

University of Cincinnati's renewal application to operate
as an out-of-state institution in Maryland in accordance
with COMAR 13B.02.01.08B

MAR 25 2015 OOS RENEWAL

MARYLAND HIGHER EDUCATION COMMISSION
Application for Renewal Approval for Out-of-State Degree-Granting
Institutions to Operate in Maryland

Please Note: A separate application form must be completed and submitted with all supporting documentation for each proposed location in Maryland. If an additional, new location is being proposed, an Application for Renewal of Approval must be submitted for that location.

PREVIOUSLY APPROVED LOCATION IN MARYLAND.

Please provide the complete mailing address.

PROPOSED START DATE OF CONTINUED OPERATION. 8/31/2015

Applications should be submitted at least 5 months prior to the proposed start date.

NAME AND ADDRESS OF INSTITUTION APPLYING FOR APPROVAL.

Name of Institution: University of Cincinnati

Web Address: www.uc.edu

OPEID Code: 00312500

U.S. Department of Education, Office of Postsecondary Education, ID Code -- Title IV eligibility.

Chief Executives Officer: Santa J. Ono, President

Mailing Address: 2600 Clifton Avenue
Room 625, University Pavilion
Cincinnati, Ohio 45221-0063

Telephone: 513-556-4335

Email: Santa.Ono@uc.edu

Institutional Liaison: Name and title of the individual who will serve as liaison to the Maryland Higher Education Commission:

Name: Melody Clark, Ed.D.

Title: Academic Director, Distance Learning

Mailing Address: 400 University Hall, Suite 400F
Cincinnati, Ohio 45221-0658

Telephone: 513-556-9154

Email: Melody.Clark@uc.edu

***** CERTIFICATION *****

I hereby affirm that the answers given in this application and its attachments are accurate and complete and further agree to comply with the *Annotated Code of Maryland* and State regulations governing the operation of out-of-State degree-granting institutions (COMAR 13B.02.01).

3/19/15 Date Signature of Chief Executive Officer

Please Submit All Information To:

Maryland Higher Education Commission
Division of Planning and Academic Affairs
6 N. Liberty Street, 10th Floor
Baltimore, MD 21201
410-767-3268
acadprop@mhec.state.md.us

A copy of these regulations can be found at the Maryland Higher Education Commission's web site www.mhec.state.md.us (under Academic Approval Process) along with an on-line application form.

I. DURATION OF APPROVAL

Approval to operate at a previously approved location in Maryland must be renewed annually. However, "during of after the fifth year of operation in Maryland and during any subsequent renewal cycle, an out-of-State institution may apply for approval to operate in Maryland for an extended period of time up to 5 years." COMAR 13B.02.01.08C(1)

If the location for which you are applying has been annually approved for at least five years, do you wish to seek approval to operate in the State for an extended period of time of up to 5 years?

Yes, we wish to be approved for years.

II. SUPPORTING DOCUMENTATION

Only a complete application can be acted upon. While separate application forms must be completed and submitted for each approved location, the following Supporting Documentation needs to be included only once for each entire package of applications. CHECK EACH ITEM AS ATTACHED.

Catalogs and Other Institutional Publications. COMAR 13B.02.01.20A(1)

Have your catalogs, other institutional publications, or awards changed since they were last submitted? Yes No If yes, please submit new copies.

Application Fee. (Must accompany all renewals) COMAR 13B.02.01.08B(2)

The institution shall submit a non-refundable application fee in the amount of (a) \$7,500 for up to two degree programs and (b) an additional \$850 for each degree program over two programs. The

institution's check should be made payable to: Maryland Higher Education Commission. The application renewal fee will be waived for renewals of out-of-state institutions operating at Regional Maryland Higher Education Center.

- Accreditation. (Must accompany all renewals) COMAR 13B.02.01.08B(4)(g)

Provide a copy of the most recent letter of approval (notification) from an organization recognized as an accrediting agency by the U.S. Department of Education. Along with your most recent notification of institutional accreditation, please provide evidence that you are in compliance with that organization's policies and procedures related to off-campus educational activities. If any of your proposed programs require program accreditation provide evidence of that accreditation.

- Registration as an Out-of-State Corporation. (Must accompany all renewals)
COMAR 13B.02.01.08B(4)(f)

To transact interstate business in Maryland, the institution must qualify with the State Department of Assessments and Taxation by making the certification required in the Corporations and Associations Article, §7-202, Annotated Code of Maryland. A public institution is not required to qualify as a foreign corporation. However, a business entity affiliated with a public institution or a private institution (profit or non-profit) must qualify as a foreign corporation. The Foreign Corporation Qualification Form may be obtained from the Maryland Department of Assessments and Taxation, Room 809, 301 West Preston Street, Baltimore, Maryland 21201 or on-line at: www.dat.state.md.us. Once qualified, the institution must provide a copy of the certificate of good standing issued by the State Department of Assessments and Taxation.

- Certificate of Compliance With Fire and Safety Codes (Must accompany all renewals)
COMAR 13B.02.01.08B(4)(o)

Please provide a certificate for each approved location for indicating that the proposed facility has been inspected and is found in compliance with local and State ordinances pertaining to fire and safety.

- Board of Trustees Resolution of Financial Solvency (Must accompany all renewals)
COMAR 13B.02.01.08B(4)(e)

Please provide a resolution from your Board of Trustees addressed to the Secretary of Higher Education stating that your institution is financially solvent.

- Advertisements COMAR 13B.02.01.07D(3)(p)

Are there new advertisements in print format related to your programs in Maryland?

- Yes No **If yes, please provide copies of the new advertisements.**

- Enrollment Data as Prescribed by the Secretary. (Must accompany all renewals)
COMAR 13B.02.01.08B(4)(q)

Please provide the information requested on the Student Enrollment Data Form found at the end of this application.

- Teach-out Plan (Must accompany all renewals) COMAR 13B.02.01.08B(4)(j)(iv)

The institution must provide a copy of its teach-out plan allowing enrolled students to complete their programs if the institution decides to cease operation in Maryland.

II. APPLICATION QUESTIONNAIRE

This questionnaire, properly completed with supporting documentation, shall serve as an application for approval to operate in Maryland under the *Code of Maryland Regulations* (COMAR) 13B.02.01. It must be completed for each proposed location.

1. Programs.

➤ CURRENTLY OFFERED PROGRAMS.

INSTRUCTIONS. Please enter the requested information on your **CURRENTLY OFFERED PROGRAMS** in the spaces provided below, or create an attachment (labeled "A-1: Current Programs") to this application with the required information.

(a) Provide a list of your currently offered programs at this location. For each program provide the following information: (1) the full title of the program; (2) the degree or certificate to be awarded; (3) the mode of instructional delivery; (4) the number of credit hours (semester or quarter); and (5) whether they are offered at the parent campus.

Program Title	Degree	Mode of Instruction	Total Credit Hours	Offered on Main Campus Yes / No
<i>Example: Organizational Management</i>	<i>M.S.</i>	<i>Classroom</i>	<i>36 sem</i>	<i>Yes</i>
<i>Example: Business Administration</i>	<i>B.S.B</i>	<i>Distance Ed.</i>	<i>120 sem</i>	<i>Yes</i>
Medical Laboratory Science	B.S.	Distance Ed.	60	Yes
Nursing (Specialities listed below)	MSN	Distance Ed.	Varies	Yes
Adult-Gero Clinical Nurse Specialist			45	
Adult-Gero Primary Care Nurse Specialist			45	
Family Nurse Practitioner			48	
Nurse Midwifery			58	
Psychiatric Nurse Practitioner			49	
Women's Health Nursing			49	
Psychiatric Mental Health Nurse Practitioner	Post-Masters Grad Cert.	Distance Ed.	20	No
Nursing Education	Grad Cert	Distance Ed	12	No

➤ NEW PROGRAMS

INSTRUCTIONS. Is the institution proposing any new programs at this location? Yes No
If yes, please enter the requested information in the spaces provided below, or create an attachment (labeled "A-1: New Programs") to this information with your responses to the following for each new program:

(a) Provide a list of the new programs at this location. For each new program provide the following information: (1) the full title of the program; (2) the degree or certificate to be awarded; (3) the mode of instructional delivery; (4) the number of credit hours (semester or quarter); and (5) whether they are offered at the parent campus.

Program Title	Degree	Mode of Instruction	Total Credit Hours	Offered on Main Campus Yes / No
<i>Example: Organizational Management</i>	<i>M.S.</i>	<i>Classroom</i>	<i>36 sem</i>	<i>Yes</i>
<i>Example: Business Administration</i>	<i>B.S.B</i>	<i>Distance Ed.</i>	<i>120 sem</i>	<i>Yes</i>

(b) If the information does not appear in the catalog or publication you submitted provide (1) a description of the curriculum; (2) the objectives of each course; and (3) a course schedule for the proposed location

(c) Please provide a brief description of the student population to be served by the proposed new programs.

2. Educational Need. Before the Commission may evaluate the readiness of an out-of-State institution to operate or award new degrees in the State, including the offering of an instructional program or a degree level not previously approved, the institution shall present evidence demonstrating the educational need to establish operations, offer programs, and award the degrees in question in the State. In addition, the out-of-State institution shall demonstrate that the proposed program, for which the institution is making application, meets a critical and compelling regional or Statewide need and is consistent with the Maryland Postsecondary Education. COMAR 13B.02.01.06A&C

INSTRUCTIONS: Please enter the requested information in the spaces provided below, or create an attachment (labeled "A-2: Educational Need") to this application and respond to the following questions for each new program:

(a) What critical and compelling Regional or Statewide (Maryland) need and demand do your proposed programs meet? In responding to this question provide documentation as indicated below:

(1) If the programs serve occupational needs, present data projecting market demand and the availability of openings in the job market to be served by the new programs for which the institution is making application. This information may include workforce and employment projections prepared by the federal and State governments, the availability of graduates in the State or region, marketing studies done by the institution or others, and material from professional and trade associations.

(2) If the programs serve societal needs (include the traditional liberal arts education), provide a Description of how the proposed programs will enhance higher education in Maryland and contribute society

(b) If similar programs exist in the State, what are the similarities or differences in your program in terms of the degrees to be awarded, the areas of specialization, and the specific academic content of the programs?

(c) Is a Maryland employer sponsoring/supporting the application for the program(s) to be offered at this location?

Yes No

If yes, please attach a letter of support from the employer addressed to the Assistant Secretary, Planning and Academic Affairs. The letter should outline the employer's reasons for selecting the institution and its programs and state the benefits to the employees who participate in the program

3. Administrative Staff. The out-of-State institution shall provide for an on-site administrative staff responsible for overall administrative operation of educational activities including counseling, advising, testing orientation, financial aid services, and maintenance of academic records. In addition to being responsible for the administration of the policies and procedures of the parent institution, the designated administrators are responsible for meeting the expectations set forth in this chapter [of the Regulatory Standards of the State of Maryland for Out-of-State Institutions]. The duties and size of the staff shall be adequate for the size of the educational activities offered. COMAR 13B.02.01.15

INSTRUCTIONS: Has any previously reported Administrative Staff information changed since your last approval at this location? Yes No

If yes, please enter the requested information in the spaces provided below, or create an attachment labeled (labeled "A-3: Administrative Staff Changes") to this application with any changes to the following questions:

(a) How are you planning to meet the above standard on Administrative Staff?

(b) Who will be assigned to carry-out each of these duties? Please include a curriculum vitae/resume for each administrator.

