This publication contains proposed curriculum changes. This Curriculum Register conforms to the curriculum review process as described in the fall 2007 Curriculum Review Guide. It contains two sections, **Campuswide Proposal Sharing**, which includes a synopsis of course and program proposals that have been submitted for review to their department curriculum committee or program faculty and **University Curriculum Committee (UCC) Recommendations** that includes completed information on proposals reviewed by UCC.

Every proposal must complete all stages of the curriculum review process:

1. Submission of proposal(s) by originating department/program.
2. Review by every department/program in the school/college in which the program is housed.
3. Review by Department Curriculum Committee or Program Faculty.
5. Review by General Studies, Liberal Studies, or Graduate Council, when appropriate; preparation of impact statement.
6. Review by the Dean for school/college resource implication; preparation of resource impact statement.
7. Review by the Office of Academic Programs; preparation of university resource impact statement.
8. Review by the originating School/College Curriculum Committee.
9. Review by the University Curriculum Committee (UCC).
10. UCC recommendations posted in the Curriculum Register.
11. Review by Academic Affairs Program Effectiveness Committee, when appropriate.
12. Approval by Vice President for Academic Affairs or designee.
13. Approval by President, when appropriate.
14. Approval by Off Campus Approval bodies, when appropriate.

**Moratorium for Proposals in Campuswide Sharing Stage:**

There will be a 10 working day moratorium, starting from the publication date of the Curriculum Register, during which departments, deans, or individual faculty may raise objections or concerns, in writing, to the proposing School or College Curriculum Committee or Program Faculty for proposals in the campuswide sharing stage. The Campuswide Sharing section of the Curriculum Register contains only a summary of the curriculum proposal. Please ask the Department Curriculum Committee or Program Faculty for a complete proposal packet if you have questions or concerns.

**Moratorium End Date: January 29, 2016**

Once the moratorium date has passed for campuswide sharing and no objections are received, the proposal will continue through the stages of the curriculum review process.

The Curriculum Register is produced by the Office of Academic Programs. Any questions or comments should be directed to Tracey Haney at ext. 3308.
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CAMPUSWIDE PROPOSAL SHARING

The following proposal(s) have completed steps 1-3 of the Curriculum Review Process (see pg. 1 of Curriculum Register).
College of Natural and Behavioral Sciences

Program/Course: CTC 405  
CTC 454  
Type of Change: New Courses  
Proposer: Mohsen Beheshti  
Summary of Changes: To better prepare our students for the workforce, we need to use state-of-the-art technology. For that reason, the Computer Science Department developed two new courses, one in advanced gaming and one in ‘wireless Security and Forensics. These two courses are providing excellent opportunity for our students to learn and understand the new technology in gaming, mobile devices, and wireless security and forensics. These two courses have been offered through CTC 395 and CTC 495. They provide the necessary skills in working with mobile devices, game consoles and wireless technology. There are about 20-25 students who register for the wireless security course each semester; and the advanced gaming course is offered once a year with about 20-25 students in each class. We propose to make them permanent courses: CTC 405, Game and Mobile Programming and CTC 454, Wireless Security and Forensics. Due to the continuous changes, we believe our students need to learn the new technology to stay current in the field to be able to enter the workforce or continue with their graduate education.

Program/Course: PHY 250  
Type of Change: New Course  
Proposer: Michael Durand  
Summary of Changes: The Physics Department proposes a new course, PHY 250, Methods in Physics and Engineering. Upper division Physics students have great difficulty programming and problem-solving. Sister campuses have introduced MATLAB prior to upper-division to provide preparation for programming and numerical analysis in upper-division courses. Our student must also have facility with a problem-solving computer language like MATLAB that handles advanced calculus. Without MATLAB our students cannot compete with students from other campuses for internships and for graduate programs. Physics students must develop and utilize their abilities to analyze, criticize, and advocate ideas; to reason inductively and deductively, to reach well-supported factual or judgmental conclusion; and to apply the concepts and skills of critical reasoning to solve academic problems. Since these are prime objectives of our General education –A2 courses, PHY 250 should count as one of the accepted GE Area A2 courses. This course is an elective and does not impact the Physics Program. No program modifications are needed. This elective course will be accepted as a computer programming course to meet physics requirements currently provided by CSC 121 or CSC 111.
Program/Course: POL 380
Type of Change: New Course
Proposer: Annie Whetmore

