

Sue and Bill Gross School of Nursing

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Overview

The Sue and Bill Gross School of Nursing offers a B.S., M.S., and Ph.D. in Nursing Science, and a Doctor of Nursing Practice (D.N.P.). The baccalaureate degree is a scholarly, evidence-based, clinical practice program, preparing students to take the NCLEX-RN licensing examination upon graduation. The M.S. prepares graduate nurses with research and evidence-based practice competency; expertise in specialized concentrations of nursing practice; leadership role preparation; and health policy and advocacy skills for health promotion and disease prevention to support underserved populations. Currently, we have a Master's Entry Program in Nursing (MEPN) with a concentration in Community and Population Health Nursing, and other concentrations are under development. The Ph.D. prepares academic nurse scholars for research and teaching careers. The Ph.D. program advances the scholarly discipline of nursing through development of theory and empirical research; contributes to the growing body of knowledge in the field of nursing; and creates the future academic leaders of the nursing profession. The Doctor of Nursing Practice degree program is a professional practice-focused doctorate designed to develop competencies for advanced and clinical leadership roles in nursing and healthcare. Nurses who complete the D.N.P. program will be prepared for career opportunities in an increasingly complex and changing healthcare environment. The program design and curriculum is geared toward working nurses and capitalizes on the educational richness of the College of Health Sciences.

Degrees

Nursing	D.N.P.
Nursing Science	B.S., M.S., Ph.D.

Undergraduate Program

Nurse professionals are members of interdisciplinary teams who work with people of all ages, cultural backgrounds, and lifestyles to help them achieve the highest level of wellness possible. The Bachelor of Science degree program in Nursing Science prepares graduates to function as generalists in professional nursing practice and to collaborate with other health care providers in clinics, hospitals, and community health settings. The undergraduate curriculum is designed to provide theory and research-based clinical experiences that integrate critical thinking, compassion, and caring behaviors that build clinical expertise. Students who successfully complete the B.S. degree in Nursing Science are eligible to take the licensure examination to become a registered nurse.

Most of the courses required for the major require completion of prerequisites. The sample program shown is a preferred sequence that accounts for all prerequisites. Most required courses are offered in sequence and only once a year. Full-time enrollment is required.

All students interested in the Nursing Science major should be aware that they will be required to do the following: (1) meet the physical and mental requirements necessary to perform nursing practice functions as outlined in Chapter 6, Article 2, Item 2725 of the *Business and Professions Code of California*; (2) complete a criminal background check prior to entering the clinical portion of the major in the junior year as required by health care facilities in which students will have clinical experiences; (3) purchase uniforms and other required equipment such as stethoscopes; (4) have access to transportation for off-campus clinical experiences beginning in the junior year.

Admission to the Major

Meeting the UCI admission criteria does not guarantee admission into the major. The admission process is competitive due to limited enrollment. In addition to meeting the UCI admission criteria, all eligible applicants are required to submit a supplemental application that includes a personal statement and a résumé detailing experiences in health care. A proctored essay and personal interview may also be required.

Freshmen: Preference will be given to those who rank the highest using the selection criteria as stated in the Admissions section (<http://catalogue.uci.edu/informationforprospectivestudents/undergraduateadmissions>) of the *Catalogue*.

Transfer students: Admission to the major is limited and selective. Junior-level applicants with the highest grades overall and who satisfactorily complete course prerequisites will be given preference for admission to the Nursing Science major. The following list of prerequisites is required for transfer students applying for fall 2019 entry and beyond. All applicants must complete the following with grades of B or better: one year of general chemistry equivalent to UCI's CHEM 1A - CHEM 1B - CHEM 1C; one quarter/semester of organic chemistry equivalent to UCI's CHEM 51A; one quarter/semester of genetics equivalent to UCI's BIO SCI 97; one quarter/semester of biochemistry equivalent to UCI's BIO SCI 98; one quarter/semester of human physiology with laboratory equivalent to UCI's BIO SCI E109 and BIO SCI E112L; one quarter/semester of microbiology with laboratory equivalent to UCI's BIO SCI M122 and BIO SCI M118L; one quarter/semester of human anatomy with laboratory equivalent to UCI's BIO SCI D170; one quarter/semester of philosophy equivalent to UCI's PHILOS 4 or PHILOS 5; one quarter/semester of psychology equivalent to UCI's PSYCH 7A/PSY BEH 9; one quarter/semester of public health equivalent to UCI's PUBHLTH 1; one quarter/semester of sociology equivalent to UCI's

SOCIOL 1; and one quarter/semester of statistics equivalent to UCI's STATS 7 or STATS 8. Applicants must have a cumulative GPA of 3.0 or higher to be considered.

Change of Major: Due to strict limits on the number of students who can be admitted to the program and rigid sequencing of much of the upper-division curriculum, change-of-major students need to apply in the month of November for winter quarter admission, at the earliest in sophomore year. Students should review the UCI Change of Major Criteria website (<http://www.changeofmajor.uci.edu>) and the Sue and Bill Gross School of Nursing website (<http://www.nursing.uci.edu>) for information regarding change of major admission requirements, application instructions, and selection criteria. Change-of-major students who are intending to apply to the Sue and Bill Gross School of Nursing should be aware that the School cannot waive course prerequisites for any School of Biological Sciences or School of Physical Sciences courses, prior to admission into the Nursing Science major. As such, change of major students must adhere to the course prerequisites that these Schools have established and have published in the course descriptions that appear in the *Catalogue*.

Honors at Graduation

Honors at graduation, e.g., *cum laude*, *magna cum laude*, *summa cum laude*, are awarded to approximately the top 16 percent of the graduating seniors. To be eligible for honors, a general criterion is that students must have completed at least 72 units in residence at a University of California campus. Other important factors are considered (see Honors Recognition (<http://catalogue.uci.edu/informationforadmittedstudents/academicadvisingandhonors/#honorsopportunitiesext>)).

Requirements for the B.S. in Nursing Science

All major requirements must be passed with a C or better if taken at UCI. Students are required to take all lower- and upper-division science courses required for the major at UCI once they have matriculated at UCI. Non-science, lower-division courses required for the major that have been taken at another institution must be completed with a B or better. General education courses (not required for the major) taken at another institution must be completed with a C or better. All Nursing Science courses must be taken at UCI. Students must maintain a 2.75 GPA in their upper-division Nursing Science courses to remain in good standing. If Nursing Science students fail any courses required for the major, they should contact Student Affairs for the repeat policy. Students interested in studying abroad should contact Student Affairs.

All students must meet the University Requirements (<http://catalogue.uci.edu/informationforadmittedstudents/requirementsforabachelorsdegree>).