4. Faculty

INSTRUCTIONS: Has any previously reported Faculty information changed since your last approval at this location? Yes No

If yes, please enter the requested information in the spaces provided below, or create an attachment labeled (labeled "A-4: Faculty Changes") with any changes to the following questions:

(a) List all faculty that are to teach in the first year (or cycle) of the programs at this location. For each faculty member provide the following information: COMAR 13B.02.01.08(4)(m)

- (1) the course(s) the faculty might soon teach;
- (2) the degrees the individual holds
- (3) the degrees areas of specialization; and
- (4) whether or not the faculty member is full-time or part-time (adjunct) at your parent institution

A list of faculty, courses taught, degrees earned including specialization and employment status is attached as Exhibit A-4.

(b) Please include a curriculum vitae/resume for each potential faculty member. For those faculty who are yet to be hired include a job description and minimal qualifications.

5. Library Resources. Out-of-State Institutions offering programs or courses, or both, in Maryland, shall provide adequate and appropriate library resources within State boundaries and within reasonable distance of the instructional site. Usage statistics shall be kept to determine to what extent these resources are available and accessible. COMAR 13B.02.01.17A

INSTRUCTIONS: Has any previously reported library information changed since your last approval at this location? Yes No

If yes, please enter the requested information in the spaces provided below, or create an attachment (labeled "A-5: Library Changes") to this application with any changes to the following questions.

(a) How are you planning to meet this standard on Library Resources? Briefly describe the types of materials and titles that you will make available to your students and how they will access them. Will there be provision for bibliographic instruction and/or library orientation?

6. Student Services. COMAR 13B.02.01.18 concerns student services and activities. These shall realistically reflect the stated objectives, purposes, and philosophy of the out-of-State institution. Further, an out-of-State institution shall ensure that all students have access to a well developed program of counseling, testing, advisement, orientation, financial aid, career development, and placement. The institution may determine the specific organization of services, as well as the resources and staffing provided, as long as provision for these services are made. Student activities that complement the

instructional program are particularly encouraged. COMAR Section .18 also requires that the out-of-State institutions keep complete and accurate records of admission, enrollment, grades, scholarships, transfer of credits, transcripts, graduates, and other essentials in accordance with standard practice. This includes the physical security and confidentiality of such records. The Section requires as well, a published statement of student rights, privileges, and responsibilities and the school's adherence to its student grievance procedures.

INSTRUCTIONS: Has any previously reported Student Services information changed since your last approval at this location? Yes No

If yes, please enter the requested information in the spaces provided below, or create an attachment (labeled "A-6: Student Services") to this application with any changes to the following questions.

(a) How do you plan to implement the requirements for Student Services cited above?

(b) Regarding student records describe the security measures the institution takes to ensure the confidentiality, physical, and electronic security of your record-keeping system.

(c) Does the institution have a published statement of rights, privileges, and responsibilities of students?
 Yes No How will it make this available to its students at the proposed instructional site? _____
If this statement is in the Catalog you submitted with the application, please indicate the page number: _____
If not in the Catalog you submitted, please provide us with a copy of the statement.

(d) Does the institution have a published student grievance procedure? Yes No If this procedure is in the Catalog you submitted with the application, please indicate the page number _____. If not in the Catalog you submitted, please provide us with a copy of the grievance procedure.

7. **Facilities.** (See COMAR 13B.02.01.19).

INSTRUCTIONS: Has any previously reported Student Services information changed since your last approval at this location? Yes No

If yes to either question, please enter the requested information in the spaces provided below, or create an attachment (labeled "A-7: Facilities") to this application with any changes to the following questions.

(a) Has a specific facility been inspected and approved for use as a classroom/laboratory space and been found in compliance with local and State ordinance pertaining to fire and safety? Yes No

(1) If yes, please provide a copy of the Certificate of Compliance.

(2) If no, the Certificate of Compliance must be submitted at least 30 days prior to the start of classes.

(b) Describe any special instructional facilities and equipment (computers, audio-visual equipment, etc.) that will be used and available to students in this location.

(c) Describe what provisions are being made for periodic repair and maintenance of buildings and grounds. What measures are being taken for campus security and fire protection? If dangerous or toxic materials are being handled, what provisions are being made for safe storage, handling and disposal?

(d) Describe the office (and conference) space available to full and part-time faculty and administrators.

8. Distance Education. “Distance education” means course work for academic credit delivered by telecommunicated instruction to a physical space specifically reserved for the purpose of receiving the instruction, for example, a teleclassroom, and requires the payment of tuition or fees for the instruction. “Distance education” does not include telecommunicated instruction at the student’s initiation via an individual personal computer. COMAR 13B.02.01.03(8). An institution operating in Maryland and delivering instruction in Maryland by distance education shall provide evidence to the Secretary of compliance with the standards of good practice found in COMAR 13B.02.01.21.

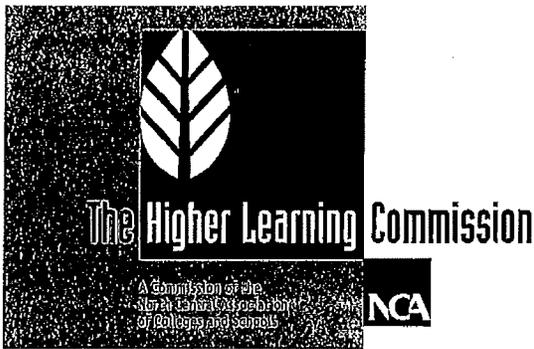
INSTRUCTIONS. Is the institution providing distance education as defined above? Yes No
If yes, please contact the staff at the Maryland Higher Education Commission for a copy of the Standards of Good Practice and provide evidence of compliance as an attachment (labeled “A-8: Distance Education”) to this application

A-4: Faculty Changes

University of Cincinnati
A-4: Faculty Changes

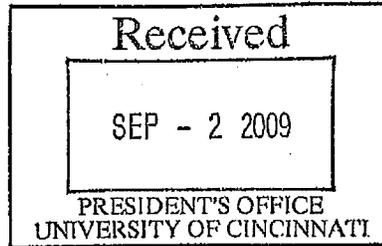
Last Name	First Name	Status (F/T or P/T)	New	Degree Level of Course	Course Prefix and No.	Highest Degree Earned	YEAR/ Institution Name	Degree Concentration	Degree #2/YEAR/ Institution Name	Degree #3/YEAR/ Institution Name
Labbe	Paul	PT	Y	Bachelor	MLSC3051 Laboratory Operations	MS	1981, University of Dayton	Management and Education	BS, 1975, Biology & Chemistry, Xavier University	Nuclear Medicine, 1976, Miami Valley Hospital
Villanueva	Joyce	PT	Y	Bachelor	MLSC3053 Clinical Immunology	MBA	2009, Indiana Wesleyan University	Health Care Management	BS, 1972, Medical Technology, Morehead State University	
Wilkinson	Susan	PT	Y	Bachelor	MLSC4062 Principles of Immunohematology, MLSC4063 Advanced Immunohematology	EdD	1990, University of Cincinnati	Curriculum & Instruction	MS, 1974, University of Cincinnati, Transfusion Medicine	BS (Zoology), 1970, Ohio University

Accreditation



30 North LaSalle Street, Suite 2400 | Chicago, IL 60602 | 312-263-0456
800-621-7440 | Fax: 312-263-7462 | www.ncahlc.org

Serving the common good by assuring and advancing the quality of higher learning



August 28, 2009

President Nancy L. Zimpher
University of Cincinnati
P.O. Box 210063
Cincinnati, OH 45221-0063

Dear President Zimpher:

This letter is formal notification of the action taken concerning University of Cincinnati by The Higher Learning Commission. At its meeting on August 17, 2009, the Institutional Actions Council (IAC) voted to continue the accreditation of University of Cincinnati and to adopt any new items entered on the attached Statement of Affiliation Status (SAS). The Commission Board of Trustees validated the IAC action through its validation process concluded on August 28, 2009. The date on this letter constitutes the effective date of your new status with the Commission.

I have enclosed your institution's *Statement of Affiliation Status (SAS)* and *Organizational Profile (OP)*. The *SAS* is a summary of your organization's ongoing relationship with the Commission. The *OP* is generated from data you provided in your most recent (2008-09) Annual Institutional Data Update. If the current Commission action included changes to the demographic, site, or distance education information you reported in your Annual Institutional Data Update, we have made the changes on the *Organizational Profile*. No other organizational information was changed.

The attached *Statement of Affiliation Status* and *Organizational Profile* will be posted to the Commission website on Monday, September 14. Before this public disclosure however, I ask that you verify the information in both documents and inform Mary B. Breslin, your staff liaison, before Friday, September 11 of any concerns that you may have about these documents. Information about notifying the public of this action is found in Chapter 8.3-3 and 8.3-4 of the *Handbook of Accreditation, Third Edition*.

Please be aware of Commission policy on planned or proposed organizational changes that require Commission action before their initiation. You will find the Commission's change policy in Chapter 7.2 of the *Handbook of Accreditation*. I recommend that you review it with care and, if you have any questions about how planned institutional changes might affect your relationship with the Commission, that you write or call Mary B. Breslin.

On behalf of the Board of Trustees, I thank you and your associates for your cooperation.

Sincerely,

Sylvia Manning
President

Enclosures: Statement of Affiliation Status
Organizational Profile

cc: Evaluation Team Members
Chair of the Board



The Higher Learning Commission

30 North LaSalle Street, Suite 2400 | Chicago, Illinois 60602-2504 | 312-263-0456
800-621-7440 | FAX: 312-263-7462 | www.ncahigherlearningcommission.org

STATEMENT OF AFFILIATION STATUS

UNIVERSITY OF CINCINNATI
P.O. Box 210063
Cincinnati, OH 45221-0063

Affiliation Status: Candidate: Not Applicable
Accreditation: (1913-)

PEAQ PARTICIPANT

Nature of Organization

Legal Status:

Public

Degrees Awarded:

A, B, M, S, D, 1st Prof

Conditions of Affiliation:

Stipulations on Affiliation Status:

None.

Approval of New Degree Sites:

Prior Commission approval required.

Approval of Distance Education Degrees:

No prior Commission approval required.

Reports Required:

None.

Other Visits Scheduled:

None.

Summary of Commission Review

Year of Last Comprehensive Evaluation:

2008 - 2009

Year for Next Comprehensive Evaluation:

2018 - 2019

Date of Last Action:

08/28/2009



ORGANIZATIONAL PROFILE

UNIVERSITY OF CINCINNATI
P.O. Box 210063
Cincinnati, OH 45221-0063

Enrollment Demographics (by headcount) (HLC Posted: 04/15/2009)

	<u>Full-Time</u>	<u>Part-Time</u>
Undergraduate:	17334	3580
Graduate:	3803	3521
Post-baccalaureate First Professional:	1356	23
Non-Credit headcount:	4082	

Educational Programs (HLC Posted: 04/15/2009)	<u>Program Distribution</u>	<u>Total Awarded</u>
Leading to Undergraduate degrees:	Associate	11
	Bachelors	100
Leading to Graduate degrees:	Masters	85
	Specialist	1
	First Professional	3
	Doctoral	67
Certificate Programs:	49	150

Dual Enrollment (HLC Posted: 04/15/2009)

Headcount in all dual enrollment (high school) 84

Off-Campus Activities (HLC Posted: 04/15/2009)

In-State:	Campuses:	Batavia (Clermont College) ; Blue Ash (Raymond Walters College)
	Sites:	None
	Course Locations:	None
Out-of-State:	Campuses:	None
	Sites:	None
	Course Locations:	None
Out-of-U.S.:	Campuses:	None
	Sites:	None
	Course Locations:	None

Distance Education Certificate and Degree (HLC Posted: 04/15/2009)

A.A.S. in Early Childhood Education	Internet
A.A.S. in Fire Science Technology	Internet
B.S. Completion in Special Education Sign Language	Internet
B.S. in Clinical Lab Science	Internet
B.S. in Early Childhood Education	Internet
B.S. in Fire Science Technology	Internet
B.S. in Health Information Management	Internet
Doctor of Pharmacy	Internet
Graduate Certificate in Medical Education	Internet
Graduate Certificate in Postsecondary Literacy Instruction	Internet



ORGANIZATIONAL PROFILE

UNIVERSITY OF CINCINNATI

P.O. Box 210063

Cincinnati, OH 45221-0063

M.A. in Communication Sciences & Disorders	Internet
M.Ed. in Curriculum & Instruction	Internet
M.Ed. in Education Leadership	Internet
M.S. in Criminal Justice	Internet
M.S. in Pharm Sciences/Cosmetic Sciences	Internet
M.S.N. in Nurse Midwifery	Internet
M.S.N. in Women's Health	Internet

Course descriptions

UNIVERSITY OF CINCINNATI

Program: Medical Laboratory Science, Bachelor of Science (Completion)
College: College of Allied Health Sciences
Accreditation: HLC/North Central Association of Colleges and Schools
National Accrediting Agency for Clinical Laboratory Sciences
(NAACLS)

Program Description

UC's online Bachelor of Science in Medical Laboratory Science program offers working professional clinical laboratory technicians (CLTs) and medical laboratory technicians (MLTs) the opportunity to learn and develop the skills needed for professional growth in a rigorous program with the convenience of online learning. Graduates will be eligible and well prepared for the Board of Certification (BOC) exam sponsored by the American Society for Clinical Pathology (ASCP) for the Medical Laboratory Scientist, MLS (ASCP) credential.