Summary of Changes: The Political Science Department proposes a new course, POL 380, Mock Trial. POL 380 serves as an elective compliment to the Model United Nations program currently being offered. As Model UN allows students to put into practice conflict and dispute resolution at the international level, Mock Trial allows students to gain a deeper knowledge of how disputes are non-violently resolved in the United States: trial.
UNIVERSITY CURRICULUM COMMITTEE
RECOMMENDATIONS
College of Arts and Humanities

Art and Design

New Program: Minor in Photography

New Courses

- ART 349 Intermediate Photography (3)
- ART 449

Course Modification

ART 348 Digital Photography (3)

- Mode of Instruction- Correction from Laboratory course (C-15) to Activity course (C-7).
- Course Utilization- Course will be added as a requirement to Photography minor.
- Course Prerequisite- Add ART 160 as an option for course prerequisite.

Catalog Copy

Course Modification

ART 348 Digital Photography (3)
Prerequisites: ART 160 or ART 170 or equivalent.
Introduction to digital photography techniques as well as the general history of photography. Development of creative expression as it relates to the photographic medium. Six hours of activity per week. Fee required. Repeatable up to 6 units.

ART 349 Photography II- Intermediate Photography (3)
Prerequisite: ART 348.
Designed for students with introductory photography knowledge to further synthesize their photographic skills with creative concepts to create meaningful photographs. Course content will emphasize photography as a vital component of contemporary art, and a tool for social change.

ART 449 Photography III- Advanced Photography (3)
Prerequisite: ART 349.
Advanced level course that further addresses the photographic methodologies of generating a photographic portfolio within a concentration that investigates an idea of personal interests for each individual student.
Minor in Photography (12 units)

The Minor in Photography provides students with an introduction to the fundamental of photography. To complete the Minor in Photography, the following courses must be taken:

A. Lower Division Prerequisites (3)
ART 160 Introduction to Graphic Applications (3) or
ART 170 2-D Composition or equivalent (3) or equivalent.

B. Upper Division Required Courses (9)
ART 348 Digital Photography (3)
ART 349 Photography II- Intermediate Photography (3)
ART 449 Photography III- Advanced Photography (3)
College of Business Administration and Public Policy

Info Systems & Operations Management

Course Modification

CIS 372 Analysis and Logical Design
- Changed the course title to Systems Analysis and Design

Marketing & Management

Course Modification

MGT 418 International Management
- Approved for online and hybrid delivery

Catalog Copy

CIS 372 Systems Analysis and Logical Design (3).
Prerequisite: CIS 370 may be taken concurrently.
Business computing systems, with emphasis on system analysis; tools and techniques of systems study; problem definition, data requirements and analytical approaches.
Program Modifications

Master of Science in Nursing- Clinical Nurse Specialist- Parent-Child Option

- Remove MSN 527 Advanced Health Assessment
- Add MSN 521 Advanced Health Assessment (2) and MSN 522 Advanced Health Assessment Lab (1)

Master of Science in Nursing- Family Nurse Practitioner Option

- Remove MSN 527 Advanced Health Assessment
- Add MSN 521 Advanced Health Assessment (2) and MSN 522 Advanced Health Assessment Lab (1)

Master of Science in Nursing- Nurse Educator Option

- Remove MSN 527 Advanced Health Assessment
- Add MSN 521 Advanced Health Assessment (2) and MSN 522 Advanced Health Assessment Lab (1)

Parent-Child Clinical Nurse Specialist Post-Master’s Certificate

- Add MSN 514 Health Promotion
- Remove MSN 527 Advanced Health Assessment
- Add MSN 521 Advanced Health Assessment (2) and MSN 522 Advanced Health Assessment Lab (1)
- Increase certificate units from 25 units to 28 units

Master of Science in Nursing- Clinical Nurse Specialist Option- Gerontology

- Remove MSN 527 Advanced Health Assessment
- Add MSN 521 Advanced Health Assessment (2) and MSN 522 Advanced Health Assessment Lab (1)
- Add MSN 535 Clinical Management and Differential Diagnosis of Adult Acute Health Problems (3)
- Increase degree units from 40 to 43 units
- Change degree title to: MSN Clinical Nurse Specialist Option- Adult-Gerontology
Gerontology Clinical Nurse Specialist Post-Master’s Certificate