Major Requirements

Complete the following courses:

BIO SCI 97	Genetics
BIO SCI 98	Biochemistry
BIO SCI D170	Applied Human Anatomy
BIO SCI E109	Human Physiology
BIO SCI E112L	Physiology Laboratory
BIO SCI M122	General Microbiology
BIO SCI M118L	Experimental Microbiology Laboratory
CHEM 1A- 1B- 1C	General Chemistry and General Chemistry and General Chemistry
CHEM 51A	Organic Chemistry
PHILOS 4 or PHILOS 5	Introduction to Ethics Contemporary Moral Problems

Select one of the following:

PSY BEH 9	Introduction to Psychology
PSY BEH 11A	Psychology Fundamentals
PSY BEH 11B	Psychology Fundamentals
PSY BEH 11C	Psychology Fundamentals
PSYCH 7A	Introduction to Psychology
PSYCH 9A	Psychology Fundamentals
PSYCH 9B	Psychology Fundamentals
PSYCH 9C	Psychology Fundamentals
PSYCH 78A	Self-Identity and Society

Select one of the following:

ANTHRO 2A	Introduction to Sociocultural Anthropology
ANTHRO 2D	Introduction to Language and Culture
ANTHRO 41A	Global Cultures and Society

SOC SCI 1A	Principles in the Social Sciences
SOCIOL 1	Introduction to Sociology
SOCIOL 2	Globalization and Transnational Sociology
SOCIOL 3	Social Problems
SOCIOL 31	Self-Identity and Society
SOCIOL 44	Births, Deaths, and Migration
SOCIOL 62	Families and Intimate Relations

Select one of the following:

PSYCH 10A	Probability and Statistics in Psychology I
SOC SCI 10A	Probability and Statistics in Social Sciences I
SOCIOL 10A	Probability and Statistics
STATS 7	Basic Statistics
STATS 8	Introduction to Biological Statistics

Complete the following course:

PUBHLTH 1	Principles of Public Health
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Complete the following Nursing Science courses:

NUR SCI 110W	Frameworks for Professional Nursing Practice
NUR SCI 112LA	Foundations of Professional Practice
NUR SCI 112LB	Foundations of Professional Practice
NUR SCI 114A	Applied Pharmacology I
NUR SCI 114B	Applied Pharmacology II
NUR SCI 116	Human Growth and Development through the Lifespan
NUR SCI 118A	Human Health and Disease I
NUR SCI 118B	Human Health and Disease II
NUR SCI 120	Adult Health Care
NUR SCI 125	Research Methods and Applications in Health Care
NUR SCI 130	Maternity and Women's Health Care
NUR SCI 132	Pediatrics: Care of Children and Families
NUR SCI 135	Older Adult Health Care
NUR SCI 140	Human Behavior and Mental Health Care
NUR SCI 150	Critical and Specialty Health Care
NUR SCI 160	Leadership and Management in Health Care
NUR SCI 170	Community-Based Health Care
NUR SCI 175L	Clinical Preceptorship
NUR SCI 179A	Scholarly Concentration I
NUR SCI 179BW	Scholarly Concentration II

NOTE: Double majors with Nursing Science, Pharmaceutical Sciences, Public Health Sciences, Biomedical Engineering: Premedical, or with any of the School of Biological Sciences majors are not permitted. Students majoring in Nursing Science may not minor in Biological Sciences.

Sample Program — Nursing Science

Freshman			
Fall	Winter	Spring	Summer
CHEM 1A	CHEM 1B	CHEM 1C	N/A
PSYCH 7A or PSY BEH 9	SOCIOL 1	WRITING 39C	
PUBHLTH 1	WRITING 39B	General Education/Elective	
	General Education/Elective	General Education/Elective	
Sophomore			
Fall	Winter	Spring	Summer
BIO SCI 97	BIO SCI 98	BIO SCI D170	BIO SCI E112L
CHEM 51A	BIO SCI E109	BIO SCI M122	
PHILOS 4 or 5	STATS 7 or 8	BIO SCI M118L	
General Education/ Elective	General Education/ Elective		

Junior			
Fall	Winter	Spring	Summer
NUR SCI 110W	NUR SCI 112LB	NUR SCI 120	N/A
NUR SCI 112LA	NUR SCI 114B	NUR SCI 140	
NUR SCI 114A	NUR SCI 118B		
NUR SCI 116	NUR SCI 125		
NUR SCI 118A	NUR SCI 135		
Senior			
Fall	Winter	Spring	Summer
NUR SCI 130	NUR SCI 150	NUR SCI 170	N/A
NUR SCI 132	NUR SCI 160	NUR SCI 175L	
	NUR SCI 179A	NUR SCI 179BW	

Graduate Program

The Sue and Bill Gross School of Nursing offers the M.S. and Ph.D. in Nursing Science, and the Doctor of Nursing Practice (D.N.P). Detailed information about the degree programs follows.

Master of Science in Nursing Science

The Master of Science (M.S.) in Nursing Science at the University of California, Irvine is a graduate degree program that prepares students to lead innovations in health care delivery and elevated nursing care across practice settings. The program course work is designed to prepare graduate-educated nurses with: (1) research and evidence-based practice competency; (2) expertise in specialized concentrations of nursing practice; (3) leadership role preparation, including collaborative inter-professional team building; and (4) leadership skills in health policy to become advocates for health promotion and disease prevention efforts supporting population health. The M.S. provides students with a foundation for seamless progression into a research or practice-focused doctoral program.

Master's Entry Program in Nursing (MEPN)

Concentration in Community and Population Health Nursing (CPHN)

The MEPN Program offers graduates of non-nursing baccalaureate programs direct entry into an accelerated master's degree program, with the ability to autonomously practice nursing as an M.S.-prepared nurse upon graduation. Graduates of the program will qualify to take the national licensing examination (NCLEX) for registered nurses, be eligible for certification as a Public Health Nurse and earn a Master of Science. The master's degree program also prepares students for future research or practice-focused doctoral studies.

Consistent with the Sue and Bill Gross School of Nursing mission to provide strong research-based academic and professional programs, the new program aims to prepare excellent researchers, educators, and clinicians. Goals of the CPHN concentration are to prepare graduate nurses to lead and expand care to under-served populations in the following areas:

- Generalist nursing practice across a wide variety of healthcare settings, from acute care to community, home, and transition management;
- Nursing scholarship and evidence-based practice;
- Leadership in interprofessional health care teams;
- Innovative advancements in health care delivery, quality improvement, and improved access to care in our underserved communities.

The CPHN curriculum was designed to ensure that the nine essential core areas delineated by the American Association of Colleges of Nursing (AACN) – the umbrella organization that provides national accreditation through their Commission on Collegiate Nursing Education (CCNE) – are met throughout the program. In addition, the Quad Council and the Core Competencies for Public Health Professionals competencies for public health practice are incorporated throughout the curriculum.

Admission

Community and Population Health Nursing concentration applicants must have earned a bachelor's degree in a non-nursing university program and have a 3.0 cumulative grade point average (on a 4.0 scale). In addition, they must have completed courses in the following subjects with a C or better: statistics, psychology (preferably human development lifespan), sociology/cultural anthropology, anatomy, physiology, and microbiology with labs, and chemistry. Applicants must meet the general requirements of the UCI Graduate Division. The GRE is not required for admission to the Sue and Bill Gross School of Nursing.

Requirements

Core Curriculum

A. Complete the following:

NUR SCI 200	Research Methods and Evaluation for Evidence-Based Practice
NUR SCI 215	Health Promotion/Disease Prevention
NUR SCI 263	Frameworks for Professional Nursing Practice
NUR SCI 281	Professional Issues in Nursing

NUR SCI 282	Compassionate Care with Underserved Populations
NUR SCI 284	Scholarly Concentration

Community and Population Health Nursing Concentration Courses:

NUR SCI 200	Research Methods and Evaluation for Evidence-Based Practice
NUR SCI 215	Health Promotion/Disease Prevention
NUR SCI 262	Foundations of Professional Nursing Practice
NUR SCI 263	Frameworks for Professional Nursing Practice
NUR SCI 264A	Applied Pharmacology I
NUR SCI 264B	Applied Pharmacology II
NUR SCI 265	Older Adult Health Care
NUR SCI 266	Adult Health Care
NUR SCI 267	Human Behavior and Mental Health Nursing
NUR SCI 268A	Pathophysiology I
NUR SCI 268B	Pathophysiology II
NUR SCI 271	Community-Based Health Care
NUR SCI 272	Pediatrics: Care of Children and Families
NUR SCI 273	Maternity and Women's Health Care
NUR SCI 274	Critical and Specialty Health Care
NUR SCI 275	Clinical Preceptorship
NUR SCI 276	Leadership and Management in Health Care
NUR SCI 281	Professional Issues in Nursing
NUR SCI 282	Compassionate Care with Underserved Populations
NUR SCI 284	Scholarly Concentration
NUR SCI 294	Directed Study in Vulnerable Populations

Successful completion of required course work will advance students to M.S. candidacy the quarter prior to scheduled completion of the program. All M.S. concentration students complete a Scholarly Concentration project in an area of interest culminating in a major paper and oral presentation. Full-time M.S. students are expected to complete the program within two years.

