN experience.

Applicants for the post-master's certificate options in adult nurse practitioner, adult-gerontology clinical nurse specialist, family nurse practitioner, neonatal nurse practitioner, and nurse midwifery must have had graduate level courses in pathophysiology (reproductive physiology is an additional requirement for nurse midwifery), health assessment and pharmacology within the past five years or approval by the concentration director; otherwise, students will be required to take these courses as part of the post-master's certificate requirement.

Nurse Leadership - 19-25 s.h.:

Acute Care Health Systems:

- NURS 6971 - Health Policy, Law, and Regulation
- NURS 6984 - Informatics for Advanced Nursing Practice
- NURS 6973 - Management of Human Resources and Professional Relationships in Health Systems
- NURS 6974 - Financial Management and Decision-making in Nursing Leadership *
- NURS 6977 - Nursing Leadership Practicum I **
- NURS 6983 - Administrative and Organizational Theory and Ethics: Applications in Nursing and Health Systems
- NURS 6985 - Management of Clinical Services Delivery and Outcomes
- NURS 6986 - Analytical Foundations of Nursing Leadership
- NURS 6987 - Budgeting and Decision Making in Healthcare **

Community Based Health Systems:

- NURS 6310 - Advanced Community Health Nursing I
- NURS 6311 - Advanced Community Health Nursing II
- NURS 6971 - Health Policy, Law, and Regulation
- NURS 6973 - Management of Human Resources and Professional Relationships in Health

Systems
- NURS 6974 - Financial Management and Decision-making in Nursing Leadership *
- NURS 6977 - Nursing Leadership Practicum I **
- NURS 6983 - Administrative and Organizational Theory and Ethics: Applications in Nursing and Health Systems
- NURS 6986 - Analytical Foundations of Nursing Leadership
- NURS 6987 - Budgeting and Decision Making in Healthcare **

Educational Health Systems:

- NURS 6903 - Curriculum Development in Nursing
- NURS 6904 - Educational Concepts, Theories, and Strategies in Nursing
- NURS 6909 - Evaluation in Nursing Education
- NURS 6973 - Management of Human Resources and Professional Relationships in Health Systems
- NURS 6974 - Financial Management and Decision-making in Nursing Leadership *
- NURS 6977 - Nursing Leadership Practicum I **
- NURS 6983 - Administrative and Organizational Theory and Ethics: Applications in Nursing and Health Systems
- NURS 6986 - Analytical Foundations of Nursing Leadership
- NURS 6987 - Budgeting and Decision Making in Healthcare **

Note:

*If less than two years leadership experience in the focus area NURS 6977 will be required.
**If less than 2 years of financial experience NURS 6987 will be required.

http://catalog.ecu.edu/preview_entity.php?catoid=3&ent_oid=211&returnto=192

NURS: Nursing

NURS 6959 - Clinical Nurse Specialist Theory and Role Development

3

P: NURS ~~6001 or NURS 6002~~ 6080 or 6081; NURS 6050 or NURS 6610 or NURS 6208 . Core competencies, essential characteristics, and the conceptual model guiding CNS practice.

NURS 6960 - Clinical Nurse Specialist Practicum I

3
P: NURS 6989 or consent of director of adult-gerontology clinical nurse specialist concentration. Applies CNS knowledge and skills to specialty clinical practice. Supervised on-site practicum by clinical preceptor.

NURS 6989 - Clinical Practice for the CNS Across the Adult Lifespan

3 Formerly NURS 6958
P: NURS 6959 or consent of director of adult-gerontology clinical nurse specialist concentration. Role of the CNS in adult through geriatric practice in various care settings.