The Bachelor of Science in Medical Laboratory Science program is designed to complement the lifestyle of busy working professionals. Students will take 7 – 10 credits per semester and can graduate in just over two and one-third years.

Courses include didactic lecture and seminar formats, all of which are highly interactive through the use of tools such as discussion boards, assignments, virtual laboratory activities and online chats. Examinations are delivered online and major examinations are required to be proctored. These courses provide the students with didactic and theoretical knowledge that along with their previous experience and training in Clinical Laboratory Technology/Medical Laboratory Technology prepares them for their clinical practicum experience. All didactic courses are delivered entirely online.

Admission Requirements

Applications for admission are accepted three times annually. Eligible applicants to the University of Cincinnati Bachelor of Science in Medical Laboratory Science program must meet the following qualifications:

- Hold an AS degree from a NAACLS* accredited CLT/MLT program or equivalent coursework and ASCP* CLT/MLT certification
- Submit proof of certification
- Possess a minimum 2.5 GPA
- Complete a UC application
- Complete a program application
- Able to meet essential functions (submitted with application)
- Submit official transcripts from all schools attended
- Submit a letter of intent and resume
- Submit 3 professional letters of reference from supervisors, lab managers, or previous course faculty

See Following Link: <http://medlabscience.uc.edu/admissions/>

Online Courses & Descriptions (60 credit hours)

MLSC 3051 Laboratory Operations 2 Semester Hours

A study of the basic principles of clinical laboratory management, including theory and practice. Topics will include personnel and financial management, regulation and accreditation, information management, quality assurance, quality control, clinical and continuing education.

MLSC 3052 Special Topics in Medical Laboratory Science 2 Semester Hours

An objective look at the field of Medical Laboratory Science from its inception, and leading up to current and future technologies with an emphasis on current topics such as ethical and social concerns, governmental issues, professionalism and health care delivery.

MLSC 3053 Clinical Immunology 3 Semester Hours

This course is a focused study of clinical immunology. Physiology of the immune system, the immune response to infection and disease, pathophysiology of infectious disease and current diagnostic strategies and methods are covered. Emphasis is placed on diagnostic forms and clinical correlation of laboratory findings.

MLSC 3054 Clinical Fluid Analysis 2 Semester Hours (previously included in MLSC 4065)

A study of renal function and urinalysis procedures and body fluid examination.

MLSC 3055 Statistics 2 Semester Hours (not offered in semesters yet - previously MLSC 354)

This course will focus on the statistical principles that are pertinent to health care and to the clinical laboratory, as well as quality assurance.

MLSC 3056 Hemostasis 1 Semester Hour

A comprehensive study of the blood clotting system in normal and pathological states, which includes discussions regarding the correlation of test results with diseases

MLSC 4050 Diagnostic Molecular Biology 3 Semester Hours

A basic study of medical genetics including the structure, function, and synthesis of DNA, RNA, and involved proteins; the mechanism of inheritance; and medical genetics. The study of molecular biology techniques and their applications is included as well as the laboratory diagnosis of disease. Discussions on ethics and emerging technologies are also included.

MLSC 4057 Hematology 3 Semester Hours

A study of blood and blood cells in a normal state from development through senescence. Topics in this first course of a series of two include discussions on correlation of test results with the cells morphological appearance. The study of hemostasis is included, as well as a comprehensive study of the blood clotting system in normal and pathological states.

MLSC 4059 Special Microbiology 3 Semester Hours (previously included in MLSC 4064 – will be offered in 15SS as MLSC 4059)

The study of clinically relevant fungal, parasitic, and viral pathogens with an emphasis on diagnostic forms.

MLSC 4060 Clinical Microbiology 3 Semester Hours

A study of the microorganisms associated with human infectious processes. Discussions include the characteristics, isolation, identification, and clinical infections associated with pathogenic microorganisms.

MLSC 4061 Advanced Clinical Microbiology 3 Semester Hours

A continued study of the microorganisms associated with human infectious processes. Discussions include the characteristics, isolation, identification, and specialized antimicrobial techniques associated with pathogenic bacteria, as well as the role of the microbiology lab in the health care setting.

MLSC 4062 Principles of Immunohematology 3 Semester Hours

A study of the theory, principles, and procedures associated with transfusion medicine. Discussions cover routine procedures, blood donors, components, regulations, and quality assurance.

MLSC 4063 Advanced Immunohematology 4 Semester Hours

A more advanced study of the theory, principles, and procedures associated with transfusion medicine. Discussions cover specialized procedures, advanced applications and quality assurance.

MLSC 4065 Clinical Chemistry 3 Semester Hours

A study of serum and fluid chemistry in normal and pathological states and methods of analysis. Topics in this first course of a series of two include discussions on normal physiology as well as correlation of normal and abnormal human physiology as they relate to organ system function.

MLSC 4066 Advanced Clinical Chemistry 3 Semester Hours

A study of serum and fluid chemistry in normal and pathological states and methods of analysis. Topics in this second course of a series of two include discussions on normal physiology as well as correlation of normal and abnormal human physiology as they relate to organ system function. Advanced topics include critical analysis and interpretation of clinical chemistry data.

MLSC 4068 Advanced Hematology 4 Semester Hours

A study of the blood and blood cells in abnormal or malignant states. Topics in this second course of a series of two include discussions on normal and abnormal hematopoiesis and Red Blood Cell and White Blood Cell disorders as well as the correlation of test results with disease states and therapies. Advance topics include critical analysis and interpretation of hematological data and Platelet disorders.

Advanced Clinical Practice

MLSC 4069 Advanced Clinical Practice

6 Semester Hours

A clinical practicum experience that will focus on advanced, applied clinical laboratory techniques and concepts. The practicum experience will be individually designed for each student; the student will participate in identifying the practicum site. Included is a focused study of laboratory techniques and instrumentation as they apply to diagnosing disease.

MLSC 3963 Advanced Lab Concepts 2 Semester Hours

An advanced MLS course that focuses on advanced, applied clinical laboratory techniques, concepts, troubleshooting, and management level decisions and processes. Advanced interpretation, application and correlations in all laboratory areas are included. Principles of clinical laboratory management including quality assurance and quality control will be included.

Capstone Experience

MLSC 4058 Medical Laboratory Science Capstone

2 Semester Hours

A course in which students participate in a series of current topic seminars culminating in the development and presentation of a fundamental research project involving an aspect of state-of-the art clinical laboratory science practice. Under the direction of faculty, students prepare a written report and publicly present their findings.

MLSC 4071 Advanced Clinical Correlations

6 Semester Hours

This advanced course will focus on further development of critical thinking and problem solving skills in all of the laboratory disciplines, as well as integration of laboratory analyses, interpretation and application. Activities include discussions, case studies, interactive activities and assignments, focused reviews and examinations. Mastery of content will be assessed through a comprehensive examination.

Description of practicum, labs, or other facilities

MLSC 4069 Advanced Clinical Practice

Students complete a clinical practicum experience in the Advanced Clinical Practice course. The course has a maximum credit load of 6 semester hours. In order to ensure that students meet required entry level competencies, MLS DL students are required to complete hands-on clinical rotation training experiences in each area of the clinical laboratory. The clinical experiences are completed during the 6th semester. During the clinical rotation training experiences, students perform hands-on advanced clinical training tasks under the supervision of an on-site clinical preceptor. The MLS Clinical Coordinator and the student work together in identifying an appropriate clinical laboratory that will serve as a clinical training site. The student's workplace may be utilized as a clinical site, but student hours must be distinguished from employee hours, and under no circumstances may students be paid during their clinical experiences. Students may submit a Prior Learning Assessment/Life Experience Credit (LEC) evaluation packet to request clinical rotation credit(s) based upon prior work experience. Student applying for LEC

are required to be working at the expected level for an MLS holding a BS in the field as documented on the forms completed by the laboratory director.

Graduation Requirements

To graduate from the program, students must successfully complete 60 semester hours of required coursework (assuming they have entered the program with at least 60 hours from their AS degree program), with grades of C- or better, and have at least a 2.25 GPA.

Program Outline

<http://medlabscience.uc.edu/>

UNIVERSITY OF CINCINNATI

Program: Master of Science in Nursing
College: College of Nursing
Accreditation: Commission on Collegiate Nursing Education

Program Description

The Master of Science in Nursing (MSN) Distance Learning Option (DLO) offered through the University of Cincinnati College of Nursing (CoN) expands the reach of the MSN traditional degree offering to residents outside the greater Cincinnati community. The quality of instruction, paired with flexibility in the asynchronous content delivery model, reaches an expansive population of nursing professionals not able to attend traditional, face-to-face classes. The pedagogy embraced in distance learning instructional practices is conducive to all adult learners. The distance learning experience provides content exposure which mirrors that of the traditional setting; utilizing the expertise of many of the faculty who teach on campus. Distance students also share the benefit and access to the same campus resources (i.e. library services, technical support, academic advisement, etc.) from the comfort of their homes throughout the country.

The Master of Science in Nursing (MSN) degree prepares individuals for advanced nursing practice in several specialty areas. The distance learning specialty programs include: Adult-Gero Primary Care Nurse Practitioner (AGNP), Adult-Gero Clinical Nurse Specialist (AGCNS), Family Nurse Practitioner (FNP), Nurse-Midwifery (NMW), Nursing Administration (ADMIN), and Women's Health Nurse Practitioner (WHNP). The MSN program specialties are designed so that upon completion of programs of study, students meet the educational requirements to take specialty certification examinations for practitioners or clinical nurse specialists.

The MSN specialty programs consist of 42 to 58 semester credit hours, consisting of core, nurse practitioner and specialty course, in addition to 504 to 784 clinical hours depending on program. The programs can be either full-time or part-time. Each individual specialty program also has its own set of specialty courses to address specific competencies required for certification in that specialty, and to meet both didactic and clinical learning experiences recommended by the specialty nursing organizations, the National Organization of Nurse Practitioner Faculties (NONPF), the American Association of Colleges of Nursing (AACN), and the American Academy of Nurse Practitioners (AANP).

Online Courses & Descriptions:

Adult-Gero Primary Care Nurse Practitioner (44 Credit Hours):

NURS8002 Theoretical Basis of Clinical Reasoning **Credit Hours: 3**
This course examines the theoretical underpinnings of nursing practice, research, and evidence-based practice. Emphasis is placed on applying a range of theories from nursing and related fields when making clinical decisions.