Doctor of Philosophy in Nursing Science

Admission

To be considered for admission, applicants must have a Bachelor or Master of Science degree in Nursing from a regionally and CCNE accredited institution with degree standards equivalent to the University of California. Degrees from international programs must have accreditations satisfactory to the Graduate Division and the Sue and Bill Gross School of Nursing and be equivalent to UC educational requirements.

Applicants are required to submit transcripts showing a minimum grade point average (GPA) of 3.2 for undergraduate work and 3.5 for graduate work from an accredited institution and a scholarship record commensurate with requirements of the Graduate Division and the Sue and Bill Gross School of Nursing. Previous education at the undergraduate and/or graduate levels will be evaluated for equivalency of design, theory, and intensity as a means of determining whether the prior degree standards are equivalent to those required by the UC system. Applicants are also required to submit scores from the General Test of the Graduate Record Examination taken within the last five years as required by the Graduate Division. If English is not the applicant's first language, the applicant must demonstrate proficiency in English prior to admission commensurate with that identified by the Graduate Division for the Test of English as a Foreign Language (TOEFL) or TOEFL Internet-Based (TOEFL iBT).

Applicants who did not have a course in descriptive and inferential statistics within the last five years must complete a course similar to STATS 7 prior to admission. Applicants without an undergraduate research course are required to complete both NUR SCI 125 and NUR SCI 200. Applicants who have completed an undergraduate research course but not a graduate-level course in nursing research must complete NUR SCI 200.

In addition, applicants are required to submit:

- A statement of objectives for graduate study, career goals, and personal research goals including ways in which those goals are compatible with the UCI expected outcomes for doctoral education (please see the Ph.D. section of the School of Nursing website (<http://www.nursing.uci.edu/doctor-philosophy.asp>) for details);
- A resume or *Curriculum Vitae* detailing educational background, professional work, previous research, and volunteer work as well as other relevant information such as fluency in another language;
- Examples of scholarly work;
- Three letters of recommendation submitted on the Graduate Division Recommendation Form from persons in a supervisory role who are able to comment on academic abilities, research-related abilities/capabilities, and/or work-related experiences; and

- Evidence of licensure as a registered nurse.

A personal interview will be required of applicants considered for admission. Acceptance is based on materials submitted, research interests related to those of faculty, and results of the interview process.

Areas of Focus

The specific field of emphasis for the Ph.D. program is Nursing Science. Generally, this involves increasing the quality of life for the community that nurses serve. Consistent with faculty research expertise, the Ph.D. program will specifically promote the development of scientific and theoretical expertise that contributes to scholarly endeavors in four key areas: health promotion/disease prevention, health disparities and diversity, disease and symptom management, and health services and health policy. These areas of research emphasis intersect as they contribute to healthy communities. Emphasis will be placed on building expertise in the use of translational science methods in conjunction with traditional models for research. Research emphasis areas are described below.

Health Promotion/Disease Prevention. According to the World Health Organization (2010), health promotion is empowering others to modify and improve their health. This happens at the individual, family, and community level. Health promoting activities often lead to disease prevention. Students choosing this focus may work with UCI faculty (Nursing Science and others) on stress and coping, women's health, and obesity prevention and nutrition, to name a few specific areas.

Health Disparities and Diversity. The focus on Health Disparities acknowledges that there are individuals, families, and communities who are not equally treated in the quest for health. Many do not have equal access to quality health care nor the means to achieve an equal level of desired health outcomes. The emphasis will be to examine these health disparities among diverse populations who encounter differences in treatment and outcomes. Students choosing this focus will have an opportunity to work with diverse community members in Orange County and beyond, and they will be mentored by researchers who study the experiences of these community members.

Disease and Symptom Management. Many individuals face challenges in managing chronic illness. The focus is to aid individuals to be healthy within the context of living with a chronic illness by investigating factors influencing self-management and developing best intervention strategies for symptom management. Students choosing this focus will have an opportunity to study chronic illness demands and the experiences, coping efforts, and challenges that patients face. Research at UCI covers a wide variety of diseases such as asthma, diabetes, congestive heart failure, peripheral vascular disease, mental illness, dementia, cancer, and other illnesses.

Health Services and Health Policy. Health policy and the economics of delivering health care are important issues affecting health outcomes. Students choosing this focus will have an opportunity to examine the implications of a variety of policies and services on health and health system outcomes. There will be opportunities to study with researchers who have expertise in health care system management, law, organizational theory and behavior, and quality of care.

Requirements

Ph.D. students are required to complete 60 quarter units of formal course work selected in part by consultation with the faculty advisor, subject to review by a faculty oversight committee. These courses will cover the necessary fundamental and methodological principles, and accommodate cross-disciplinary themes in nursing science. Students will also be required to participate in the educational mission of the Sue and Bill Gross School of Nursing as teaching assistants for two quarters.

Students will have two formal examinations along the process toward writing their thesis. First they will write a comprehensive examination at the end of the second year of study and following completion of required course work. The next benchmark will be the qualifying exam, in which students will advance to candidacy upon successful presentation of an original dissertation research proposal and oral defense of the proposal. Ph.D. completion requires submission of an acceptable dissertation and oral defense. The normative time to degree is five years, and the maximum time permitted is seven years.

Required Courses

NUR SCI 212	Philosophy of Science for Nursing Scholarship
NUR SCI 220	The Ecology of Healthy Communities
NUR SCI 222A- 222B	Seminar in Clinical Translational Science and Seminar in Clinical Translational Science
NUR SCI 226	Theoretical and Conceptual Frameworks
NUR SCI 227A- 227B	Grant Writing I and Grant Writing II
NUR SCI 233	Appraisal and Translation of Evidence for Practice
NUR SCI 246	Qualitative Research Designs in Nursing Science
NUR SCI 247	Quantitative Research Designs in Nursing Science
NUR SCI 296	Doctoral Dissertation Reading and Writing
NUR SCI 298	Directed Studies in Nursing Science
NUR SCI 299	Independent Study in Nursing Science

NUR SCI 399	University Teaching
and either:	
SOCECOL 264A- 264B	Data Analysis and Data Analysis
or	
STATS 201- 202	Statistical Methods for Data Analysis I and Statistical Methods for Data Analysis II
or	
PSY BEH P264A- P264B	Quantitative Methods in Psychology and Advanced Quantitative Methods in Psychology

Elective Courses

At least eight units of elective courses contributing to the area of proposed research must be taken outside of Nursing Science, as well as 12 units of elective methods and statistics courses related to proposed research.

Doctor of Nursing Practice

The Doctor of Nursing Practice (D.N.P.) degree program is a professional practice-focused doctorate designed to develop competencies for advanced clinical and leadership roles in nursing and healthcare. The D.N.P. program increases opportunities for nurses to meet the demands of an increasingly complex and changing healthcare landscape. The program and innovative curriculum capitalize on the educational richness of the College of Health Sciences.

This program utilizes a hybrid educational delivery platform.

Track 1

Track 1 is designed for students have a B.S. or M.S. in nursing and are seeking a terminal practice-focused nursing degree and certification as a family nurse practitioner (FNP); this track can be completed in 11 quarters.