V. College of Allied Health Sciences
Department of Communication Sciences and Disorders

http://catalog.ecu.edu/preview_program.php?catoid=3&poid=475

Doctoral Programs in Communication Sciences and Disorders

The doctoral programs are designed for advanced scholars with interest in communication sciences and disorders. Students may enroll in either the PhD program in speech-language pathology, audiology, or communication sciences or in the AuD degree program. Students enrolled are required to take course work in a science core, which may include computer applications to the fields, physiology, acoustics, or language science (speech-language pathology concentration), a support core taken across disciplines, a statistics core, and an area of concentration developed with the major professor in consultation with the program committee. Students are involved in research from the outset, and are expected to conduct research leading to empirical, methodological, and/or theoretical advances in their field of study. Following completion of didactic and preliminary research requirements, students are expected to conduct research that will be included in their dissertation and defended publicly.

Admission Requirements for the PhD:

Admission to study at the doctoral level requires acceptance by the Graduate School and the department. The application for admission to the Graduate School and official transcripts from each college or university attended must be sent to the Graduate School.

Applicants seeking admission to the doctoral program should have completed a well-integrated program of study that includes course work in biological/physical sciences and mathematics, behavioral and/or social sciences, and human communication sciences and disorders. Applicants are strongly encouraged to identify a major professor as part of the application process to assist with identification of student funding sources and faculty availability for mentoring.

1. Bachelor's or master's degree or its equivalent from an accredited institution in speech-language pathology, audiology, communication sciences or related area, with a minimum overall grade point average of 3.5 (on a scale of A=4.0).

2. Graduate Record Examination within five years. Recent applicants have had mean GRE scores of 150 for verbal, 150 for quantitative, and 4.5 for analytic writing. The GRE is waived as an entrance requirement for EC Scholars at East Carolina University if other criteria are met.

3. Three (3) letters of recommendation, at least two from faculty of the college(s) or university(s) previously attended.

4. A sample of scholarly writing which may be a thesis, a published or unpublished reprint, or term paper.

5. A statement that summarizes reasons for pursuing doctoral study and doctoral research objectives in as much detail as possible.

6. Telephone, online video chat, or face-to-face interview.

PhD Program: Degree Requirements

The research concentration requires a minimum 53 credits of didactic and research experiences beyond the master's degree or 95 credits beyond the bachelor's degree. The student will develop a background in a science core curriculum (12 hours, minimum), a support core taken across disciplines (9 hours, minimum), a statistics core (statistics and research design) (9 hours, minimum), research ethics (2 hours, minimum), research internships (6 hours, minimum), and dissertation (3 hours, minimum). The student and major professor in consultation with the Program Committee will select and design an area of major concentration that includes 12 s.h. of course work or independent studies.

Except for credits accepted by transfer, the Department of Communication Sciences and Disorders requires that all graduate work, including the dissertation, be completed in residence. The course of study ordinarily requires four years of full-time study.

Transfer Credit

Credit will be accepted for transfer at the discretion of the Department of Communication Sciences and Disorders and the Dean of the Graduate School. A maximum of 9 s.h. of doctoral credit (course work taken beyond the master's degree) may be applied toward the support and/or statistics cores.

Doctoral Candidacy Requirements

Following completion of most course work and prior to admission to candidacy for the PhD, students must pass a comprehensive examination intended to test fundamental knowledge in both the major and support fields. The candidate will undergo written and oral examinations. The student's Program Committee is responsible for the administration and evaluation of the comprehensive examination. The candidacy recommendation of the committee is sent to the Director of Doctoral Education who

forwards it to the Dean of the Graduate School.

The student's major professor and program Committee will determine the composition of the written examination. The written examination must be completed within one semester. The written examination may include (but is not limited to):

- Field-based questions
- Integrative paper
- In-house questions
- Grant proposal
- A combination of these or other written formats deemed appropriate by the major professor and Program Committee

The Program Committee members reviewing the responses will notify the major professor of their rating/evaluation of the responses within one week of the examination. The major professor will notify the Director of Doctoral Education in writing of all feedback from the Program Committee. The Committee member(s) submitting a particular question will evaluate that question only but may also read the student's other written responses.

Committee members will rate the responses as satisfactory or unsatisfactory. If the student receives unsatisfactory for any part of the written examination, the student must meet with the committee member to discuss areas of weakness prior to retaking those portion(s) of the exam. The student must re-write the unsatisfactory portion(s) of the comprehensive examination no less than one-month and not more than four months following the delivery of the unsatisfactory review. Failure to do so will result in termination of the student from the program.