- Add MSN 514 Health Promotion
- Remove MSN 527 Advanced Health Assessment
- Add MSN 521 Advanced Health Assessment (2) and MSN 522 Advanced Health Assessment Lab (1)
- Add MSN 535 Clinical Management and Differential Diagnosis of Adult Acute Health Problems (3)
- Increase certificate units from 25 to 31 units
- Change name to: Adult-Gerontology Clinical Nurse Specialist Post-Master’s Certificate

Retired Courses

- MSN 527 Advanced Physical Assessment (3)

Course Modifications

MSN 533 Theoretical Aspects of Aging (3)

- Added required prerequisite MSN 502.
- Changed co-requisite from MSN 544 to MSN 549 for Adult-Gerontology CNS role options students only.
- Changed course description: This course provides comprehensive information on the aging population. It covers normal and abnormal aging changes. The components of Geriatric Syndromes are identified. Learners explore, clinical assessment tools, standards of care, and client outcomes, including palliative and end-of-life care.

MSN 547 Clinical Nurse Special Role performance I

- Changed prerequisites from: MSN 502, 527, 528 and 530 to MSN 502, 513, 514, 521, 522, 526, 528, 530, 531
- Changed course description: 144 clinical hour practicum to apply theories for execution of CNS role in clinical settings with a specialty/population focus. Under supervision, the student is provided opportunities for role socialization, exploration of CNS responsibilities, and development of novice competencies.

MSN 548 Clinical Nurse Specialist Role Performance II (3)

- Added co-requisites: MSN 523 or MSN 535.
- Changed course description: This 144 hour practicum requires the application of evidence-based practice and education principles in the clinical setting. Students will focus on health problems commonly encountered in the population of focus.
**MSN 549 Clinical Nurse Specialist Role Performance III (4)**

- Changed prerequisites from: MSN 523 or 533 and MSN 548 to: MSN 550, 547 and 548.
- Changed course description: This 212 hour practicum focuses on the CNS role in managing clinical outcomes. Students will provide consultation and wellness services, explore clinical concerns at the organizational level, and prepare for professional practice as a CNS.

**MSN 550 Theoretical Foundations of Clinical Nurse Specialist Practice (3)**

- Changed prerequisite from: MSN 502, 527 and 530 to: MSN 502, 513, 514, 521, 522, 526, 528, 530, 531
- Changed course description: A conceptual basis of advanced nursing practice for the Clinical Nurse Specialist (CNS) role is established. Students will learn CNS practice models, family theories, leadership theories, decision-making models, organizational theories, change management, care coordination and management of transitions of care.

**New Courses**

- MSN 521 Advanced Health Assessment (2)
- MSN 522 Advanced Health Assessment Lab (1)
- MSN 535 Clinical management and Differential Diagnosis of Adult Acute Health Problems (3)

**Catalog Copy**

**MSN 521 Advanced Health Assessment (2)**

Prerequisite: MSN 502 is recommended. Co-requisite: MSN 522. Examine theoretical knowledge to perform a comprehensive health history and advanced health assessment. Analysis and synthesis of subjective and objective data to identify health problems and develop management plans. Health promotion risk factor identification and recognition of common abnormalities explored.

**MSN 522 Advanced Health Assessment Lab (1)**

Prerequisite: MSN 502 is recommended. Co-requisite: MSN 521. Application of advanced physical assessment skills and knowledge necessary to perform a comprehensive health assessment. Hands-on supervised skills workshop integrates systematic assessment principles, appropriate health assessment techniques, guidelines and considerations for patients across the lifespan.
**MSN 533 Theoretical Aspects of Aging (3)**
Prerequisite MSN 502. Co-requisite: MSN 549 for Adult-Gerontology CNS role options students only.
This course provides comprehensive information on the aging population. It covers normal and abnormal aging changes. The components of Geriatric Syndromes are identified. Learners explore, clinical assessment tools, standards of care, and client outcomes, including palliative and end-of-life care.