Track 2

Track 2 is designed for students who have an M.S. in nursing and are seeking a terminal practice-focused nursing degree without certification as a nurse practitioner (NP); this track can be completed in seven quarters.

Admission

Track 1

Applicants must have:

- Earned a bachelor's or master's degree in nursing from an accredited program
- An active, unrestricted California RN license
- At least one year full-time work (or equivalent) as a registered nurse in the U.S. prior to the start of program entry
- Completed a course in descriptive and inferential statistics with a grade of B or better within five years of admission to the program
- A complete application file including the application form, official transcripts, three letters of recommendation, and a resume or curriculum vitae
- Applicants must meet the general requirements of the UCI Graduate Division. A personal interview is required of all applicants considered for admission. The GRE is not required.

Track 2

Applicants must have:

- Earned a master's degree in nursing from an accredited program
- An active, unrestricted RN license in the state where D.N.P. practicum work will occur
- At least one year fulltime work (or equivalent) as registered nurse in the U.S. prior to the start of program entry
- Completed a course in descriptive and inferential statistics with a grade of B or better within five years admission to the program.
- A complete application file including the application form, official transcripts, three letters of recommendation, and a resume or curriculum vitae
- Applicants must meet the general requirements of the UCI Graduate Division
- A personal interview is required of all applicants considered for admission. The GRE is not required.

Program Requirements

Students enrolled in Track 1 complete 98 units and 1020 hours of clinical practice. Students enrolled in Track 2 will complete 53 units and 540 hours of clinical practice. There is no foreign language requirement; proficiency in a language other than English is desirable but not required.

In lieu of a thesis or dissertation, a Scholarly Project will be required for this professional degree. In preparation for developing this D.N.P. Scholarly Project, students will complete a D.N.P. Project Proposal and present this to their D.N.P. Committee during the D.N.P. Scholarly Project II: Proposal

course. Once approved by the Committee, the student begins implementation of their D.N.P. Scholarly Project. The D.N.P. Scholarly Project requires students to demonstrate a synthesis of evidence-based practice in a practice area specific to their specialty and interest.

The students present a final defense of the completed work to the D.N.P. Committee and invited University and community guests in their last quarter, at the conclusion of the D.N.P. epilogue course. Development of a formal manuscript suitable for publication is also required.

The normative time to degree for Track 1 is three years, with a maximum time permitted of five years. The normative time to degree for Track 2 is two years, with a maximum time permitted of four years.

Track 1 Requirements

A. Complete:

NUR SCI 200	Research Methods and Evaluation for Evidence-Based Practice
NUR SCI 210	Advanced Pathophysiology
NUR SCI 215	Health Promotion/Disease Prevention
NUR SCI 222A	Seminar in Clinical Translational Science
NUR SCI 225A	Advanced Pharmacology I
NUR SCI 225B	Advanced Pharmacology II
NUR SCI 230	Advanced Health and Physical Assessment
NUR SCI 230L	Advanced Health and Physical Assessment Laboratory
NUR SCI 231	DNP Prologue
NUR SCI 232	Leadership and Professional Collaboration in Healthcare
NUR SCI 233	Appraisal and Translation of Evidence for Practice
NUR SCI 234	Health Politics and Policy
NUR SCI 235	DNP Scholarly Project I: Conceptualization and Planning
NUR SCI 236	Social Determinants of Health and Health Equity
NUR SCI 237	DNP Intersession
NUR SCI 238	Foundations of Health Systems and Health Economics
NUR SCI 239	The Science of Change, Quality Improvement, and Program Evaluation
NUR SCI 240	DNP Scholarly Project II: Proposal
NUR SCI 241	DNP Scholarly Project III: Implementation and Evaluation
NUR SCI 242	DNP Scholarly Project IV: Implications
NUR SCI 243	DNP Epilogue
NUR SCI 245	Primary Care Adult/Gerontology Acute Common Conditions
NUR SCI 250	Primary Care Women's Health
NUR SCI 255	Primary Care Obstetrics
NUR SCI 260A	Primary Care Adult/Gerontology Chronic Conditions
NUR SCI 270	Primary Care Pediatrics
NUR SCI 279A	Frameworks for the Advanced Practice Registered Nursing Role: Nurse Practitioner
NUR SCI 282	Compassionate Care with Underserved Populations
NUR SCI 283	Primary Care Procedures
NUR SCI 285	DNP APRN Practicum I
NUR SCI 286	DNP APRN Practicum II
NUR SCI 287	DNP APRN Practicum III
NUR SCI 288	DNP APRN Practicum IV
NUR SCI 289	DNP APRN Practicum V
NUR SCI 290	DNP APRN Practicum VI

B. Select --- of the following:

NUR SCI 248	Curricular Design for the Health Professions
NUR SCI 249	Transformational Leadership in Education for the Health Professions

Track 2 Requirements

A. Complete:

NUR SCI 231	DNP Prologue
NUR SCI 232	Leadership and Professional Collaboration in Healthcare

NUR SCI 222A	Seminar in Clinical Translational Science
NUR SCI 233	Appraisal and Translation of Evidence for Practice
NUR SCI 234	Health Politics and Policy
NUR SCI 235	DNP Scholarly Project I: Conceptualization and Planning
NUR SCI 236	Social Determinants of Health and Health Equity
NUR SCI 237	DNP Intersession
NUR SCI 238	Foundations of Health Systems and Health Economics
NUR SCI 239	The Science of Change, Quality Improvement, and Program Evaluation
NUR SCI 240	DNP Scholarly Project II: Proposal
NUR SCI 241	DNP Scholarly Project III: Implementation and Evaluation
NUR SCI 242	DNP Scholarly Project IV: Implications
NUR SCI 243	DNP Epilogue
NUR SCI 248	Curricular Design for the Health Professions
NUR SCI 249	Transformational Leadership in Education for the Health Professions
NUR SCI 291	DNP Practicum I
NUR SCI 292	DNP Practicum II
NUR SCI 293	DNP Practicum III

Faculty

Miriam Bender, Ph.D. University of San Diego, *Assistant Professor of Nursing*

Jill Berg, Ph.D. University of Pittsburgh, *Professor Emerita of Nursing*

Sara Brown, Ed.D. College of Saint Mary, *Health Sciences Assistant Clinical Professor of Nursing*

Candace Burton, Ph.D. University of California, San Francisco, *Assistant Professor of Nursing*

Sarah Campbell, M.S. University of California, Irvine, *Health Sciences Assistant Clinical Professor of Nursing*

Leah Centanni, M.S.N. University of California, Irvine, *Health Sciences Assistant Clinical Professor of Nursing*

Lorraine S. Evangelista, Ph.D. University of California, Los Angeles, *Professor of Nursing*

Yuqing Guo, Ph.D. University of Washington, *Assistant Professor of Nursing*

E. Alison Holman, F.N.P., Ph.D. University of California, Irvine, *Associate Professor of Nursing*

Jung-Ah Lee, Ph.D. University of Washington, *Associate Professor of Nursing*

Bernadette M. Milbury, M.S.N. University of California, Los Angeles, *Health Sciences Assistant Clinical Professor of Nursing*

Maureen Movius, M.N. University of California, Los Angeles, *Health Sciences Associate Clinical Professor of Nursing*

Ruth A. Mulnard, D.N.Sc. University of San Diego, *Professor Emerita of Nursing*

Tiffany K. Nielsen, D.N.P. Brandman University, *Health Sciences Assistant Clinical Professor of Nursing*

Adeline Nyamathi, Ph.D. Case Western Reserve University, *Founding Dean and Distinguished Professor of Nursing*

Ellen Olshansky, Ph.D. University of California, San Francisco, *Professor Emerita of Nursing*

Susanne J. Phillips, D.N.P., F.N.P. Yale University, *Health Sciences Clinical Professor of Nursing*

Vanessa Rodriguez, M.S.N. Samuel Merritt University, *Health Sciences Assistant Clinical Professor of Nursing*

Kathleen Saunders, M.S.N. California State University, Dominguez Hills, *Health Sciences Associate Clinical Professor of Nursing*

Sanghyuk Shin, Ph.D. University of California, San Diego, San Diego State University, *Assistant Professor of Nursing*

Elizabeth Symanski, M.S. University of California, Irvine, *Health Sciences Clinical Instructor of Nursing*

Susan M. Tiso, D.N.P. George Washington University, *Health Sciences Clinical Professor of Nursing*

Courses

NUR SCI 92. Compassion in Health Care. 1 Unit.