The Committee member(s) who developed the question(s) will review the rewrite. Failure of the written examination question(s) a second time will result in termination of the student from the program.

Upon successful completion of the written examination, the oral defense will be scheduled.

The major professor and Program Committee members will judge the oral defense as satisfactory, satisfactory with deficiencies, or unsatisfactory. Receiving more than one unsatisfactory vote at the oral defense of the comprehensive examination will be considered a fail.

If the student is judged as Satisfactory with Deficiencies, then these deficiencies shall be described for the student and the processes for removing the deficiencies explained by the major professor and Program Committee at the conclusion of the defense.

Students judged as not passing may submit to another oral defense. The major professor and Program Committee will determine an appropriate remediation process for the student to complete prior to the second oral defense and will inform the Director of Doctoral Education of the remediation plan. The second oral defense will be scheduled not less than one month and not more than four months following the first oral defense.

Failure of the oral defense the second time will result in termination of the student's program.

Doctoral Dissertation

After passing the comprehensive examination, the candidate must initiate the development of an appropriate dissertation research project. The dissertation must reflect independent, scholarly research that will contribute to the candidate's area of concentration.

Prior to initiating the dissertation research, the candidate's Dissertation Committee must approve the prospectus of the proposed dissertation. The candidate formally presents the prospectus to the faculty of the Department of Communication Sciences and Disorders at an open meeting. The Dissertation Committee must agree that the research proposal is satisfactory, with no more than one dissenting vote allowed.

Upon the satisfactory completion of all requirements, the major professor, Dissertation Committee and Departmental Chairperson will recommend to the Dean of the Graduate School the award of the doctoral degree. Students are referred to the Graduate School website for dissertation formatting and electronic submission.

Program Enrichment

In addition to course requirements, each student may be assigned various preceptorships, involving mentored classroom and clinical instruction and administration to assist the student in gaining perspective and experience in university teaching, clinical supervision, and management. Students will be encouraged to participate in university-wide seminars. This enrichment may include being required to take a didactic course on teaching if the student is assigned to teach courses as a part of an assistantship or other contract.

First Year Research Project

Each student is required to complete a research project by the end of first year under the direction of his/her major professor. Successful completion of the research project requires (1) the student giving a formal presentation of the work at an open forum that includes students, faculty, and staff and (2) approval of the written document by his/her major professor and Program Committee. The student's major professor and Program Committee may have additional requirements the student needs to meet to successfully complete the first year project. The major professor and Program Committee will issue a grade of "satisfactory", "unsatisfactory with stipulations", or "fail". The recommendation of the committee is sent to the Director of Doctoral Education.

- Satisfactory indicates the student has successfully completed and defended the first year project.

- Unsatisfactory with stipulations indicates the student showed some weaknesses in one or more areas (written paper, oral presentation) and the Program Committee determines a remediation plan and timeline for completing required activities.

- Fail indicates the student's performance on the written and oral presentation was unsatisfactory. The major professor will summarize the committee's evaluation of the student's performance, recommend dismissal from the program, and submit it to the Director of Doctoral Education and the Department Chair.

Doctor of Audiology

The Department of Communication Sciences and Disorders at East Carolina University offers clinical doctorate in audiology. The program includes a core of clinical coursework and a core including clinical rotations and clinical residency. A capstone project is also required.

Admission

The Admissions Committee will make a holistic judgment of applicant qualifications. Admission to study at the doctoral level requires acceptance by the Graduate School and the department. The application for admission to the Graduate School and official transcripts from each college or university attended must be sent to the Dean of the Graduate School.

Applicants seeking admission to doctoral study should have completed a well-integrated program of study that includes course work in biological/physical sciences and mathematics, behavioral and/or social sciences, and human communication sciences and disorders.

Admission Requirements for the AuD:

1. Bachelor's or master's degree or its equivalent from a regionally accredited institution in speech-language pathology, audiology, communication sciences or related area, with a minimum overall grade point average of 3.5 (on a scale of A=4.0).