**MSN 535 Clinical management and Differential Diagnosis of Adult Acute Health Problems (3)**
Prerequisites: MSN 547 and MSN 550. Co-requisite: MSN 548.
This course focuses on clinical decision making in advanced practice nursing. Students will learn the application of critical thinking and clinical judgment to differential diagnosis and management of common acute care problems in the acute and critically ill adult patient.

**MSN 547 Clinical Nurse Special Role Performance I**
Prerequisites: MSN 502, MSN 513, MSN 514, MSN 521, MSN 522, MSN 526, MSN 528, MSN 530, MSN 531. Co-requisite: MSN 550.
144 clinical hour practicum to apply theories for execution of CNS role in clinical settings with a specialty/population focus. Under supervision, the student is provided opportunities for role socialization, exploration of CNS responsibilities, and development of novice competencies.

**MSN 548 Clinical Nurse Specialist Role Performance II (3)**
Prerequisites: MSN 550 and MSN 547. MSN 513, MSN 514, MSN 526 and MSN 531 are recommended. Co-requisites: MSN 523 or MSN 535.
This 144 hour practicum requires the application of evidence-based practice and education principles in the clinical setting. Students will focus on health problems commonly encountered in the population of focus.

**MSN 549 Clinical Nurse Specialist Role Performance III (4)**
Prerequisites MSN 550, MSN 547 and MSN 548. MSN 513, MSN 514, MSN 526 and MSN 531 are recommended.
This 212 hour practicum focuses on the CNS role in managing clinical outcomes. Students will provide consultation and wellness services, explore clinical concerns at the organizational level, and prepare for professional practice as a CNS.

**MSN 550 Theoretical Foundations of Clinical Nurse Specialist Practice (3)**
Prerequisites: MSN 502, MSN 513, MSN 514, MSN 521, MSN 522, MSN 526, MSN 528, MSN 530, MSN 531. Co-requisite: MSN 547.
A conceptual basis of advanced nursing practice for the Clinical Nurse Specialist (CNS) role is established. Students will learn CNS practice models, family theories, leadership theories, decision-making models, organizational theories, change management, care coordination and management of transitions of care.
Programs

Master of Science in Nursing (MSN)

A. Program Objectives

B. Role Options

The MSN curriculum allows RN students to choose from one of five nursing role options: Nurse Administrator, Nurse Educator, Family Nurse Practitioner, Clinical Nurse Specialist – Parent-Child or Clinical Nurse Specialist – Adult-Gerontology. Those seeking to become RNs may only choose the Clinical Nurse Leader role option (MEPN program). The CNL option has a fixed curriculum pattern which must be followed as sequenced. Each student must select one of the role options upon application to the university.

C. Admission Requirements for RNs in the MSN Program

D. Admissions Criteria for the Clinical Nurse Leader Role Option in the MEPN Program

The School of Nursing is currently not accepting students into the MEPN program. For more information, please contact the School of Nursing.

E. Pathway Program for Registered Nurses with Non-Nursing BS/BA or MS/MA Degrees

F. Program Structure

The MSN program consists of 15 units of core courses, plus role emphasis courses. The total number of units varies according to the role option:

- Nurse Administrator (30 units)
- Nurse Educator (36 units) *
- Clinical Nurse Specialist Option- Adult-Gerontology (43 units)
- Clinical Nurse Specialist Option- Parent- Child (40 units)
- Family Nurse Practitioner (48 units)
- Clinical Nurse Leader (76 units)

* Nurse educators develop expertise in a nursing clinical practice area by selecting a three-unit elective in an advanced clinical focus related to parent-child or gerontology nursing. The course should be taken prior to entry into role-emphasis courses.

Courses should be completed in the sequence suggested in the MSN curriculum charts and handbooks on the School of Nursing website. Students wishing to accelerate their study or pursue full time study should seek advice and approval from their Advisor and the Graduate Coordinator.

Satisfaction of the Graduate Writing Assessment Requirement (GWAR) by the completion of 9 graduate units.

All students conclude their 30-76 units of master's preparation with a culminating activity (See MSN Degree Requirements)
MSN Degree Requirements (30-76 units)

The program requires 30-76 units of approved graduate study that includes five role options. The curriculum consists of core courses, role emphasis courses, role performance (clinical/practicum) courses, electives and the culminating experience.

Graduate Course Prerequisites

Some MSN courses require the successful completion of prerequisites not offered as part of the graduate program. However, the prerequisite courses are available as undergraduate nursing courses. See the course descriptions.