An overview of the importance of compassion in health care, providing examples from a variety of health care professions through lectures and discussion.

Grading Option: Pass/no pass only.

NUR SCI 110W. Frameworks for Professional Nursing Practice. 5 Units.

Conceptual frameworks for professional practice. Scope of professional nursing, jurisprudence and ethics, professional interpersonal relationships, and health care delivery systems in the context of the social, political, and economic environments. Socialization of the student for professional roles in nursing.

Corequisite: NUR SCI 112LA and NUR SCI 114A and NUR SCI 118A

Prerequisite: BIO SCI D170 and BIO SCI E109. Satisfactory completion of the Lower-Division Writing requirement.

Restriction: Upper-division students only. Nursing Science Majors only.

(Ib)

NUR SCI 112LA. Foundations of Professional Practice. 3 Units.

Development of skills in communication, interviewing, functional and physical health assessment across the life span, the art and science of human care, and clinical judgment.

Corequisite: NUR SCI 110W and NUR SCI 114A and NUR SCI 118A

Prerequisite: BIO SCI E109 and BIO SCI D170

Restriction: Nursing Science Majors only.

NUR SCI 112LB. Foundations of Professional Practice. 4 Units.

Development of skills in communication, interviewing, functional and physical health assessment across the life span, the art and science of human care, and clinical judgment.

Corequisite: NUR SCI 114B and NUR SCI 118B and NUR SCI 125 and NUR SCI 135

Prerequisite: NUR SCI 112LA and NUR SCI 110W and NUR SCI 114A and NUR SCI 118A

Restriction: Nursing Science Majors only.

NUR SCI 114A. Applied Pharmacology I. 2 Units.

Presents principles of pharmacology applied to interventions in pathophysiologic states across the life span. Discussion of the major drug groups with implications for monitoring, drug administration, toxicity, and patient education are included.

Corequisite: NUR SCI 110W and NUR SCI 118A and NUR SCI 112LA

Prerequisite: BIO SCI E109 and BIO SCI D170

Restriction: Nursing Science Majors only.

Concurrent with NUR SCI 264A.

NUR SCI 114B. Applied Pharmacology II. 2 Units.

Presents principles of pharmacology applied to interventions in pathophysiologic states across the life span. Discussion of the major drug groups with implications for monitoring, drug administration, toxicity, and patient education are included.

Corequisite: NUR SCI 118B and NUR SCI 112LB and NUR SCI 125 and NUR SCI 135

Prerequisite: NUR SCI 114A and NUR SCI 118A and NUR SCI 110W and NUR SCI 112LA

Restriction: Nursing Science Majors only.

Concurrent with NUR SCI 264B.

NUR SCI 116. Human Growth and Development through the Lifespan. 4 Units.

Examines theories and concepts of typical human development throughout the life cycle, from the time of conception through adulthood, and familiarizes students with the many forces that shape individual development, including family, society, and culture.

Prerequisite: PSYCH 7A or PSY BEH 9. PSYCH 7A with a grade of C or better. PSY BEH 9 with a grade of C or better

Repeatability: May be taken for credit 2 times.

Restriction: Program in Nursing Science students only.

NUR SCI 118A. Human Health and Disease I. 2 Units.

Presents content on pathologic alterations in physiologic processes in cells, tissues, organs, and systems across the life span. Emphasis on critical thinking, application of concepts to clinical practice, and related research.

Corequisite: NUR SCI 114A and NUR SCI 112LA and NUR SCI 110W

Prerequisite: BIO SCI E109 and BIO SCI D170

Restriction: Nursing Science Majors only.

Concurrent with NUR SCI 268A.

NUR SCI 118B. Human Health and Disease II. 2 Units.

Presents content on pathologic alterations in physiologic processes in cells, tissues, organs, and systems across the life span. Emphasis on critical thinking, application of concepts to clinical practice, and related research.

Corequisite: NUR SCI 114B and NUR SCI 112LB and NUR SCI 125 and NUR SCI 135

Prerequisite: NUR SCI 112LA and NUR SCI 114A and NUR SCI 118A and NUR SCI 110W

Restriction: Nursing Science Majors only.

Concurrent with NUR SCI 268B.

NUR SCI 120. Adult Health Care. 8 Units.

Restorative, perioperative, supportive care of adults with acute/chronic alterations in oxygenation, regulation, immune response, elimination, metabolism, mobility, cognition, and substance abuse. Concurrent practicum occurs in inpatient medical-surgical units, perioperative units and outpatient clinics utilizing critical thinking and research skills.

Corequisite: NUR SCI 140

Prerequisite: NUR SCI 112LB and NUR SCI 114B and NUR SCI 118B and NUR SCI 125 and NUR SCI 135

Restriction: Nursing Science Majors only.

Concurrent with NUR SCI 266.

NUR SCI 125. Research Methods and Applications in Health Care. 4 Units.

Foundational concepts of research in health care. Emphasizes critical evaluation and interpretation of research for application in practice.

Corequisite: NUR SCI 112LB and NUR SCI 114B and NUR SCI 118B and NUR SCI 135

Prerequisite: NUR SCI 110W and NUR SCI 112LA and NUR SCI 114A and NUR SCI 118A. And a basic statistics course.

Restriction: Nursing Science Majors only.

NUR SCI 130. Maternity and Women's Health Care. 8 Units.

Provides didactic and clinical experiences in nursing management of women's wellness across the lifespan, the childbirth process, and newborn care. Incorporates concepts of family-centered care, teamwork and collaboration, patient safety, quality improvement and informatics, utilizing an evidence-based practice approach.

Corequisite: NUR SCI 132

Prerequisite: NUR SCI 120 and NUR SCI 140 and PSYCH 120D

Restriction: Nursing Science Majors only.

Concurrent with NUR SCI 273.

NUR SCI 132. Pediatrics: Care of Children and Families. 7 Units.

Provides didactic and clinical experiences in nursing management of infants, children, and adolescents with acute, chronic and/or life-threatening conditions. Incorporates concepts of family-centered care, teamwork and collaboration, patient safety, quality improvement and informatics, utilizing an evidence-based practice approach.

Corequisite: NUR SCI 130

Prerequisite: NUR SCI 120 and NUR SCI 140 and PSYCH 120D

Restriction: Nursing Science Majors only.

Concurrent with NUR SCI 272.

NUR SCI 135. Older Adult Health Care. 2 Units.

Theories of aging and application of principles of gerontology in health maintenance of older adults. Concepts and principles of rehabilitation and palliative care.

Corequisite: NUR SCI 112LB and NUR SCI 114B and NUR SCI 118B and NUR SCI 125

Prerequisite: NUR SCI 112LA and NUR SCI 114A and NUR SCI 118A and NUR SCI 110W

Restriction: Nursing Science Majors only.

Concurrent with NUR SCI 265.