2. The following undergraduate course prerequisites are required: life sciences (6 s.h.), physical sciences (3 s.h.), behavioral sciences (6 s.h.), English (3 s.h.), mathematics (3 s.h.), statistics (3 s.h.), anatomy and physiology (3 s.h.), introduction to audiology (3 s.h.), speech and hearing sciences (3 s.h.), language development (3 s.h.). Other courses in communication sciences and disorders are strongly encouraged.

3. Graduate Record Examination within five years. Recent applicants have had mean GRE scores of 150 for verbal, 150 for quantitative, and 4.0 for analytic writing. The GRE is waived as an entrance requirement for EC Scholars at East Carolina University if other criteria are met.

4. ECU students accepted in the Early Assurance program are guaranteed entry upon completion of their undergraduate degree provided they satisfy program requirements.

5. Three (3) letters of recommendation, at least two from faculty of the college(s) or university(s) previously attended.

6. A statement that summarizes reasons for pursuing a clinical doctorate in audiology.

7. Telephone, online video chat, or face-to-face interview.

Baccalaureate admission: The post-baccalaureate AuD degree program consists of a minimum of 99 graduate credit hours to include broad-based knowledge in areas of applied clinical audiology, structure and development of hearing and communication disorders, speech and hearing sciences, statistics, computers and instrumentation, and research design.

Post-Master's admission: Students with a master's degree may seek admission to the AuD program. Admission decisions will be made on an individual basis with review of the educational background as well as the admissions requirements. Individuals seeking post-master's entrance will be required to complete the minimum 99 graduate semester hours. Those hours may include up to 20% of approved transfer graduate credit hours.

The AuD degree program includes the following minimum required credit hours: a science core curriculum (12 s.h.), a support core taken across disciplines (4 s.h.), a statistics core (5 s.h. in statistics and research design), clinical audiology course work (38 s.h.), clinical experience/residency (36 s.h.), and capstone (4 s.h.).

Examination: Following completion of the first year, the AuD students must pass the *Gateway* examination. The examination format is written. Faculty will rate the responses as satisfactory or unsatisfactory. Faculty will inform students of their performance on the examination within one-month of completing the exam. If the student receives unsatisfactory for any part of the Gateway Examination, the student must meet with the faculty to discuss areas of weakness prior to retaking those portion(s) of the exam. The student must re-write the unsatisfactory portion(s) of the comprehensive examination. Rewrites and final decisions are made prior to the start of the student's second year of the AuD program. Failure to do so will result in termination of the student from the program.

Clinical Residency: The clinical residency will be the final clinical placement in audiology that may range from half-time to full-time and that allows for the development of comprehensive clinical knowledge, skills and abilities.

Capstone Project: The capstone project is designed for the student to demonstrate his/her ability to analyze and synthesize clinical and research knowledge in audiology. The project will be a research project completed over multiple semesters**.**

Termination or Continuance of Graduate Study
Graduate School regulations for most academic issues are utilized and can be found at http://www.ecu.edu/cs-acad/grcat/regulations.cfm#acadprobation. For the purposes of retention in the Audiology degree program in CSDI, the Department has developed and adopted stricter standards than the Graduate School.

The ECU Graduate School requires a 3.0 GPA for retention and graduation. In addition, the Department of CSDI requires that students earn no less than a grade of "B" in more than 1 course during their degree program. This includes all departmental courses including didactic, clinical, or research taught by any delivery method.

Upon receipt of the second grade of less than a "B," a review of the student's academic and clinical progress will be conducted by the student's advisor, the Director of Doctoral Education, and the Department Chair. Recommendations for continuance or termination will be made to the Doctoral Education Committee for consideration. If the decision of the Doctoral Education Committee is for termination,

Upon the 3rd course with lower than a "B" grade, the Director of Doctoral Education shall notify in writing the student and the Graduate School that the student's degree program is terminated. The student can appeal this termination by writing a letter to the Director of Doctoral Education and asking the Doctoral Education Committee for reinstatement. The Director of Doctoral Education will convey the decision of the committee to the student and the Graduate School. If allowed to continue in the program, the student may not earn any additional credit hours of less than a "B" grade. If terminated at this point the student may appeal the decision through the ECU school Appeals procedure. (Rev. September 2011).