Core Courses (15 units)
MSN 502. Advanced Roles in Nursing (3)
MSN 513. Health Care Policy/Economics (3)
MSN 514. Health Promotion/Disease Prevention (3)
MSN 530. Research Utilization in Advanced Nursing Practice (3)
MSN 531. Nursing Ethics (3)

Culminating Experience (0 units)
Effective spring 2009, the culminating experience consists of a Portfolio documenting the student's achievement of the MSN program objectives and a narrated PowerPoint presentation (oral presentation). The Portfolio and PowerPoint are submitted online and the oral presentation is delivered via conference call with faculty. MSN students who elect to do the culminating activity in the semester following completion of MSN coursework must register in MSN 600 to meet the continuous enrollment requirement.

Role Options (15-61 units)

Nurse Administrator Option (15 units)
MSN 532. Nurse Administrator: Societal Institutions (3)
MSN 538. Nurse Administrator: Resource Management (3)
MSN 555. Quality Improvement in Health Care (3)
MSN 560. Nurse Administrator: Role Performance I (3)
MSN 570. Nurse Administrator: Role Performance II (3)

Nurse Educator Option (21 units)
A. Required Courses:
MSN 521 Advanced Health Assessment (2)
MSN 522 Advanced Health Assessment Lab (1)
MSN 528. Advanced Pathophysiology (3)
MSN 529. Nurse Educator: Curriculum & Teaching (3)
MSN 539. Nurse Educator: Testing & Evaluation (3)
MSN 559. Nurse Educator: Role Performance I (3)
MSN 569. Nurse Educator: Role Performance II (3)
B. Electives: Select one of the following courses (3 units):
- MSN 523. Family Assessment (3)
- MSN 533. Theories of Aging (3)

**Clinical Nurse Specialist Option- Adult- Gerontology (28 units)**
- MSN 521. Advanced Health Assessment (2)
- MSN 522. Advanced Health Assessment Lab (1)
- MSN 526. Pharmacology (3)
- MSN 528. Advanced Pathophysiology (3)
- MSN 533. Theories of Aging (3)
- MSN 535. Clinical Management and Differential Diagnosis of Adult Acute Health Problems (3)
- MSN 547. Clinical Nurse Specialist Role Performance I (3)
- MSN 548. Clinical Nurse Specialist Role Performance II (3)
- MSN 549. Clinical Nurse Specialist Role Performance III (4)
- MSN 550. Theoretical Foundations of Clinical Nurse Specialist Practice (3)

**Clinical Nurse Specialist Option- Parent Child (25 units)**
- MSN 521 Advanced Health Assessment (2)
- MSN 522 Advanced Health Assessment Lab (1)
- MSN 526. Pharmacology (3)
- MSN 528. Advanced Pathophysiology (3)
- MSN 547. Clinical Nurse Specialist Role Performance I (3)
- MSN 548. Clinical Nurse Specialist Role Performance II (3)
- MSN 549. Clinical Nurse Specialist Role Performance III (4)
- MSN 550. Theoretical Foundations of Clinical Nurse Specialist Practice (3)

**Family Nurse Practitioner Option (33 units)**
- MSN 526. Pharmacology (3)
- MSN 521 Advanced Health Assessment (2)
- MSN 522 Advanced Health Assessment Lab (1)
- MSN 528. Advanced Pathophysiology (3)
- MSN 556. Primary Care of Family I (4)
- MSN 558. Family Nurse Practitioner: Role Performance I (3)
- MSN 566. Primary Care of Family II (4)
- MSN 568. Family Nurse Practitioner: Role Performance II (3)
- MSN 576. Primary Care of Family III (4)
- MSN 578. Family Nurse Practitioner: Role Performance III (3)
- MSN 588. Family Nurse Practitioner: Role Performance IV (3)

**Clinical Nurse Leader Option (61 units)**
A. Required Courses (50 units):
- BSN 380. Health Assessment (3)
- BSN 381. Health Assessment Skills Seminar (1)
- MSN 500. Applied Nursing Science IV (2)
- MSN 505 Introduction to Pharmacology (2)
Post-master's Family Nurse Practitioner Certificate
(Graduate)

The School of Nursing is currently not accepting students into the Post-master’s Family Nurse Practitioner Certificate Program. For more information, please contact the School of Nursing. The School of Nursing offers a Post-Master's Family Nurse Practitioner Certificate for nurses with master's degrees in nursing who want to develop advanced practice knowledge and skill in primary care of the family. Included in the course of study are advanced health assessment, pharmacology, pathophysiology and comprehensive assessment and management of common acute, chronic and complex health problems across the life span within a culturally diverse environment.