NURS8004 Biostatistics for Evidence-based Practice **Credit Hours: 3**
The focus of this course is the understanding of biostatistics for application to nursing and evidence-based practice. Emphasis is placed on the interpretation and appraisal of data analyses for the selection and use of best evidence for making practical conclusions about empirical data. Pre Req: Matriculation into the graduate program major or by permission of instructor.

NURS8006 Research and Best Evidence for Clinical Reasoning **Credit Hours: 3**
This course builds on previous knowledge of research as the scientific basis for practice. Students examine approaches for the translation of the best available evidence into practice for improved outcomes in healthcare.

NURS8008 Healthcare Policy **Credit Hours: 3**
This course guides students in exploring political, economic, ethical, and social forces that currently impact decision making in health care. Patterns of influence that derive current policy development are examined and proposal of advocacy behaviors is encouraged.

NURS8020 Advanced Health Assessment **Credit Hours: 3**
This course provides opportunities for the advanced practice nurse student to develop the knowledge and skills necessary for the performance of comprehensive and focused health assessment. This course addresses clients across Master of Science in Nursing (Specializations)

the lifespan and the pediatric and family students receive additional pediatric information in their lab sessions. (3 lab hours per week.)

NURS8022 Advanced Physiology and Pathophysiology **Credit Hours: 4**

This course builds upon basic knowledge of human anatomy, physiology, and pathophysiology of disease across the life span. The emphasis is on applied physiology and pathophysiology to enable advanced practice nurses understand how and why the clinical manifestations of disease occur so that appropriate therapies can be selected.

NURS8024 Pharmacology for Advanced Nursing Practice **Credit Hours: 3**

This course prepares nurses for professional roles in advanced nursing practice with knowledge of pharmacokinetic and pharmacodynamic principles of common drug categories used to prevent illness, and to restore and maintain health for client systems across the life span. Mechanisms of action, pharmacologic response, usual doses, adverse effects, indications, interactions, compatibilities, contraindications and routes of administration are emphasized in acute and chronic conditions. Six hours of legal, ethical and financial content related to prescribing is addressed in this course as required by the Ohio Board of Nursing.

NURS8026 Differential Diagnosis for the APN **Credit Hours: 3**

The course focuses on the diagnostic reasoning process through analysis of present and past histories, physical findings and diagnostic studies that contribute to the formulation of differential diagnoses. An in-depth look at the clinical presentation from a symptom approach assists the student in the development of a diagnosis as well as the selection of the appropriate diagnostic testing. Advanced Health Assessment, Clinical Management I and II.

ANNP8030 Clinical Management of Adult Health Problems--Part I **Credit Hours: 3**

This is the first of two non-sequential courses which provides students with the theoretical foundation to assess, diagnose, and manage the care of client systems. Students focus on the promotion, maintenance and restoration of client health in collaboration/consultation with other members of the health care team. The role of the advanced practice nurse in developing a therapeutic relationship with the patient is used to demonstrate how culturally competent, age and gender specific, and risk stratified care can be provided. Non-pharmacologic and pharmacologic interventions are integrated throughout clinical management. Ethical considerations and role components in advanced nursing practice are addressed within the context of holistic nursing care. Analysis and critique of evidence-based practice serve as the basis for care management decision making. Systems covered include: Pulmonary, Cardiac, Neuro, Endocrine, Psychosocial, and Common Problems.

ANNP8032 Clinical Management of Adult Health Problems--Part II **Credit Hours: 3**

This is the second of two non-sequential courses which provides students with the theoretical foundation to assess, diagnose, and manage the care of client systems. Students focus on the promotion, maintenance and restoration of client health in collaboration/consultation with other members of the health care team. The role of the advanced practice nurse in developing a therapeutic relationship with the patient is used to demonstrate how culturally competent, age and gender specific, and risk stratified care can be provided. Non-pharmacologic and pharmacologic interventions are integrated throughout clinical management. Ethical considerations and role components in advanced nursing practice are addressed within the context of holistic nursing care. Analysis and critique of evidence-based practice serve as the basis for care management decision making. Systems covered include: Renal/GU/GYN, GI, Hematology/Oncology, Skin, EENT, and Musculoskeletal.

ANNP8040 ANP Practicum I **Credit Hours: 2**

This practicum is the first of three sequential clinical courses for the Adult Nurse Practitioner student. Students focus on history taking and physical examination while incorporating pharmacology and evidence-based practice. Screening guidelines across the population are evaluated. The student engages in beginning implementation of the roles inherent in advanced nursing practice. (112 clinical hours, approximately 8 hours per week.)

ANNP8042 ANP Practicum II **Credit Hours: 3**

This practicum is the second of three sequential clinical courses for the Adult Nurse Practitioner student. Students engage in comprehensive assessment, diagnosis and interventions incorporating pharmacology and evidence-based practice. Emphasis is on patient education as an intervention to improve outcomes. The student engages in the implementation of the roles inherent in advanced nursing practice. (168 clinical hours, approximately 12 hours per week.)

ANNP8044 ANP Practicum III**Credit Hours: 4**

This practicum is the third of three sequential clinical courses for the Adult Nurse Practitioner student. Students engage in comprehensive assessment, diagnosis, intervention, management, and evaluation of patient care situations incorporating pharmacology and evidence-based practice. Emphasis is placed on the performance of the many roles of the advanced practice nurse including collaboration as a peer on the multidisciplinary health care team. (224 clinical hours, approximately 16 hours per week.)

ANNP8050 ANP Seminar I**Credit Hours: 1**

This seminar is the first of three courses that prepares the student for professional roles in advanced nursing practice. It is taken in conjunction with the clinical Practicum I and provides an opportunity to discuss clinical cases. Emphasis is placed on screening guidelines, history & physical assessment, and the development of the Capstone.

ANNP8052 ANP Seminar II**Credit Hours: 1**

This seminar is the second of three courses that prepares the student for professional roles in advanced nursing practice. It is taken in conjunction with the clinical Practicum II and provides an opportunity to discuss clinical cases. Emphasis is placed on the development and evaluation of patient education tools and the implementation of the Capstone.

ANNP8054 ANP Seminar III/Capstone**Credit Hours: 2**

This seminar is the last of three courses that prepares nurses for professional roles in advanced nursing practice. It is taken in conjunction with the clinical practicum and provides an opportunity to discuss clinical cases while demonstrating the ability to apply the didactic material to practice. Emphasis is placed on the professional role and expectations of the new nurse practitioner and the completion of the Capstone project.

Adult-Gero Clinical Nurse Specialist (47 Credit Hours):**NURS8002 Theoretical Basis of Clinical Reasoning****Credit Hours: 3**

This course examines the theoretical underpinnings of nursing practice, research, and evidence-based practice. Emphasis is placed on applying a range of theories from nursing and related fields when making clinical decisions.

NURS8004 Biostatistics for Evidence-based Practice**Credit Hours: 3**

The focus of this course is the understanding of biostatistics for application to nursing and evidence-based practice. Emphasis is placed on the interpretation and appraisal of data analyses for the selection and use of best evidence for making practical conclusions about empirical data. Pre Req: Matriculation into the graduate program major or by permission of instructor.

NURS8006 Research and Best Evidence for Clinical Reasoning**Credit Hours: 3**

This course builds on previous knowledge of research as the scientific basis for practice. Students examine approaches for the translation of the best available evidence into practice for improved outcomes in healthcare.

NURS8008 Healthcare Policy**Credit Hours: 3**

This course guides students in exploring political, economic, ethical, and social forces that currently impact decision making in health care. Patterns of influence that derive current policy development are examined and proposal of advocacy behaviors is encouraged.

NURS8020 Advanced Health Assessment**Credit Hours: 3**

This course provides opportunities for the advanced practice nurse student to develop the knowledge and skills necessary for the performance of comprehensive and focused health assessment. This course addresses clients across the lifespan and the pediatric and family students receive additional pediatric information in their lab sessions. (3 lab hours per week.)

NURS8022 Advanced Physiology and Pathophysiology**Credit Hours: 4**

This course builds upon basic knowledge of human anatomy, physiology, and pathophysiology of disease across the life span. The emphasis is on applied physiology and pathophysiology to enable advanced practice nurses understand how and why the clinical manifestations of disease occur so that appropriate therapies can be selected.

NURS8024 Pharmacology for Advanced Nursing Practice**Credit Hours: 3**

This course prepares nurses for professional roles in advanced nursing practice with knowledge of pharmacokinetic and pharmacodynamic principles of common drug categories used to prevent illness, and to restore and maintain

health for client systems across the life span. Mechanisms of action, pharmacologic response, usual doses, adverse effects, indications, interactions, compatibilities, contraindications and routes of administration are emphasized in acute and chronic conditions. Six hours of legal, ethical and financial content related to prescribing is addressed in this course as required by the Ohio Board of Nursing.

NURS8026 Differential Diagnosis for the APN

Credit Hours: 3

The course focuses on the diagnostic reasoning process through analysis of present and past histories, physical findings and diagnostic studies that contribute to the formulation of differential diagnoses. An in-depth look at the clinical presentation from a symptom approach assists the student in the development of a diagnosis as well as the selection of the appropriate diagnostic testing. Advanced Health Assessment, Clinical Management I and II.

NDN8010 Finance and Economics of Healthcare

Credit Hours: 3

This course explores healthcare finance and economics from the perspective of health care providers and non-financial managers of health services. Financial management principles, the healthcare reimbursement system, reimbursement processes, and factors influencing the financial environment are discussed with emphasis on strategies to promote and sustain the financial viability of healthcare systems.

NURS8012 Leadership in Healthcare Organizations and Systems

Credit Hours: 3

This course explores the leadership role in healthcare organizations. Emphasis is placed on the development and application of leader behaviors that promote organizational synergy, foster achievement of quality outcomes, and contribute to the strategic positioning of the healthcare organization.

NURS3030 Advanced Health Assessment

Credit Hours: 3

This course focuses on the role development of the clinical nurse specialist. Models and frameworks are explored to aid in the integration of the many subroles of the clinical nurse specialist.

Choose between:

NURS8033 Illness Management in Critical Care

Credit Hours: 4

This course focuses on the application of evidence based practice within the specialty practice of critical care. It also focuses on the design, implementation and evaluation of innovative interventions related to symptoms and functional problems experienced by the critically ill adult. Emphasis is placed on clinical judgment and application of principles in the care of the adult patient with complex needs.

-OR-

NURS8035 Illness Management in Adult/Gero Population

Credit Hours: 4

This course focuses on development of Clinical Nurse Specialist competencies in patient care for the adult/geriatric client and on application of evidence based practice within the specialty practice of adult health and geriatrics. Emphasis is placed on clinical judgment and application of principles in the care of the adult patient with complex needs.

NURS8040 CNS Practicum I

Credit Hours: 3

In this practicum, students engage in the beginning implementation of the role of the clinical nurse specialist. Clinical experiences take place in various contexts consistent with the student's clinical specialty. (168 clinical hours, approximately 12 hours per week.)

NURS8042 CNS Practicum II

Credit Hours: 3

In this practicum, students continue to engage in the implementation of the role of the clinical nurse specialist. Clinical experiences take place in various contexts consistent with the student's clinical specialty. (168 clinical hours, approximately 12 hours per week.)

NURS8046 CNS Practicum IV

Credit Hours: 3

In this practicum, students will continue to engage in the implementation of the role of the clinical nurse specialist including clinical expert, consultant, educator, change agent, and leader. Clinical experiences will take place in various contexts consistent with the student's clinical specialty. (168 clinical hours, approximately 12 hours per week.)

Family Nurse Practitioner (46 Credit Hours):

NURS8002 Theoretical Basis of Clinical Reasoning

Credit Hours: 3

This course examines the theoretical underpinnings of nursing practice, research, and evidence-based practice. Emphasis is placed on applying a range of theories from nursing and related fields when making clinical decisions.