Time Limits for Completion of Degree Requirements

A doctoral degree program must be completed before the end of the twelfth semester, excluding summers, following initial enrollment. With endorsement of the student's Major professor and program committee and also the departmental chairperson, a student may request one extension of not more than two semesters, summers included.

**VI. Brody School of Medicine
Department of Public Health**

(no revisions to curriculum)

**VII. Brody School of Medicine
Department of Public Health**

http://catalog.ecu.edu/preview_entity.php?catoid=3&ent_oid=182&returnto=192

Lloyd F. Novick, Director, 600 Moye Blvd., Lakeside Annex 7 & 8

The master of public health (MPH) requires 45 s.h., comprising 39 s.h. of course work, a major professional paper, and an internship for students without sufficient previous professional experience in public health. The program is delivered through the Department of Public Health, Brody School of Medicine. Admissions is through the ECU Graduate School.

The curriculum is divided among the following components: 24 s.h. in core required courses: interdisciplinary rural health diagnosis and planning, fundamentals of environmental health, public health practice, ethics and law in public health, advanced public health practice, behavioral science and health education, a concentration-related research methods course, epidemiology, and biostatistics; 6 s.h. in applications (field placement, professional paper); and 15 s.h. in required courses and electives in one of two three specific concentrations: epidemiology, health administration, or health behavior or analysis and management. In addition to attaining basic public health competencies, MPH graduates must also attain concentration specific competencies. The field placement experience consists of 240 hours of service. The professional paper serves as a capstone, applied-learning experience. It will typically describe a public health action, intervention, or an increase in knowledge useful to public health practice that has resulted from

the student's internship experience, professional employment or research. For detailed information, see the Program Manual (www.ecu.edu/dph).

http://catalog.ecu.edu/preview_program.php?catoid=3&poid=464&returnto=187

Public Health, MPH

The master of public health requires a minimum of 45 s.h. as follows:
1. Core required courses – 24 -25 s.h.

MPH 6000 - Public Health Practice
MPH 6002 - Ethics and Law in Public Health
MPH 6010 - Fundamentals of Environmental Health or
EHST 6010 - Fundamentals of Environmental Health
MPH 6011 - Introduction to Epidemiology
MPH 6013 - Behavioral Sciences and Health Education or
HLTH 6013 - Behavioral Sciences and Health Education

MPH 6020 - Research Methods or
MPH 6702 - Epidemiologic Methods
MPH 6035 - Interdisciplinary Rural Health or NURS 6035 - Interdisciplinary Rural Health
BIOS 7021 - Biostatistics for Health Professionals I

2. Applications - 6 s.h.

MPH 6903 - Comprehensive Field Placement
MPH 6991 - MPH Professional Paper
MPH 6992 - MPH Professional Paper
or
MPH 6904 - Introduction to Field Placement
MPH 6905 - Applied Field Placement
MPH 6991 - MPH Professional Paper
MPH 6992 - MPH Professional Paper

3. Concentrations/Electives – 14- 15 s.h.

Chosen in consultation with advisor for concentrations, areas of emphasis, or joint degree programs.

Concentration in Epidemiology
BIOS 7022, MPH 6702, MPH 7202, and one of MPH 6021, MPH 6022, MPH 6023, or MPH 7205 are required. 3 s.h. of electives are selected by the student in consultation with his or her concentration advisor.

Concentration in Health Administration ~~Public Health Analysis and Management~~
MPH 6025, MPH 6040, MPH 6200, MPH 6700, MPH 6800, MPH 6810, MPH 7010 are offered. Any three listed may serve as concentration courses; any others may be 6 s.h. electives. Concentration and elective courses are selected in consultation with faculty advisor based on student's career plans, prior degree, previous coursework, or coursework in dual degree or certificate programs.