NUR SCI 140. Human Behavior and Mental Health Care. 7 Units.

Biopsychosocial and cultural influences on promotion and restoration of mental health in adults and adolescents. Assessment, classification, and care of clients with mental health problems and/or substance abuse. Concurrent practicum in adult/adolescent inpatient psychiatric units and outpatient mental health clinics.

Corequisite: NUR SCI 120

Prerequisite: NUR SCI 112LB and NUR SCI 114B and NUR SCI 118B and NUR SCI 125 and NUR SCI 135

Restriction: Nursing Science Majors only.

Concurrent with NUR SCI 267.

NUR SCI 150. Critical and Specialty Health Care. 6 Units.

Delivery of patient-centered care for individuals with life-threatening alterations in health status utilizing technology and pharmacology for life support. Concurrent practicum in critical care units emphasizes collaboration, team work, and quality improvement in safe care delivery.

Corequisite: NUR SCI 160 and NUR SCI 179A

Prerequisite: NUR SCI 130 and NUR SCI 132

Restriction: Nursing Science Majors only.

Concurrent with NUR SCI 274.

NUR SCI 160. Leadership and Management in Health Care. 4 Units.

Principles, concepts, and theories related to organizations, management, leadership, decision-making, and group process applied to the delivery of health care. The professional nurse using evidenced-based practice, collaboration, and informatics is incorporated in concurrent practicum emphasizing safe patient care delivery.

Corequisite: NUR SCI 150 and NUR SCI 179A

Prerequisite: NUR SCI 130 and NUR SCI 132

Restriction: Nursing Science Majors only.

Concurrent with NUR SCI 276.

NUR SCI 170. Community-Based Health Care. 6 Units.

Epidemiology, primary health care promotion, and disease prevention applied to nursing care of individuals, families, groups, and communities. Includes sociocultural, political, economic, and environmental influences. Concepts and methods of assessing populations and communities incorporated in concurrent practicum.

Corequisite: NUR SCI 175L and NUR SCI 179BW

Prerequisite: NUR SCI 150 and NUR SCI 160 and NUR SCI 179A

Restriction: Nursing Science Majors only.

Concurrent with NUR SCI 271.

NUR SCI 175L. Clinical Preceptorship. 6 Units.

Independent study course focusing on critical thinking skills for nursing practice in selected clinical areas of interest to the student. The clinical experience focuses on core competencies: patient-centered care, evidence-based practice, quality improvement, safety, and informatics.

Corequisite: NUR SCI 170 and NUR SCI 179BW

Prerequisite: NUR SCI 150 and NUR SCI 160 and NUR SCI 179A

Grading Option: Pass/no pass only.

Restriction: Nursing Science Majors only.

Concurrent with NUR SCI 275.

NUR SCI 179A. Scholarly Concentration I. 2 Units.

Independent study focusing on the research process to provide the evidence basis for a nursing protocol in an area of interest to the student.

Corequisite: NUR SCI 150 and NUR SCI 160

Prerequisite: NUR SCI 130 and NUR SCI 132

Restriction: Nursing Science Majors only.

NUR SCI 179BW. Scholarly Concentration II. 2 Units.

Continuation of independent research with emphasis on preparation of a paper detailing the research process and findings.

Corequisite: NUR SCI 170 and NUR SCI 175L

Prerequisite: NUR SCI 179A

Restriction: Nursing Science Majors only.

(Ib)**NUR SCI 199. Independent Study in Nursing Science. 1-4 Units.**

Original research with Nursing Science faculty.

Repeatability: May be repeated for credit unlimited times.

NUR SCI 200. Research Methods and Evaluation for Evidence-Based Practice. 3 Units.

Clinical research methods and evaluation procedures relevant to evidence-based advanced nursing practice.

Prerequisite: Undergraduate statistics course; undergraduate nursing research course.

Repeatability: May be taken for credit 2 times.

Restriction: Graduate students only.

NUR SCI 210. Advanced Pathophysiology. 3 Units.

Principles of normal body functioning and pathophysiologic changes that occur as a result of compensatory mechanisms and disease. Physical and psychological aspects of altered health are explored from the cellular to the level of the total body system.

Repeatability: May be taken for credit 2 times.

Restriction: Graduate students only.

NUR SCI 212. Philosophy of Science for Nursing Scholarship. 4 Units.

Development of philosophy of science in relation to nursing science, scholarship, and practice; emphasis on inquiry, scientific reasoning, and contemporary philosophical thought; historical and contemporary influences on nursing science theory development; evaluation/analysis of interdisciplinary theory and application to nursing research.

Restriction: Graduate students only.

NUR SCI 215. Health Promotion/Disease Prevention. 3 Units.

Covers the evidence-based national clinical preventive services guidelines for health promotion and disease prevention. Emphasizes counseling about personal health behaviors, screening tests for the early detection of risk factors and disease, immunizations and chemo-prophylaxis.

Restriction: Graduate students only.

NUR SCI 220. The Ecology of Healthy Communities. 2 Units.

Nursing science research contributions and opportunities as they pertain to the ecology of health in local, national, and global communities. Emphasis on methodological and ethical issues, research gaps, and clinical translational opportunities.

Restriction: Graduate students only.

NUR SCI 222A. Seminar in Clinical Translational Science. 2 Units.

Discussion of clinical translational science methods in the context of nursing science research. Emphasis placed on interdisciplinary and community participatory research approaches.

Prerequisite: Consent of the instructor is required.

Restriction: Graduate students only.

NUR SCI 222B. Seminar in Clinical Translational Science. 2 Units.

Discussion of clinical translational science methods in the context of nursing science research. Emphasis placed on interdisciplinary and community participatory research approaches. Course may be offered online.

Prerequisite: NUR SCI 222A

Restriction: Graduate students only.

NUR SCI 225A. Advanced Pharmacology I. 3 Units.

Principles of pharmacology that serve as a foundation for the pharmacotherapeutic management of patients evaluated and treated by advanced practice nurses. Emphasis includes the application of pharmacokinetic and pharmacodynamic principles.

Repeatability: May be taken for credit 2 times.

Restriction: Graduate students only.

NUR SCI 225B. Advanced Pharmacology II. 2 Units.

Principles of pharmacology that serve as a foundation for the pharmacotherapeutic management of patients evaluated and treated by advanced practice nurses. Emphasis includes the application of pharmacokinetic and pharmacodynamic principles.

Prerequisite: NUR SCI 225A. NUR SCI 225A with a grade of B or better

Repeatability: May be taken for credit 2 times.

Restriction: Graduate students only.

NUR SCI 226. Theoretical and Conceptual Frameworks. 4 Units.

Explores the history, roles, and uses of theory in nursing and health scholarship. Students examine, analyze, and utilize the components of theory, theory construction, concept analysis, and theory evaluation.

Restriction: Graduate students only.

NUR SCI 227A. Grant Writing I. 4 Units.

Introduction to the principles and methods of proposal writing used in preparing grant proposals. Provides content on the process for good proposal development, key elements and sections of proposal, necessary information to include in grant proposal and development of budget.

Prerequisite: NUR SCI 212 and NUR SCI 233 and NUR SCI 226 and NUR SCI 246 and NUR SCI 247

Restriction: Graduate students only.

NUR SCI 227B. Grant Writing II. 2 Units.

Provides a continuation of skill building in preparing a grant proposal, with emphasis on developing the educational training plan, budget and budget justification, the IRB and ethics component, and letters of support for a career-development grant.

Prerequisite: NUR SCI 227A. NUR SCI 227A with a grade of B or better

Restriction: Graduate students only.

NUR SCI 230. Advanced Health and Physical Assessment. 3 Units.