NURS8004 Biostatistics for Evidence-based Practice

Credit Hours: 3

The focus of this course is the understanding of biostatistics for application to nursing and evidence-based practice. Emphasis is placed on the interpretation and appraisal of data analyses for the selection and use of best evidence for making practical conclusions about empirical data. Pre Req: Matriculation into the graduate program major or by permission of instructor.

NURS8006 Research and Best Evidence for Clinical Reasoning

Credit Hours: 3

This course builds on previous knowledge of research as the scientific basis for practice. Students examine approaches for the translation of the best available evidence into practice for improved outcomes in healthcare.

NURS8008 Healthcare Policy

Credit Hours: 3

This course guides students in exploring political, economic, ethical, and social forces that currently impact decision making in health care. Patterns of influence that derive current policy development are examined and proposal of advocacy behaviors is encouraged.

NURS8020 Advanced Health Assessment

Credit Hours: 3

This course provides opportunities for the advanced practice nurse student to develop the knowledge and skills necessary for the performance of comprehensive and focused health assessment. This course addresses clients across the lifespan and the pediatric and family students receive additional pediatric information in their lab sessions. (3 lab hours per week.)

NURS8022 Advanced Physiology and Pathophysiology

Credit Hours: 4

This course builds upon basic knowledge of human anatomy, physiology, and pathophysiology of disease across the life span. The emphasis is on applied physiology and pathophysiology to enable advanced practice nurses understand how and why the clinical manifestations of disease occur so that appropriate therapies can be selected.

NURS8024 Pharmacology for Advanced Nursing Practice

Credit Hours: 3

This course prepares nurses for professional roles in advanced nursing practice with knowledge of pharmacokinetic and pharmacodynamic principles of common drug categories used to prevent illness, and to restore and maintain health for client systems across the life span. Mechanisms of action, pharmacologic response, usual doses, adverse effects, indications, interactions, compatibilities, contraindications and routes of administration are emphasized in acute and chronic conditions. Six hours of legal, ethical and financial content related to prescribing is addressed in this course as required by the Ohio Board of Nursing.

NURS8026 Differential Diagnosis for the APN

Credit Hours: 3

The course focuses on the diagnostic reasoning process through analysis of present and past histories, physical findings and diagnostic studies that contribute to the formulation of differential diagnoses. An in-depth look at the clinical presentation from a symptom approach assists the student in the development of a diagnosis as well as the selection of the appropriate diagnostic testing. Advanced Health Assessment, Clinical Management I and II.

ANNP8030 Clinical Management I

Credit Hours: 3

This is the first of two non-sequential courses which provides students with the theoretical foundation to assess, diagnose, and manage the care of client systems. Students focus on the promotion, maintenance and restoration of client health in collaboration/consultation with other members of the health care team. The role of the advanced practice nurse in developing a therapeutic relationship with the patient is used to demonstrate how culturally competent, age and gender specific, and risk stratified care can be provided. Non-pharmacologic and pharmacologic interventions are integrated throughout clinical management. Ethical considerations and role components in advanced nursing practice are addressed within the context of holistic nursing care. Analysis and critique of evidence-based practice serve as the basis for care management decision making. Systems covered include: Pulmonary, Cardiac, Neuro, Endocrine, Psychosocial, and Common Problems.

ANNP8032 Clinical Management II

Credit Hours: 3

This is the second of two non-sequential courses which provides students with the theoretical foundation to assess, diagnose, and manage the care of client systems. Students focus on the promotion, maintenance and restoration of

client health in collaboration/consultation with other members of the health care team. The role of the advanced practice nurse in developing a therapeutic relationship with the patient is used to demonstrate how culturally competent, age and gender specific, and risk stratified care can be provided. Non-pharmacologic and pharmacologic interventions are integrated throughout clinical management. Ethical considerations and role components in advanced nursing practice are addressed within the context of holistic nursing care. Analysis and critique of evidence-based practice serve as the basis for care management decision making. Systems covered include: Renal/GU/GYN, GI, Hematology/Oncology, Skin, EENT, and Musculoskeletal.

ANNP8060 Care of Well Women and Children

Credit Hours: 3

This course provides the theoretical foundation and skills necessary to address health promotion needs of infants, children, and adolescents and special needs of well women across the life span. The course also prepares students to assume professional practice roles in the application of advanced clinical decision-making skills in the assessment, risk analysis and diagnosis, management and evaluation of common illnesses and needs of these respective populations. Ethical and cultural considerations for clients appropriate to primary care settings are also addressed.

ANNP8070 Family Health Nursing: Practicum I

Credit Hours: 2

This practicum is the first in a series of three sequential clinical courses for the advanced practice nursing student in the role of primary care provider of individuals and families across the lifespan. Students focus on history taking and physical examination while incorporating pharmacology and evidence-based practice. Screening guidelines across the life span are evaluated. Students begin to apply knowledge from health assessment pharmacology, diagnostic and disease management courses, as well as the concept of family health nursing. Pre Req: Care of Well Women and Children for the FNP Clinical Management of Adult Health Problems for the Advanced Practice Nurse Part I or II Advanced Clinical Pharmacology, Family Nursing Seminar I. (112 clinical hours, approximately 8 hours per week.)

ANNP8072 Family Health Nursing: Practicum II

Credit Hours: 3

This practicum is the second clinical courses for the advanced practice nursing student pursuing the role of primary care provider of individuals and families across the lifespan. Students continue to focus on history taking and physical examination while incorporating pharmacology and evidence-based practice. Screening guidelines across the life span are integrated. Students synthesize knowledge from health assessment pharmacology, diagnostic and disease management courses, as well as the concept of family health nursing. Pre Req: Family Health Nursing: Practicum I. (168 clinical hours, approximately 12 hours per week.)

ANNP8074 Family Health Nursing: Practicum III

Credit Hours: 4

This practicum is the culminating clinical experience for the advanced practice nurse in the role of primary care provider of individuals and families across the lifespan. Students refine the skills of history taking and physical examination while incorporating pharmacology and evidence-based practice. Screening guidelines across the life span are evaluated. Students synthesize knowledge from health assessment pharmacology, diagnostic and disease management courses, as well as the concept of family health nursing consistently and competently. Pre Req: Family Health Nursing: Practicum II Family Nursing Seminar II. (224 clinical hours, approximately 16 hours per week.)

ANNP8080 Family Nurse Practitioner Seminar I

Credit Hours: 1

This seminar is the first of three courses that prepares nurses for professional roles in advanced nursing practice. Taken in conjunction with the clinical practicum, the course provides an opportunity to discuss clinical cases while demonstrating the ability to apply the didactic material to practice. There is an emphasis placed on screening guidelines, history & physical assessment, and the identification of a Capstone topic.

ANNP8082 Family Nurse Practitioner Seminar II

Credit Hours: 1

This seminar is the second of three courses that prepares nurses for professional roles in advanced nursing practice. It is taken in conjunction with the Clinical Practicum II and provides an opportunity to discuss clinical cases. The student also develops a Capstone project plan.

ANNP8084 Family Nurse Practitioner Seminar III/Capstone

Credit Hours: 1

This seminar prepares nurses for professional roles in advanced nursing practice. It provides an opportunity to discuss clinical cases while demonstrating the ability to apply the didactic material to practice. Emphasis is placed on the professional role assimilation and expectations of the new nurse practitioner. (2 didactic hours per week.)

Nurse-Midwifery (57 Credit Hours):

NURS8002 Theoretical Basis of Clinical Reasoning

Credit Hours: 3

This course examines the theoretical underpinnings of nursing practice, research, and evidence-based practice. Emphasis is placed on applying a range of theories from nursing and related fields when making clinical decisions.

NURS8004 Biostatistics for Evidence-based Practice

Credit Hours: 3

The focus of this course is the understanding of biostatistics for application to nursing and evidence-based practice. Emphasis is placed on the interpretation and appraisal of data analyses for the selection and use of best evidence for making practical conclusions about empirical data. Pre Req: Matriculation into the graduate program major or by permission of instructor.

NURS8006 Research and Best Evidence for Clinical Reasoning

Credit Hours: 3

This course builds on previous knowledge of research as the scientific basis for practice. Students examine approaches for the translation of the best available evidence into practice for improved outcomes in healthcare.

NURS8008 Healthcare Policy

Credit Hours: 3

This course guides students in exploring political, economic, ethical, and social forces that currently impact decision making in health care. Patterns of influence that derive current policy development are examined and proposal of advocacy behaviors is encouraged.

NURS8020 Advanced Health Assessment

Credit Hours: 3

This course provides opportunities for the advanced practice nurse student to develop the knowledge and skills necessary for the performance of comprehensive and focused health assessment. This course addresses clients across the lifespan and the pediatric and family students receive additional pediatric information in their lab sessions. (3 lab hours per week.)

NURS8022 Advanced Physiology and Pathophysiology

Credit Hours: 4

This course builds upon basic knowledge of human anatomy, physiology, and pathophysiology of disease across the life span. The emphasis is on applied physiology and pathophysiology to enable advanced practice nurses understand how and why the clinical manifestations of disease occur so that appropriate therapies can be selected.

NURS8024 Pharmacology for Advanced Nursing Practice

Credit Hours: 3

This course prepares nurses for professional roles in advanced nursing practice with knowledge of pharmacokinetic and pharmacodynamic principles of common drug categories used to prevent illness, and to restore and maintain health for client systems across the life span. Mechanisms of action, pharmacologic response, usual doses, adverse effects, indications, interactions, compatibilities, contraindications and routes of administration are emphasized in acute and chronic conditions. Six hours of legal, ethical and financial content related to prescribing is addressed in this course as required by the Ohio Board of Nursing.

ANW8000 Advanced Reproductive Dynamics

Credit Hours: 3

This course explores the anatomical and physiological basis for advanced nursing practice in reproductive health care. Emphasis is on anatomy, physiology, and reproductive endocrinology in the adult female, male, fetus and neonate. Fetal development is examined from the perspective of maternal and environmental contexts.

ANW8004 Primary Care of Episodic Illness for Women

Credit Hours: 3

This course provides students with the theoretical base to assess, diagnose, and manage the care of client systems across the lifespan with selected episodic health pattern alterations. Students focus on the promotion, maintenance and restoration of client system's health patterns. Culturally competent, holistic, ethical, age and gender specific, and risk stratified care will be discussed. Non-pharmacologic aspects of care such as teaching and coaching are addressed as well as the pharmacologic management designed to help clients achieve desired outcomes. Evidence-based practice serves as the basis for care management. This course includes 0.5 credits (5 clock hours) of pharmacology content.

ANW8006 Primary Care of Episodic Illness for Women Practicum

Credit Hours: 2

This course prepares the student to include primary care of episodic illnesses throughout the lifespan. Students engage in comprehensive assessment, diagnosis and women's health care management for women across the lifespan and assume professional practice roles and responsibilities in managing common health pattern variations pertaining to gynecological and primary care. Emphasis is on family-centered, community-based health care for diverse client systems. (112 clinical hours, approximately 8 hours per week.)

ANW8050 Conceptual Frameworks for Nurse-Midwifery**Credit Hours: 3**

This course introduces the student to the professional role of the nurse-midwife, the care management process, utilization of paradigms of wellness and health patterns, environmental context, and communication pertinent to nurse-midwifery practice. Pre Req: Matriculation in the Graduate Major, Nurse-Midwifery.

ANW8052 Women's Health Care for Nurse-Midwifery**Credit Hours: 3**

This course is the first of five sequential didactic courses that lays the foundation for nurse-midwifery practice. Consistent with the emerging definitions of women's health and women health practice, this course examines a full range of health issues unique to women. Women's health for nurse-midwifery includes prevention; the societal and political determinates of health, patient education and reconceptualization of women's health relationships with health providers. Health assessment and maintenance as well as disease identification and treatment will be presented on a wellness to illness continuum. It prepares students to assume professional roles and responsibilities in the management of normal and common health pattern variations pertaining to gynecologic care. There are 0.25 credits of pharmacology content (10 clock hours). Emphasis is on family centered care and community based health care for diverse client systems. Pre Req: Advanced Reproductive Dynamics, Health Assessment.