~~Any three may serve as concentration courses; Any two may be electives: . COHE 6100 , COHE 6300 , COHE 6310 , COHE 6600 ; HIMA 5060 ; MPH 6022 , MPH 6023 , MPH 6025 , MPH 6040 , MPH 6100 , MPH 6200 ; PADM 6160 , PADM 6161 , PADM 6162 , PADM 6400 . 6 s.h. of electives are selected by the student in consultation with his or her concentration advisor.~~

Concentration in Health Behavior
MPH 6027, MPH 6600, and MPH 6605 are required. Concentration courses and 6 s.h. of electives are selected by the student in consultation with his or her concentration advisor.

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MPH 6013 - Behavioral Sciences and Health Education
3 ~~Same as~~ ~~HLTH 6013~~
Introduces concepts of role of social factors in health and illness as well as health education/promotion. Overview of relationships between various social factors, with health outcomes. Includes theories and approaches of health education/promotion programs.

MPH 6700 - Health Economics
3
P: ECON 2113 or equivalent. Application of economic analysis tools to health decision-making at the individual-level and in health care and public health systems.

MPH 6702 - Epidemiology Methods
4
P: MPH 6011; P/C: BIOS 7022; or consent of instructor. Explores quantitative research methods, principles and techniques necessary for designing and implementing epidemiological research, including bias, confounding, effect modification, and steps in research process to assist planning MPH Professional Paper.

MPH 6800 - Health Policy and Politics
3
Examines the health policy formation context as a component of the environment of public health administration and practice and roles of public health and healthcare professionals.

MPH 6810 - Strategic and Financial Management of Healthcare Organizations

3
Provides a framework for understanding strategic and financial management of healthcare organizations.

MPH 7010 - Human Resource Management and Leadership for Health Administration
3
P: Consent of academic advisor. Provides the essential knowledge and skills for management of human resources in a health services organization and a foundation in leadership theory, skills and applications.

MPH 7031 - Topics in Public Health
1
P: Consent of instructor. Readings and discussion related to contemporary issues and emerging topics in public health.

MPH 7200 - Principles of Public Health Surveillance
3
P: BIOS 7021, MPH 6011; or consent of instructor. Public health surveillance as a fundamental epidemiologic activity applied to infectious and non-infectious conditions affecting human populations.

VIII. College of Health and Human Performance
Department of Health Education and Promotion

http://catalog.ecu.edu/preview_program.php?catoid=3&poid=528&returnto=186

Environmental Health, MSEH

The master of science in environmental health requires completion of a minimum of ~~34~~ 35 s.h. A student ~~having no prior environmental health experience must take EHST 6010 (3 s.h.) and EHST 6980 (3 s.h.) in addition to the 34 s.h. minimum~~ with less than 30 undergraduate s.h. in the natural sciences may be admitted with the approval of the environmental health sciences faculty and may be required to complete additional science coursework. All students must pass a written, comprehensive examination~~.~~ typically completed during the student's last semester prior to graduation.

Environmental health offers two degree paths:

Research Option: Students must complete and submit a thesis ~~and also must take at least 4 s.h. of approved laboratory credit~~ to both the Thesis Committee and the ECU Graduate School for review. The thesis option may require more intensive and/or additional hands-on data collection and typically requires students to complete more face-to-face courses. ~~A student may not count more than 15 s.h. from 5000-level courses or take more than 15 s.h. through online courses.~~

Applied Option: This option is intended ~~only~~ for ~~Registered Sanitarians and Registered Environmental Health Specialists.~~ students with previous education and/or experience in environmental health or a closely related discipline. Permission to choose this option must be obtained from the environmental

health sciences program faculty. Students must complete and submit a professional paper to their Professional Paper Committee for review. This degree option may be completed entirely online with the approval of the environmental health sciences program faculty. and may not count more than 15 s.h. from 5000 level courses.