Application of theoretical concepts related to comprehensive health assessment of patients across the lifespan. Analysis, synthesis, and application of comprehensive health assessment data.

Corequisite: NUR SCI 230L

Restriction: Graduate students only.

NUR SCI 230L. Advanced Health and Physical Assessment Laboratory. 1 Unit.

Clinical laboratory course for the application of concepts related to comprehensive health assessment of patients across the lifespan.

Corequisite: NUR SCI 230

Repeatability: May be taken for credit 2 times.

Restriction: Graduate students only.

NUR SCI 231. DNP Prologue . 2 Units.

Introduction to the Doctor of Nursing Practice (DNP) Program. Provides students with an immersive learning experience that exposes them to the educational foundation needed for academic success. Delivered onsite with real-time and virtual activities.

Repeatability: May be taken for credit 2 times.

Restriction: Graduate students only.

NUR SCI 231L. Clinical Reasoning Competency Assessment . 1 Unit.

Hybrid lab course that focuses on comprehensive clinical application of advanced practice registered nursing physical assessment skills. Emphasis is placed on critical decision-making skills in synthesizing and analyzing assessment data at the APRN level.

Prerequisite: NUR SCI 230 and NUR SCI 230L. NUR SCI 230 with a grade of B or better. NUR SCI 230L with a grade of B or better

Repeatability: May be taken for credit 2 times.

Restriction: Graduate students only.

NUR SCI 232. Leadership and Professional Collaboration in Healthcare. 4 Units.

Explore and debate the relationship between various leadership and collaboration models, theories health care practice, and outcomes. Prepares DNP graduates to assume leadership roles across the healthcare spectrum.

Repeatability: May be taken for credit 2 times.

Restriction: Graduate students only.

NUR SCI 233. Appraisal and Translation of Evidence for Practice . 3-4 Units.

Provides advanced concepts on research methods and measurement strategies that are applicable to support the advanced practice nurse to access, evaluate, and utilize data from various sources including research, quality improvement initiatives, and information technology origins to achieve improvements.

Prerequisite: Consent of the instructor is required.

Repeatability: May be taken for credit 2 times.

Restriction: Graduate students only.

NUR SCI 234. Health Politics and Policy. 4 Units.

Overview of past and current health policy related literature and research. Provides students opportunity to critically analyze basic concepts, principles, and consequences of policy options for achieving selected health services goals across the spectrum of health systems.

Repeatability: May be taken for credit 2 times.

Restriction: Graduate students only.

NUR SCI 235. DNP Scholarly Project I: Conceptualization and Planning . 1 Unit.

Students gain the knowledge, skills, and abilities necessary to develop an evidence-based project plan and proposal. Structured didactic content and application of the Student's DNP Scholarly Project. First of four DNP Scholarly Project courses.

Repeatability: May be taken for credit 2 times.

Restriction: Graduate students only.

NUR SCI 236. Social Determinants of Health and Health Equity . 3 Units.

The four components of the Clinical Prevention and Population Health Framework: evidence-based practice, clinical preventive service and health promotion, health systems and policy, and population health and community aspects of practice with emphasis on ethical care delivery.

Repeatability: May be taken for credit 2 times.

Restriction: Graduate students only.

NUR SCI 237. DNP Intersession. 2 Units.

Provides DNP students an opportunity to present and receive faculty and peer feedback on their DNP project plan. Recommendations related to practical data collection and information gathering approaches and data analysis are also emphasized.

Prerequisite: NUR SCI 235. NUR SCI 235 with a grade of B or better

Repeatability: May be taken for credit 2 times.

Restriction: Graduate students only.

NUR SCI 238. Foundations of Health Systems and Health Economics. 3 Units.

Foundational understanding of how healthcare is financed in the U.S. Explores economic theories and policies, various types of healthcare organizations, and healthcare delivery systems. Healthcare finance is discussed at national and practice levels.

Repeatability: May be taken for credit 2 times.

Restriction: Graduate students only.

NUR SCI 239. The Science of Change, Quality Improvement, and Program Evaluation. 4 Units.

Intro to science of quality improvement and program evaluation. Focus on info system technology and its application in quality improvement. Focus placed on the role of the advanced practice nurse leader in developing and leading clinical quality and safety initiatives.

Repeatability: May be taken for credit 2 times.

Restriction: Graduate students only.

NUR SCI 240. DNP Scholarly Project II: Proposal. 1 Unit.

Developing a full proposal that reflects synthesis of the student's knowledge from prior coursework and work in an area of interest or expertise under the direction of a faculty mentor. Second of four DNP Scholarly Project course sequence.

Prerequisite: NUR SCI 237. NUR SCI 237 with a grade of B or better

Restriction: Graduate students only. Consent of instructor required to enroll.

NUR SCI 241. DNP Scholarly Project III: Implementation and Evaluation. 1 Unit.

Continued development of knowledge, skills, and abilities to implement the chosen DNP proposal. Students receive direction from a faculty mentor and peer feedback as they become engaged in the microsystem where they are implementing their DNP Scholarly Project.

Prerequisite: NUR SCI 240. NUR SCI 240 with a grade of B or better

Restriction: Graduate students only.

NUR SCI 242. DNP Scholarly Project IV: Implications . 1 Unit.

Selection and implementation of evidence-based interventions supported through informatics and technological advances and measurement of outcomes in a selected practicum site as applicable. Includes reflection and mapping of the DNP Scholarly Project with DNP Essentials as published.

Prerequisite: NUR SCI 241. NUR SCI 241 with a grade of B or better

Restriction: Graduate students only.

NUR SCI 243. DNP Epilogue. 2 Units.

DNP students develop DNP competency through the presentation of their project and development of a professional manuscript. Individual direction from the DNP Project Team and peer feedback are provided throughout the course.

Prerequisite: NUR SCI 242. NUR SCI 242 with a grade of B or better

Restriction: Graduate students only.

NUR SCI 245. Primary Care Adult/Gerontology Acute Common Conditions . 3 Units.

Assessment and management of acute or episodic problems affecting patients and families across the lifespan. Diagnostics, pharmacology, pathophysiology, and therapeutics are integrated. Concepts of quality health care, resource management, and shared-decision making are emphasized.

Prerequisite: NUR SCI 210 and NUR SCI 230. NUR SCI 210 with a grade of B or better. NUR SCI 230 with a grade of B or better

Restriction: Graduate students only.

NUR SCI 245A. Primary Care. 3 Units.

Assessment and management of acute or episodic problems affecting patients and families across the lifespan. Diagnostics, pharmacology, pathophysiology, and therapeutics are integrated.

Prerequisite: NUR SCI 210 and NUR SCI 230

Restriction: Adlt/Geron Pri Care Nurse Prac Majors only. Family Nurse Practitioner Majors only.

NUR SCI 245B. Primary Care. 3 Units.

Assessment and management of acute or episodic problems affecting patients and families across the lifespan. Diagnostics, pharmacology, pathophysiology, and therapeutics are integrated.

Prerequisite: NUR SCI 245A

Restriction: Adlt/Geron Pri Care Nurse Prac Majors only. Family Nurse Practitioner Majors only.

NUR SCI 246. Qualitative Research Designs in Nursing Science. 4 Units.

Seminar in qualitative research philosophies, methods, and analysis in nursing science clinical research. Consideration of population access and sampling, ethics, data management, analytical approaches, and translational potential.

Restriction: Graduate students only.

NUR SCI 247. Quantitative Research Designs in Nursing Science. 4 Units.

Seminar in experimental and survey research designs, methods, and analysis in nursing science clinical research. Consideration of measurement issues, mixed methods models, population access and sampling, data management, analytical approaches, and translational potential.