ANW8054 Antepartum Care for Nurse-Midwifery**Credit Hours: 3**

This course is the third of five sequential didactic courses that lays the foundation for nurse-midwifery practice. This course prepares the student to assume professional roles in the care of normal antepartal women and those with health pattern variations with an at-risk pregnancy. Emphasis is placed on the collaborative management of interventions to achieve desired outcomes of pregnancy. Included are at least 0.25 credits (10 clock hours) of pharmacology content. Students use scholarly inquiry to further develop their practice knowledge. Research and evidence based practice related to normal and at-risk client systems are applied. The course expands on the history of nurse-midwifery as it impacts on the professional role. Emphasis is on family centered care and community based health care for diverse client systems. CoReq: Well Women for Nurse-Midwifery, Primary Care of Episodic Illness in Women, Primary Care Practicum.

ANW8056 Intrapartum, Postpartum and Newborn Care for Nurse-Midwifery**Credit Hours: 3**

This course is the fourth of five sequential didactic courses that lays the foundation for nurse-midwifery practice. This course prepares the student to assume professional roles and responsibilities in the care of normal intrapartal and postpartal women and those with common health pattern variations pertaining to at risk women in parturition and postpartum; normal and at-risk neonates. Included are at least 0.5 credits (5 clock hours) of pharmacology content. Emphasis is placed on the collaborative management of interventions to achieve desired outcomes during the parturition and postpartum period and the neonate. Research and evidence based practice related to normal and at-risk client systems are applied. CoReq: Antepartum Care for Nurse-Midwifery, Nurse-Midwifery I Practicum.

ANW8058 Integration and Professional Issues for Nurse-Midwifery**Credit Hours: 3**

This course is the fifth of five sequential didactic courses that lays the foundation for nurse-midwifery practice. This course prepares the student for the fully integrated practice of nurse-midwifery. Included are at least 0.5 credits (5 clock hours) of pharmacology content. The professional, social, political, legal, ethical, economic and financial factors that affect nurse-midwifery practice are analyzed. Knowledge is further integrated through the use of comprehensive exams. Pre Req: Intrapartum, Postpartum and Newborn Care for Nurse-Midwifery, Nurse-Midwifery II Practicum.

ANW8060 Nurse Midwifery I Practicum**Credit Hours: 3**

This course is the first in a series of three sequential clinical courses in Nurse-Midwifery. Students engage in comprehensive assessment, diagnosis and nurse-midwifery management for well women across the life span and assume professional practice roles and responsibilities in managing common health pattern variations pertaining to the gynecological and antepartum care. Emphasis is on family centered, community-based health care for a diverse client system. CoReq: Well Woman for Nurse-Midwifery, Primary Care of Episodic Illness didactic and practicum. (168 clinical hours, approximately 12 hours per week.)

ANW8062 Nurse Midwifery II Practicum**Credit Hours: 4**

This course is the second in a series of three sequential clinical courses in Nurse-Midwifery which prepares the student to assume the professional practice roles and responsibilities in the care of normal intrapartum and post partal women and those with common health pattern variation pertaining to at-risk women in parturition and postpartum; normal and at-risk neonates. Emphasis is placed on the collaborative management of interventions to achieve desired outcomes during the parturition and postpartum period and the neonate. Research related to practice

roles for the normal and at-risk client system is applied. CoReq: Antepartum Care for Nurse-Midwifery. (224 clinical hours, approximately 16 hours per week.)

ANW8064 Nurse Midwifery III Practicum

Credit Hours: 5

This course is the third in a series of three sequential clinical courses in Nurse-Midwifery. This course prepares the student for the fully integrated practice of nurse-midwifery including primary care of episodic illnesses throughout the lifespan. The professional, social, political, legal, ethical, economic and financial factors that affect nurse-midwifery practice are analyzed. CoReq: Intrapartum, Postpartum and Newborn Care for Nurse-Midwifery. (280 clinical hours, approximately 20 hours per week.)

Nursing Administration (43 Credit Hours):

NURS8002 Theoretical Basis of Clinical Reasoning

Credit Hours: 3

This course examines the theoretical underpinnings of nursing practice, research, and evidence-based practice. Emphasis is placed on applying a range of theories from nursing and related fields when making clinical decisions.

NURS8004 Biostatistics for Evidence-based Practice

Credit Hours: 3

The focus of this course is the understanding of biostatistics for application to nursing and evidence-based practice. Emphasis is placed on the interpretation and appraisal of data analyses for the selection and use of best evidence for making practical conclusions about empirical data. Pre Req: Matriculation into the graduate program major or by permission of instructor.

NURS8006 Research and Best Evidence for Clinical Reasoning

Credit Hours: 3

This course builds on previous knowledge of research as the scientific basis for practice. Students examine approaches for the translation of the best available evidence into practice for improved outcomes in healthcare.

NURS8008 Healthcare Policy

Credit Hours: 3

This course guides students in exploring political, economic, ethical, and social forces that currently impact decision making in health care. Patterns of influence that derive current policy development are examined and proposal of advocacy behaviors is encouraged.

NURS8010 Human Resources Management in Health care Organizations

Credit Hours: 3

This course provides a systems approach to human resources management in health care administration. The external environment, organizational characteristics, subsystem components, and individual and collective outcomes of the system are examined and integrated into strategic management of health care organizations emphasizing the link between human resource management and the organization's strategy, the internal and external environment, and the organizational stage of development. CoReq: Organization & Management of Health care Systems.

NURS8012 Leadership in Healthcare Organizations and Systems

Credit Hours: 3

This course explores the leadership role in healthcare organizations. Emphasis is placed on the development and application of leader behaviors that promote organizational synergy, foster achievement of quality outcomes, and contribute to the strategic positioning of the healthcare organization.

ANNA8002 Nursing Administration Seminar

Credit Hours: 3

This seminar integrates theory and practice in the professional nursing administration role. The focus is on the application of theories and models in nursing, administration and organizational management to nursing administration practice. These theories and models are examined and integrated into the management of health care organizations. Pre Req: Matriculation into the Program Major or permission of the instructor.

ANNA8004 Organizing and Managing Healthcare Organizations

Credit Hours: 4

This course integrates theory and practice related to organization and management of nursing and healthcare organizations. The assessment, program planning, implementation, and evaluation phases of health planning are incorporated as essential components of effective administrative role implementation in a variety of environmental contexts. Pre Req: ANNA8002.

ANNA8006 Strategic Leadership and Management in Nursing Administration

Credit Hours: 3

This course provides the key concepts and theoretical models of strategic change, strategic planning, and strategic management as applied to the health care industry. This course focuses on the roles of the nurse leader in formulation and implementation of strategy in the health care setting. The dynamics of organizational process and

methods of organizational analysis are explored in the strategic planning process. Pre Req: ANNA 8004 Organizing and Managing Healthcare Organizations, NURS 8010 Human Resources Management.

ANNA8020 Nursing Administration Practicum I: Applied Leadership **Credit Hours: 3**

This practicum provides the student opportunities in analysis of the operational aspects of organizations and systems in relation to the needs of patient/client/employee populations. Nursing, leadership, management, and organizational theories are applied in evaluating structure and processes leaders/administrators use to achieve expected organizational and system outcomes. Emphasis is placed on the development and application of skills used in assessing the needs of population groups in a variety of environmental and organizational contexts. Pre Req: ANNA8002 Nursing Administration Seminar, ANNA8004 Organizing and Managing Health Care Organizations. (168 clinical hours, approximately 12 hours per week.)

ANNA8022 Nursing Administration Practicum II: Resource Management **Credit Hours: 3**

This practicum provides the student opportunities to analyze the professional role of nurse leaders in management of human and fiscal resources. Emphasis is directed at analysis and use of resources to meet organizational goals within a variety of environmental contexts. Pre Req: NURS8010 Human Resource Management in Health Services, NURS8011 Finance and Economics of Healthcare ANNA8020 NA Practicum I. (168 clinical hours, approximately 12 hours per week.)

ANNA8024 Nursing Administration Practicum III: System Effectiveness **Credit Hours: 3**

This practicum provides the student opportunities to apply the professional nurse leader role in designing and evaluating system interventions. Emphasis is placed on analysis and selection of strategies that position nursing and healthcare delivery systems for current and future trends. Pre Req: NURS8012 Leadership in Healthcare Organizations and Systems, ANNA8006 Strategic Concepts & Models in NSA, ANNA8022 NA Practicum II. (168 clinical hours, approximately 12 hours per week.)

NDN8010 Finance and Economics of Healthcare **Credit Hours: 3**

This course explores healthcare finance and economics from the perspective of health care providers and non-financial managers of health services. Financial management principles, the healthcare reimbursement system, reimbursement processes, and factors influencing the financial environment are discussed with emphasis on strategies to promote and sustain the financial viability of healthcare systems.

Women's Health Nurse Practitioner (48 Credit Hours):

NURS8002 Theoretical Basis of Clinical Reasoning **Credit Hours: 3**

This course examines the theoretical underpinnings of nursing practice, research, and evidence-based practice. Emphasis is placed on applying a range of theories from nursing and related fields when making clinical decisions.

NURS8004 Biostatistics for Evidence-based Practice **Credit Hours: 3**

The focus of this course is the understanding of biostatistics for application to nursing and evidence-based practice. Emphasis is placed on the interpretation and appraisal of data analyses for the selection and use of best evidence for making practical conclusions about empirical data. Pre Req: Matriculation into the graduate program major or by permission of instructor.

NURS8006 Research and Best Evidence for Clinical Reasoning **Credit Hours: 3**

This course builds on previous knowledge of research as the scientific basis for practice. Students examine approaches for the translation of the best available evidence into practice for improved outcomes in healthcare.

NURS8008 Healthcare Policy **Credit Hours: 3**

This course guides students in exploring political, economic, ethical, and social forces that currently impact decision making in health care. Patterns of influence that derive current policy development are examined and proposal of advocacy behaviors is encouraged.

NURS8020 Advanced Health Assessment **Credit Hours: 3**

This course provides opportunities for the advanced practice nurse student to develop the knowledge and skills necessary for the performance of comprehensive and focused health assessment. This course addresses clients across the lifespan and the pediatric and family students receive additional pediatric information in their lab sessions. (3 lab hours per week.)

NURS8022 Advanced Physiology and Pathophysiology **Credit Hours: 4**
This course builds upon basic knowledge of human anatomy, physiology, and pathophysiology of disease across the life span. The emphasis is on applied physiology and pathophysiology to enable advanced practice nurses understand how and why the clinical manifestations of disease occur so that appropriate therapies can be selected.

NURS8024 Pharmacology for Advanced Nursing Practice **Credit Hours: 3**
This course prepares nurses for professional roles in advanced nursing practice with knowledge of pharmacokinetic and pharmacodynamic principles of common drug categories used to prevent illness, and to restore and maintain health for client systems across the life span. Mechanisms of action, pharmacologic response, usual doses, adverse effects, indications, interactions, compatibilities, contraindications and routes of administration are emphasized in acute and chronic conditions. Six hours of legal, ethical and financial content related to prescribing is addressed in this course as required by the Ohio Board of Nursing.

ANW8000 Advanced Reproductive Dynamics **Credit Hours: 3**
This course explores the anatomical and physiological basis for advanced nursing practice in reproductive health care. Emphasis is on anatomy, physiology, and reproductive endocrinology in the adult female, male, fetus and neonate. Fetal development is examined from the perspective of maternal and environmental contexts.