1. Research Option Courses - 13 s.h.Required core courses for Research and Applied options – 26 s.h.

    HLTH 6011 - Introduction to Epidemiology
    or
    MPH 6011 - Introduction to Epidemiology
    BIOS 5010 - Epidemiology for Health Professional
    BIOS 7021 - Biostatistics for Health Professionals I
    EHST 5001 - Seminar in Environmental Health
    EHST 5010 - Principles of Toxicology
    EHST 5011 - Principles of Toxicology Laboratory
    EHST 6010 - Fundamentals of Environmental Health
    or
    MPH 6010 - Fundamentals of Environmental Health
    EHST 6210 - Topics in Environmental Health and Safety
    EHST 6220 - Topics in Environmental Health and Safety
    EHST 6230 - Topics in Environmental Health and Safety
    EHST 6800 Environmental Health Program Management
    MPH 6020 - Research Methods
    EHST 7000 – Thesis
    or
    EHST 6990 - Professional Paper

Note:

All students write and orally defend a thesis or professional paper. The thesis proposal and thesis research or professional paper option proposal and thesis or professional paper itself must be approved by the student's advisor and a committee. The research and applied option committees must be comprised of at minimum of least 3 graduate faculty three members, 2 two of whom must be environmental health sciences graduate faculty, and one of whom must be external to the environmental health sciences program. 1 reviewer from outside the department.

  Applied Option Courses - 13 s.h.

  HLTH 6011 - Introduction to Epidemiology or
  MPH 6011 - Introduction to Epidemiology or
  BIOS 5010 - Epidemiology for Health Professionals
  BIOS 7021 - Biostatistics for Health Professionals I
  EHST 5001 - Seminar in Environmental Health
  EHST 6800 - Environmental Health Program Management
  EHST 6990 - Environmental Health Professional Paper

Note:

All students write and orally defend a professional paper that reflects an applied learning experience leading to an environmental health action, intervention, or increased knowledge in the field. Paper may take many forms but summarizes a project selected by student and defended before student's committee comprised of at least 3 faculty members, 2 of whom must be environmental health sciences faculty, and 1 reviewer from outside the program.

2. Additional Environmental Health/Related Courses – at least 21 s.h. a minimum of 9 additional s.h. required. One elective course must be completed in the competency area of the "Natural Sciences"* (see examples below).

Course selection (including alternate selections) in consultation with the student's advisor.

BIOS 5010 - Epidemiology for Health Professional
EHST 5010 - Principles of Toxicology and Laboratory
EHST 5011 - Principles of Toxicology and Laboratory
EHST 5020 - Environmental Toxicology
EHST 5164 - Radiological Health Field Operation
EHST 5165 - Advanced Radiological Laboratory
EHST 5800 - Solid and Hazardous Waste Management* and Laboratory
EHST 5801 - Solid and Hazardous Waste Management and Laboratory*
EHST 6100 - Elements in Environmental Engineering
EHST 6201 - Individual Studies
EHST 6202 - Individual Studies
EHST 6203 - Individual Studies
EHST 6210 - Topics in Environmental Health and Safety
EHST 6220 - Topics in Environmental Health and Safety
EHST 6230 - Topics in Environmental Health and Safety
EHST 6300 - Public Health Pests and Vector Borne Disease*
EHST 6301 - Public Health Pests and Vector Borne Disease Laboratory*
EHST 6400 - Technical Advances in Water Supply and Waste Treatment*
EHST 6420 - Sanitary Microbiology and Safety of Foods*
EHST 6520 - Biological and Chemical Environmental Health and Safety*
EHST 6530 - Physical and Radiation Environmental Health and Safety*
EHST 6600 - Air Quality Control Methods and Devices*
EHST 6700 - Industrial Hygiene Application
EHST 6701 - Industrial Hygiene Application Laboratory
EHST 6710 - Ventilation and Indoor Air Quality and Laboratory
EHST 6800 - Environmental Health Program Management
GEOL 5710 - Ground Water Hydrology*
GEOL 5711 - Ground Water Hydrology*
MPH 6020 - Research Methods
PLAN 6301 - GIS and CAD Application for Planning