Eligibility Requirements

1. Completion of a master's degree in nursing from a regionally accredited institution and NLNAC or CCNE-accredited nursing program or the equivalent as determined by the School of Nursing Student Affairs Committee.
2. Overall grade point average of 3.0 (on a four-point scale) in units attempted, or demonstrated academic ability as required by the faculty, following the appeal process.
3. Current RN licensure in the United States. Health clearance (immunity, etc.) is required prior to enrolling in a role performance course.
Course Pre-requisites: Health Assessment and Pathophysiology.

**Health Assessment:** An academic, undergraduate course with clinical lab experience or equivalent is required of Post-master's Family Nurse Practitioner Certificate students.

**Pathophysiology:** An academic, undergraduate course or equivalent course is required for Post-master's Family Nurse Practitioner Certificate students.

**Required Courses**
- MSN 521. Advanced Health Assessment (2)
- MSN 522. Advanced Health Assessment Lab (1)
- MSN 526. Pharmacology (3)
- MSN 528. Advanced Pathophysiology (3)
- MSN 556. Primary Care of Family I (4)
- MSN 558. Family Nurse Practitioner: Role Performance I (3)
- MSN 566. Primary Care of Family II (4)
- MSN 568. Family Nurse Practitioner: Role Performance II (3)
- MSN 576. Primary Care of Family III (4)
- MSN 578. Family Nurse Practitioner: Role Performance III (3)
- MSN 588. Family Nurse Practitioner: Role Performance IV (3)

**Post-master's Clinical Nurse Specialist Certificate (Graduate)**

The School of Nursing offers a Post-Master’s Certificate in CNS Parent-Child or Adult-Gerontology for nurses with master’s degrees in nursing. Included in the APRN course of study are advanced health assessment, advanced pathophysiology, pharmacology, health promotion, and management of complex care for children and families or for the adult population, from young adult to older adult, inducing the frail elderly, in various clinical and community settings. The Certificate Program consists of a total of 28 to 31 units, 16 to 19 units are specific only to the CNS.

**Eligibility Requirements:**

1. Completion of a master’s degree in nursing from a regionally accredited institution and Accreditation Commission for Education in Nursing (ACEN) (formerly NLNAC/National League for Nursing Accrediting Commission) or Commission on Collegiate Nursing Education (CCNE) accredited nursing program or the equivalent as determined by the School of Nursing Student Affairs Committee.
2. Overall grade point average of 3.0 (on a four-point scale) in units attempted, or demonstrated academic ability as required by the faculty, following the appeal process.
3. Registered nurse licensure in the United States, unencumbered, unrestricted, who no disciplinary action pending or imposed.
4. Minimum of two years clinical professional nursing experience with the specialty population (pediatric or neonatal experience for the Parent-Child; adult or geriatric experience for the Adult-Gerontology).
5. Health clearance (immunity, etc.) is required prior to enrolling in a role performance course.
CNS-Adult-Gerontology Post-Master’s Certificate (31 units)

**Required Courses**
- MSN 514. Health promotion and Disease Prevention (3)
- MSN 521. Advanced Health Assessment (2)
- MSN 522. Advanced Health Assessment Lab (1)
- MSN 526. Pharmacology (3)
- MSN 528. Advanced Pathophysiology (3)
- MSN 533. Theoretical Aspects of Aging (3)
- MSN 535. Clinical Management and Differential Diagnosis of Adult Acute Health Problems (3)
- MSN 547. Clinical Nurse Specialist Role Performance I (3)
- MSN 548. Clinical Nurse Specialist Role Performance II (3)
- MSN 549. Clinical Nurse Specialist Role Performance II (4)
- MSN 550. Theoretical Foundations of Clinical Nurse Specialist Practice (3)

CNS- Parent-Child Post-Master’s Certificate (28 units)