ANW8004 Primary Care of Episodic Illness for Women **Credit Hours: 3**
This course provides students with the theoretical base to assess, diagnose, and manage the care of client systems across the lifespan with selected episodic health pattern alterations. Students focus on the promotion, maintenance and restoration of client system's health patterns. Culturally competent, holistic, ethical, age and gender specific, and risk stratified care will be discussed. Non-pharmacologic aspects of care such as teaching and coaching are addressed as well as the pharmacologic management designed to help clients achieve desired outcomes. Evidence-based practice serves as the basis for care management. This course includes 0.5 credits (5 clock hours) of pharmacology content.

ANW8006 Primary Care of Episodic Illness for Women Practicum **Credit Hours: 2**
This course prepares the student to include primary care of episodic illnesses throughout the lifespan. Students engage in comprehensive assessment, diagnosis and women's health care management for women across the lifespan and assume professional practice roles and responsibilities in managing common health pattern variations pertaining to gynecological and primary care. Emphasis is on family-centered, community-based health care for diverse client systems. (112 clinical hours, approximately 8 hours per week.)

ANW8010 Conceptual Frameworks for Women's Health **Credit Hours: 1**
This course introduces the student to the professional role of the women's health nurse practitioner, the care management process, utilization of paradigms of wellness and health patterns, environmental context, and communication pertinent to women's health practitioner practice. Pre Req: Matriculation in the Graduate Major, Nurse-Midwifery.

ANW8020 Advanced Women's Health I **Credit Hours: 3**
This course, the first in a series of two sequential didactic and three sequential clinical practicum courses, lays the foundation for the women's health care management process and the care of women across the lifespan. It prepares students to assume professional roles and responsibilities in the management of normal and common health pattern variations pertaining to gynecological care. There are at least 0.5 credits (7 clock hours) of pharmacology content. Emphasis is on family-centered, community-based health care for diverse client systems. Pre Req: Advanced Reproductive Dynamics, Physiology and Pathophysiology, Pharmacology, Health Assessment for Advanced Nursing Practice, 3 didactic hours.

ANW8022 Advanced Women's Health II **Credit Hours: 3**
This course, the second in a sequence of two sequential didactic, prepares students to assume professional roles in the care of normal antepartal and postpartum women and those with health pattern variations with an at-risk pregnancy. Emphasis is placed on the collaborative management of interventions to achieve desired outcomes during pregnancy. Included are at least 0.5 credits (7 clock hours) of pharmacology content. Students use scholarly inquiry to further develop their practice knowledge. Research related to normal and at-risk client systems are applied. CoReq: Advanced Women's Health I, Advanced Women's Health Practicum I, Advanced Women's Health Practicum II, 3 didactic hours.

ANW8030 Advanced Women's Health I Practicum**Credit Hours: 3**

This course is the first in a series of three sequential clinical practicum courses in Women's Health Care. The student engages in comprehensive assessment, diagnosis, and management of women's health care across the lifespan. The student assumes a professional practice role and responsibility for management of normal and common health pattern variations pertaining to gynecological care. (168 clinical hours, approximately 12 hours per week.)

ANW8032 Advanced Women's Health II Practicum**Credit Hours: 3**

This course, the second in a series of three sequential clinical courses in women's health care, prepares the students to assume the professional practice roles in the care of normal antepartal women and those with health pattern variations with an at-risk pregnancy. Emphasis is placed on the collaborative management of interventions to achieve desired outcomes during pregnancy. Students use scholarly inquiry to further develop their practice. Evidence-based research as related to normal and at-risk client systems is applied. CoReq: Women's Health Care I, Women's Health Care Practicum I, Women's Health Care II. (168 clinical hours, approximately 12 hours per week.)

ANW8034 Advanced Women's Health Practicum III**Credit Hours: 4**

This course, the third in a sequence of three, prepares the student for the fully integrated practice of women's health care to include primary care of episodic illnesses throughout the lifespan. The professional, social, political, legal, ethical, economic and financial factors that affect women's health care practice are analyzed. Pre req: Advanced Women's Health I, Advanced Women's Health Practicum I, Advanced Women's Health II, Advanced Women's Health Practicum II. (224 clinical hours, approximately 16 hours per week.)

NURS8099 MSN Capstone Project**Credit Hours: 1**

The Master's Capstone represents a culmination experience designed to provide the student with an opportunity to demonstrate a synthesis of knowledge, skills and experience developed throughout the program of study. The purpose of the capstone is to demonstrate the student's ability to apply knowledge and practice skills developed during the master's program to advance the student's advanced nursing practice and that of the discipline. Moreover, the capstone activity provides the opportunity to integrate scientific evidence and theory along with advanced practice in the student's program.

Description of practicum, labs, or other facilities

All of the MSN specialties have a clinical/practicum component. The 500+ hour clinical practica obtained in the clinical courses for the nurse practitioner and clinical nurse specialist specialties meet the standards mandated by the credentialing bodies.

In the distance learning option of the MSN program, CoN faculty provide general oversight and responsibility of the distance learning students' clinical experience. When it is not logistically possible for the faculty to provide direct supervision of the clinical experience, the faculty work with preceptors, also known by the University of Cincinnati's College of Nursing as Volunteer Clinical Faculty (VCF), who precept students outside the local Cincinnati community. Additionally, the VCFs provide training, mentorship, and direct supervision during the entire clinical experience. To gain credit for clinical requirements, each MSN student must work with a VCF who is qualified to approve and sign off on clinical competencies as they are performed successfully. In order to precept students, all VCFs must meet the following mandatory criteria and qualifications of the CoN:

- Licensed to practice in the jurisdiction of her/his employment
- Master's degree or higher
- NP certified through ANCC or AANP in her/his field of experience or Physician/DO (for practitioner programs)
- Submission of current professional curriculum vitae
- At least one year of employment in advanced practice

Program Outline

<http://nursingonline.uc.edu/>

UNIVERSITY OF CINCINNATI

Program: Nursing Education, Graduate Certificate
College: College of Nursing
Accreditation: HLC/North Central Association of Colleges and Schools
Commission on Collegiate Nursing Education

Program Description

The University of Cincinnati College of Nursing (CoN) offers a Graduate Certificate in Nursing Education. The Graduate Certificate program is designed to address the shortage of faculty in nursing programs and enhance the skills of practicing nurses as preceptors and facilitators of staff development. Graduates of this program will be prepared to become educational leaders in academic and practice settings. The certificate provides essential knowledge and skills in teaching and learning, program development, assessment, evaluation and other aspects of the educational process in nursing. Furthermore, it provides a means for both prospective and current graduate students to receive foundational instruction in teaching and learning theories and methods.

This program has been designed for post-baccalaureate entry to enable students to prepare for academic roles in higher education while completing masters and doctorate degrees. Additionally, those who wish to pursue educator roles in practice/professional settings can pursue this certificate after earning their BSN. Students completing this certificate at the post-baccalaureate level may be eligible for roles in staff development, nursing assistant programs, licensed practical nurse programs (LPN), and clinical instruction/precepting.

The Graduate Certificate in Nursing Education is comprised of coursework that will provide educators with specialty preparation required for the National League for Nursing (NLN) examination for Certification as a Nurse Educator (CNE). Educators must meet additional eligibility requirements as outlined on the NLN certification website (<http://www.nln.org/certification/information/eligibility.htm>).

Admission Requirements

Prospective students must complete an application to the University of Cincinnati Graduate School for acceptance into the graduate certificate program. The admission requirements for the Graduate Certificate program are as follows:

- Baccalaureate degree in nursing
- Current license to practice as a registered nurse
- Official transcripts demonstrating a minimum cumulative grade point average of 3.00 on a 4.00 scale for the last degree earned.
- Completion of the University of Cincinnati online Certificate application:
<http://www.gradu.uc.edu/applyonline.aspx>
- For those students not enrolled in a degree program at University of Cincinnati, completion of the Graduate Supplemental Information Form is required.
- Resume or curriculum vitae
- Goal statement

Satisfactory Test of English as a Foreign Language (TOEFL) or the International English Language Testing System (IELTS) score is required for non-native English-speaking international students. Students must meet the score requirements of the graduate school.

Online Core Courses & Descriptions (12 Credit Hours)

NURS8082 Learning-Centered Teaching in Healthcare **Credit Hours: 3**
This course focuses on the role of the healthcare faculty member in developing cognitive, affective, and psychomotor student learning outcomes. Facilitating learning in traditional, flexible, and virtual learning spaces, use of evidence-based teaching, and addressing the needs of diverse learners in classroom and clinical settings will be emphasized.

NURS8084 Curriculum Design and Student Assessment in Healthcare Credit Hours: 3
This course focuses on the effective use of instructional technology to support learning-centered teaching. Emphasis will be placed on pedagogically sound applications of instructional technologies from the perspectives of theory, research, practice and future trends.

NURS8086 Instructional Technology for Learning-Centered Teaching Credit Hours: 3
This course focuses on curriculum design and evaluation to facilitate student learning across cognitive, psychomotor, and affective domains. Strategies to assess student learning and problem effectiveness will be explored.

NURS8088 The Professional Role in Nursing Education Credit Hours: 3
This course focuses on the comprehensive investigation of the academic nursing role in higher education relative to administration, student issues, program requirements, and faculty expectations. This course is restricted to students who are completing the Graduate Certificate in Nursing Education and is designed as the final course in the curriculum. Students will complete a practicum of 56 contact hours in an area of interest within teaching or educational administration (described below).

Description of practicum, labs, or other facilities

The final course in this certificate program contains a practicum of 56 contact hours with a doctorally-prepared (preferred) nursing faculty member in an area of interest within teaching or educational administration. Practicum experiences are available virtually, or in-person, with CoN faculty members. The program coordinator will assist students to develop a practicum experience with a preceptor in their local area as available.

The certificate program coordinator is responsible for assessing the site and preceptor for appropriateness, making preceptor assignments, and providing orientation to the preceptor. Course faculty provide supervision of the student's practicum experience throughout the course, which may include direct supervision, conference and video calls, confirmation and evaluation by preceptors, and online assignments and case studies to ensure that students have met clinical objectives. Faculty will work with preceptors to assure that they understand course objectives and provide mentorship and supervision to students during the practicum experience. The preceptor to student ratio is no more than 1:2.

To gain credit for practicum requirements, each student must work with a preceptor who is qualified to approve and sign off on practicum objectives/outcomes as they are completed. In order to precept students, all preceptors must meet the following mandatory criteria and qualifications of the CoN:

- Licensed to practice in the jurisdiction of his/her employment;
- Master's degree or higher (doctorate preferred);
- Submission of current professional curriculum vitae; and
- At least two years of employment in nursing academic education.

Graduation Requirements:

Students will graduate with a Graduate Certificate in Nursing Education if they have applied to and been accepted into the Graduate Certificate Program, have completed all four certificate courses according to the progression policy, and have submitted an application for graduation.

Program Outline

http://nursing.uc.edu/academic_programs/graduate_certificateinnursingeducation.html

UNIVERSITY OF CINCINNATI

Program:	Psychiatric Mental Health Nurse Practitioner, Post-Master's Certificate
College:	College of Nursing
Accreditation:	HLC/North Central Association of Colleges and Schools Commission on Collegiate Nursing Education

Program Description

This program addresses a need for integrated (medical and psych) care of underrepresented and underserved individuals with severe mental illnesses complicated by chronic medical comorbidities. We aim to prepare nurses who already have master's degrees in primary and acute care specialties to add advanced psychiatric skills to their scopes of practice, positioning them to do therapy and to prescribe and manage psychiatric medication for individuals of all ages with psychiatric conditions. A secondary aim is to provide psychiatric nurses prepared as CNSs or NPs in adult or child with the knowledge and skill needed to treat patients across the lifespan. The program is designed for nurses who have graduated with a Master of Science degree in an advanced practice specialty.

The program prepares the PMHNP to diagnose children and adults with psychiatric and/or substance abuse disorders, as well as address the mental health problems that often go along with medical illness. It fosters the application of evidence based practices, psychopharmacology, group and individual therapy. The program will allow the PMHNPs to develop competencies and a unique skill set that positions them to seek employment in a variety of settings like primary care or outpatient mental health clinics, psychiatric emergency services, hospitals, private practice, or community health centers.

The program will be tailored to individual needs and use a variety of distance educational strategies that combines online course work, supervision, internships and a 2 day on campus learning. The two day on campus learning will include: a meet and greet with Dean, faculty and staff; assessment of student clinical interviewing skills and competencies; orientation to campus, library, student affairs, and technology available to student; opportunity to get badge and IDs that they will need for clinical internships; and learning activities related to pathological disorders and psychopharmacology.

Graduates are prepared to sit for the American Nurses Credentialing Center's (ANCC) Psychiatric-Mental Health Nurse Practitioner (PMHNP) certification upon completion.

Admission Requirements

Applications for the Psychiatric Mental Health Nurse Practitioner Post Master's Certificate program are accepted annually. Applicants will be reviewed for admission on the strength of their ability to successfully complete this program, and based upon the criteria listed below.

To be eligible for admission to the program, applicants must fulfill the following requirements:

- University of Cincinnati graduate school online application.
- Official transcripts from all institutions attended.
- Current unrestricted RN license.
- Bachelor of Science in Nursing degree conferred from a regionally and nursing (ACEN* or CCNE) accredited institution.
- Master of Science degree in an advanced practice specialty conferred from a regionally and nursing (ACEN formerly NLNAC or CCNE) accredited institution.
- Three letters of reference from current supervisors/past or current faculty.
- Personal goal statement.
- Professional resume.

Pre-requisites (9 Credit Hours)

Applicants for this post-master's certificate are required to have completed the following prerequisite courses prior to beginning our program. Courses should have been completed within the past ten years, with a grade of B or higher. Any courses older than ten years will be evaluated on a case-by-case basis.

- Advanced physiology/pathophysiology, including general principles that apply across the life span
- Advanced health assessment, which includes assessment of all human systems, advanced assessment techniques, concepts, and approaches
- Advanced pharmacology, which includes pharmacodynamics, pharmacokinetics, and pharmacotherapeutics of all broad categories of agents

The applicant must also have completed coursework previously (within the past ten years, with a grade of B or higher) with content in the following areas:

- Health promotion and/or maintenance
- Differential diagnosis and disease management, including the use and prescription of pharmacologic and non-pharmacologic interventions

Online Courses & Descriptions (20 Credit Hours)

ANPS8003 Psychopathological Disorders across the Lifespan 3 Credit Hours

Building on diagnostic skills learned in Health Assessment, this course focuses on the epidemiology and etiology of selected psychopathological disorders and assessment and differential diagnosis of common clinical variations in health patterns in adults and children with mental illness. Emphasis is placed on assessment and interventions across the lifespan.

ANPS8005 Neurobiology and Psychopharmacology – Life Cycle Perspectives 3 Credit Hours

This course presents advanced concepts of neuropathophysiology of mental illness, and pharmacokinetics and pharmacodynamics of drugs used in the psychopharmacologic treatment and clinical managements of various psychiatric disorders across the lifespan. The course reflects current scientific knowledge of the neurobiology of serious mental illness, and the application of psychopharmacology to clinical problems. Indications for use of psychotropic medications, informed consent, external databases to track controlled substances, side effects, compliance issues, and interactions will be discussed. Emphasis is placed on the understanding of psychotropic drug effects for each disorder studied and the relationship to advanced nursing practice interventions.

ANPS8007 Systems Interventions for Individuals and Groups 2 Credit Hours

This course focuses on selected theory and interventions for individuals and groups that are utilized by the advanced practice psychiatric nurse in planning, implementing and evaluating care within the appropriate system for adults and children with psychiatric disorders. Theories of various treatment modalities, therapeutic communication, and evidence based standards of care; along with use of clinical practice guidelines are also emphasized.

ANPS8008 Role of the PMHNP in Promoting Health 2 Credit Hours

This course is relevant to Psychiatric and Mental Health advanced nursing practice in integrated care settings. The course focuses on regulations and standards that define scope of practice and prescriptive authority for practitioners prescribing psychiatric medications and the roles of the PMHNP related to health promotion, leadership, ethical and legal decision making, health policy and advocacy, quality improvement and safety, technology and inter professional practice, including scope of practice issues. The course also focuses on strategies within the role to incorporate integration of physical and behavioral health. This course builds upon previous courses with an in depth focus on interventions for complex care of clients with psychiatric symptoms across the lifespan, exploring theories and interventions related to the care of chronically ill patients with comorbid medical conditions.

ANPS8013 Clinical Psychiatric Diagnostics and Management of Adults 3 Credit Hours

This course builds upon assessment techniques and previous courses with an emphasis on the differential diagnosis of and interventions for complex care of adults with psychiatric symptoms and comorbid conditions.

ANPS8014 Clinical Psychiatric Diagnostics and Management of Children 3 Credit Hours
This course builds upon assessment techniques and previous courses with an emphasis on the differential diagnosis of and interventions for complex care of children with psychiatric symptoms and comorbid conditions.

ANPS8028 Internship I: Supervised Clinical Practice Across the Lifespan 1 Credit Hour
This is the first of three clinical internships that focuses on the NP student on primary assessment and diagnostic skills needed to determine appropriate therapeutic interventions in adults or children exhibiting severe mental illness. The first internship focuses on individual and/or group therapy. Special focus is on patient individual and group therapy and education as an intervention to improve outcomes. The students engage in beginning implementation of the APN role.

ANPS8030 Internship II: Supervised Clinical Practice Across the Lifespan 1 Credit Hour
This is the second of three clinical internships that focuses on the NP student on primary assessment and diagnostic skills needed to determine appropriate therapeutic interventions in adults or children exhibiting severe mental illness. This second internship will continue the focus on individual and/or group therapy as the first internship, but adds assessment and treatment planning. Students engage in comprehensive assessment, diagnosis and interventions incorporating pharmacology and evidence based practice. Screening guidelines across the population are evaluated. The students engage in beginning implementation of the APN role.

ANPS8032 Internship III: Supervised Clinical Practice Across the Lifespan 2 Credit Hours
This is the third of three clinical internships that focuses on the NP student on primary assessment and diagnostic skills needed to determine appropriate therapeutic interventions in adults or children exhibiting severe mental illness. Students engage in comprehensive assessment, diagnosis, intervention, management, and evaluation of patient care situations incorporating pharmacology and evidence based practice and therapy. Special focus is placed on the performance of the many roles in advanced practice nursing including collaboration as a peer on the multidisciplinary health care team.

Description of practicum, labs, or other facilities

The first two of three internships will require practica in group and/or individual therapy and also applies learning outcomes as identified in the clinical management series in an adult, child or lifespan clinical setting with 9 clock hours/week clinical, 1 clock hour per week clinical supervision, 126 total clock hours. The third internship will require 19 clock hours/week clinical, 1 clock hour per week clinical supervisions, 266 total clinical clock hours.

In the Psychiatric Mental Health Nurse Practitioner Post Master's Certificate program, CoN faculty provide general oversight, supervision and responsibility of the students' clinical experience. The faculty also work with preceptors who precept students in and outside the local Cincinnati community. The preceptors provide training and mentorship during the entire clinical experience. To gain credit for clinical requirements, each student must work with a preceptor who is qualified to approve and sign off on clinical competencies as they are performed successfully. In order to precept students, all preceptors must pass background checks and meet the following mandatory criteria and qualifications of the CoN:

- Licensed to practice in the jurisdiction of her/his employment
- Master's degree or higher
- NP or CNS certified through ANCC or AANP in her/his field of experience or Physician/DO (for practitioner programs)
- Submission of current professional curriculum vitae
- At least one year of employment in advanced practice

Students outside of the local Cincinnati area must find their own preceptors. Within the Cincinnati area, they can identify their own or receive some guidance from CoN faculty in finding a preceptor.

Graduation Requirements

Students will graduate with a Post Master's Certificate in Psychiatric Mental Health if they have applied to and been accepted into the Graduate Post Master's Certificate Program, have completed the equivalence of all nine certificate courses according to the progression policy, and have submitted an application for graduation.

Program Outline

http://nursing.uc.edu/academic_programs/post-master_s_certificate/psych-mental-health.html

Recent Approval Letter



MHEC

Creating a state of achievement

14055
Martin O'Malley
Governor

Anthony G. Brown
Lt. Governor

Anwer Hasan
Chairperson

Catherine M. Shultz
Acting Secretary

September 25, 2014

Santa J. Ono
President
University of Cincinnati
2600 Clifton Avenue, Room 625
Cincinnati, OH 45221

Dear President Ono:

The Maryland Higher Education Commission has received an application from the University of Cincinnati to offer four online programs that include experiential learning components as a required part of the curriculum. I am pleased to inform you that the University of Cincinnati is authorized to offer the programs as listed below until August 31, 2015. Please note that there are conditions placed on these program approvals.

Approved programs:

- I. Master of Science in Nursing (M.S.N.)
- II. Bachelor of Science in Medical Laboratory Sciences (B.S.)
- III. Post-Master's Certificate in Psychiatric Mental Health Nurse Practitioner (P.M.C.)
- IV. Graduate Certificate in Nursing Education (CERT)

All the programs listed above are approved with the following conditions:

- (i) University of Cincinnati shall work directly with students enrolled to secure practica opportunities, where those practica will take place in Maryland.
- (ii) Upon renewal of its certificate of approval to operate in Maryland, University of Cincinnati shall submit a list of its practica sites by program, as well as the number of students placed at those sites during the preceding year. The Commission may review placement sites, as well as monitor the number of students placed at those sites, in order to make future determinations regarding the use of those sites.

An electronic renewal form and the regulations for out-of-state institutions are available on the Commission's website under "Academic Approval Process" at www.mhec.state.md.us. In order to operate at the approved locations after the stated expiration date, the renewal application should be completed and submitted to this office no later than five months before the institution proposes to commence operation for the academic year 2015-2016. If applicable, the use of VA benefits for these programs should be coordinated through Ms. Trish Gordon-McCown, Veterans Affairs Coordinator. She can be reached at 410-767-3098.

Please keep us informed of any changes contemplated in your offerings in Maryland. We look forward to continuing the cooperative relationship developed between your institution and the Maryland Higher Education Commission.

Sincerely,



Catherine M. Shultz, J.D.
Acting Secretary of Higher Education

CMS:SAB:nl

C: Melody Clark, Academic Director for Distance Learning, University of Cincinnati

Enrollment and graduation data

Student Enrollment Data Form

Out-of-State Degree Granting Institutions Operating in Maryland

Institution: Univ. of Cincinnati **Location:** n/a

Unduplicated Headcount at this location for the past academic year: September 1, 2013 to August 31, 2014

Person Completing the Student Enrollment Data Form: J.Staderman **Telephone:** _____ **Email:** janet.staderman@uc.edu
513-556-4354

County/Jurisdiction	Full-Time Undergraduates	Part-Time Undergraduates	Full-Time Graduates	Part-Time Graduates	TOTAL Enrollment
Allegany		2			2
Anne Arundel		4			4
Baltimore County		1		3	4
Baltimore City				2	2
Calvert					
Caroline					
Carroll				1	1
Cecil					
Charles		1		1	2
Dorchester					
Frederick				2	2
Garrett					
Harford					
Howard				1	1
Kent				1	1
Montgomery				3	3
Prince George's		1		1	2
Queen Anne's					
St. Mary's					
Somerset					
Talbot					
Washington		4			4
Wicomico					
Worchester					
Non-Maryland Residents					
TOTALS		13		15	28