**Required Courses**
- MSN 514. Health promotion and Disease Prevention (3)
- MSN 521 Advanced Health Assessment (2)
- MSN 522 Advanced Health Assessment Lab (1)
- MSN 523. Family Assessment: Theory and Practice (3) (or MSN 533)
- MSN 526. Pharmacology (3)
- MSN 528. Advanced Pathophysiology (3)
- MSN 547. Clinical Nurse Specialist Role Performance I (3)
- MSN 548. Clinical Nurse Specialist Role Performance II (3)
- MSN 549. Clinical Nurse Specialist Role Performance II (4)
- MSN 550. Theoretical Foundations of Clinical Nurse Specialist Practice (3)

Post-master's Nursing Administration Certificate (Graduate)

The School of Nursing offers a Post-Master's Certificate in Nursing Administration for nurses with a master's in nursing who want to develop advanced knowledge and skills as a nurse manager or administrator in health care institutions. The study of various health care systems and all areas of management are included with emphasis on quality improvement and evidence-based administrative practices. The certificate program consists of 15 units.

**Eligibility Requirements**

1. Completion of a master's degree in nursing from a regionally accredited institution and NLNAC or CCNE-accredited nursing program or the equivalent as determined by the School of Nursing Student Affairs Committee.
2. Overall grade point average of 3.0 (on a four-point scale) in units attempted, or demonstrated academic ability as required by the faculty, following the appeal process.
3. Current licensure in the United States. Health clearance (immunity, etc.) is required prior to enrolling in a role performance course.

Required Courses (15 units)
- MSN 532. Nurse Administrator: Societal Institutions (3)
- MSN 538. Nurse Administrator: Resource Management (3)
- MSN 555. Quality Improvement in Healthcare (3)
- MSN 560. Nurse Administrator: Role Performance I (3)
- MSN 570. Nurse Administrator: Role Performance II (3)

Post-master's Nursing Education Certificate (Graduate)

The School of Nursing offers a Post-Master's Certificate in Nursing Education for nurses with master's degrees in nursing who want to develop advanced knowledge and skills in curriculum development, student and program assessment, teaching and learning. Advanced health assessment, advanced pathophysiology, curriculum development, teaching strategies, testing and evaluation, and practice teaching with a faculty preceptor are included in the program. The Certificate Program consists of a total of 21 units for students who already have master's preparation in a clinical specialty:

Eligibility Requirements:
1. Completion of a master's degree in nursing from a regionally accredited institution and NLNAC or CCNE-accredited nursing program or the equivalent as determined by the School of Nursing Student Affairs Committee.
2. Overall grade point average of 3.0 (on a four-point scale) in units attempted, or demonstrated academic ability as required by the faculty, following the appeal process.
3. Current licensure in the United States. Health clearance (immunity, etc.) is required prior to enrolling in a role performance course.

A. Required Courses (18 units):
- MSN 521 Advanced Health Assessment (2)
- MSN 522 Advanced Health Assessment Lab (1)
- MSN 528. Advanced Pathophysiology (3)
- MSN 529. Nurse Educator: Curriculum & Teaching (3)
- MSN 539. Nurse Educator: Testing & Evaluation (3)
- MSN 559. Nurse Educator: Role Performance I (3)
- MSN 569. Nurse Educator: Role Performance II (3)

B. Electives: Select one of the following courses (3 units):
- MSN 523. Family Assessment (3)
- MSN 533. Theories of Aging (3)
College of Natural and Behavioral Sciences

Biology

Course Modification

BIO 250 Elements of Human Anatomy and Physiology
- Added BIO 120 as a prerequisite.

BIO 340 Genetics
- Added BIO 220 to the required prerequisites.

Catalog Copy

BIO 250 Elements of Human Anatomy and Physiology (3)
Prerequisites: BIO 102 or BIO 120 or equivalent.
Basic principles of anatomical structure and physiological processes of human organ systems.
Not open for credit toward the Biology major. Three hours of lecture per week.

BIO 340 Genetics (3)
Prerequisites: BIO 124 and BIO 125, BIO 220, MAT 131. Recommended: CHE 310 and CHE 311 or CHE 316 and CHE 317.
Principles of heredity, gene expression at the molecular and organismic levels, variation and mutation. Three hours of lecture per week.