Prerequisite: NUR SCI 212

Restriction: Graduate students only.

NUR SCI 248. Curricular Design for the Health Professions. 3 Units.

Introduces students to the theoretical foundations, essential components, and accreditation standards for curriculum development at the program level. Outcome competencies are addressed as they apply to the development and evaluation of an educational program to meet society's diverse healthcare needs.

Restriction: Graduate students only.

NUR SCI 249. Transformational Leadership in Education for the Health Professions. 4 Units.

Students are introduced to the role of the nurse educator as change agent, leader, and scholar and provided experience in planning learner-centered learning activities that are engaging and effective in achieving desired student performance.

Restriction: Graduate students only.

NUR SCI 250. Primary Care Women's Health. 2 Units.

Primary health care needs of women including adolescent, adult, and aging adults. Emphasizes assessment, diagnosis, prevention, management, and education of common gynecologic and family planning health care needs.

Prerequisite: NUR SCI 210 and NUR SCI 230. NUR SCI 210 with a grade of B or better. NUR SCI 230 with a grade of B or better

Restriction: Graduate students only. Consent of instructor required to enroll.

NUR SCI 255. Primary Care Obstetrics. 2 Units.

Assessment and management of women during pregnancy. Diagnostics, pharmacology, pathophysiology and therapeutics are integrated. Includes assessment, differential diagnosis, management, patient/family education, and counseling related to normal pregnancy care.

Prerequisite: NUR SCI 210 NUR SCI 230. NUR SCI 210 with a grade of B or better. NUR SCI 230 with a grade of B or better

Restriction: Graduate students only. Consent of instructor required to enroll.

NUR SCI 260A. Primary Care Adult/Gerontology Chronic Conditions . 3 Units.

Assessment and management of acute or episodic problems affecting adult and geriatric patients and their families. Diagnostics, pharmacology, pathophysiology, and therapeutic are integrated.

Prerequisite: NUR SCI 245. NUR SCI 245 with a grade of B or better

Restriction: Graduate students only. Consent of instructor required to enroll.

NUR SCI 260B. Primary Care Adult/Geriatric. 3 Units.

Assessment and management of acute or episodic problems affecting adult and geriatric patients and their families. Diagnostics, pharmacology, pathophysiology, and therapeutic are integrated.

Prerequisite: NUR SCI 260A

Restriction: Adlt/Geron Pri Care Nurse Prac Majors only. Family Nurse Practitioner Majors only.

NUR SCI 262. Foundations of Professional Nursing Practice. 4 Units.

Focuses on the development of skills in therapeutic communication, interviewing, functional assessment across the lifespan, the art and science of human care, and clinical judgment. Faculty-facilitated, participatory peer group, and self-learning laboratory activities are included.

Restriction: Nursing Science, Community and Population Health Nursing Majors only.

NUR SCI 263. Frameworks for Professional Nursing Practice. 4 Units.

A theory-intensive course focused on conceptual frameworks for professional nursing practice. Topics address the professional, political, and economic contexts of nursing practice, with an emphasis on jurisprudence and ethics, professional interpersonal relationships, and nursing's role in the care delivery system.

Restriction: Graduate students only.

NUR SCI 264A. Applied Pharmacology I. 2 Units.

Principles of pharmacology applied to intervention in pathophysiologic states across the life span. Discussion of the major drug groups with implications for monitoring, drug administration, toxicity, and patient education included. Physical, psychological, social, and cultural factors affecting drug administration.

Restriction: Nursing Science, Community and Population Health Nursing Majors only.

Concurrent with NUR SCI 114A.

NUR SCI 264B. Applied Pharmacology II. 2 Units.

Principles of pharmacology applied to intervention in pathophysiologic states across the life span. Discussion of the major drug groups with implications for monitoring, drug administration, toxicity, and patient education included. Physical, psychological, social, and cultural factors affecting drug administration.

Restriction: Nursing Science, Community and Population Health Nursing Majors only.

Concurrent with NUR SCI 114B.

NUR SCI 265. Older Adult Health Care. 2 Units.

Analyzes the interaction of physical, pathophysiological, psychological, social, cultural, and health care policy factors influencing the health and health care of older adults. Topics include health risk factors, health assessment, acute illness and chronic conditions, and ethical issues.

Restriction: Nursing Science, Community and Population Health Nursing Majors only.

Concurrent with NUR SCI 135.

NUR SCI 266. Adult Health Care . 8 Units.

Focuses on the restorative, peri-operative, and supportive nursing management of adults with acute or chronic alterations in oxygenation, regulation, immune response, elimination, metabolism, mobility, cognition, and substance abuse. Diagnostics, pharmacology, pathophysiology, and therapeutics will be integrated.

Prerequisite: NUR SCI 200 and NUR SCI 262 and NUR SCI 264A and NUR SCI 264B and NUR SCI 268A and NUR SCI 268B and NUR SCI 265 and NUR SCI 281

Restriction: Nursing Science, Community and Population Health Nursing Majors only.

Concurrent with NUR SCI 120.

NUR SCI 267. Human Behavior and Mental Health Nursing . 7 Units.

Focuses on nursing management of individuals across the lifespan with alterations in mental health. Mental health promotion and crisis intervention, chemical dependency, acute and chronic care for psychiatric conditions, rehabilitation, and recovery will be addressed.

Prerequisite: NUR SCI 200 and NUR SCI 262 and NUR SCI 264A and NUR SCI 264B and NUR SCI 268A and NUR SCI 268B and NUR SCI 265 and NUR SCI 281

Restriction: Nursing Science, Community and Population Health Nursing Majors only.

Concurrent with NUR SCI 140.

NUR SCI 268A. Pathophysiology I . 2 Units.

Focuses on pathologic alterations in physiologic processes in cells, tissues, organs, and systems across the life span. Content includes disease processes, linkage of relevant physiology to disease states, and factors that influence epidemiology and pathophysiology.

Restriction: Nursing Science, Community and Population Health Nursing Majors only.

Concurrent with NUR SCI 118A.

NUR SCI 268B. Pathophysiology II . 2 Units.

Focuses on pathologic alterations in physiologic processes in cells, tissues, organs, and systems across the life span. Content includes disease processes, linkage of relevant physiology to disease states, and factors that influence epidemiology and pathophysiology.

Prerequisite: NUR SCI 268A

Restriction: Nursing Science, Community and Population Health Nursing Majors only.

Concurrent with NUR SCI 118B.

NUR SCI 270. Primary Care Pediatrics. 2 Units.

Assessment and management of acute or episodic problems affecting pediatric patients and their families. Diagnostics, pharmacology, pathophysiology, and therapeutics are integrated.

Prerequisite: NUR SCI 210 and NUR SCI 230. NUR SCI 210 with a grade of B or better. NUR SCI 230 with a grade of B or better

Restriction: Graduate students only. Consent of instructor required to enroll.

NUR SCI 271. Community-Based Health Care . 6 Units.

Epidemiology, primary health care promotion, and disease prevention applied to nursing care of individuals, families, groups, and communities. Includes sociocultural, political, economic, and environmental influences. Concepts and methods of assessing populations and communities incorporated in concurrent practicum.

Prerequisite: NUR SCI 215 and NUR SCI 274 and NUR SCI 276

Restriction: Nursing Science, Community and Population Health Nursing Majors only.

Concurrent with NUR SCI 170.

NUR SCI 272. Pediatrics: Care of Children and Families. 7 Units.

Provides didactic and clinical experiences in nursing management of infants, children, and adolescents with acute, chronic, and/or life-threatening conditions. Incorporates concepts of family-centered care, teamwork and collaboration, patient safety, quality improvement and informatics, utilizing an evidence-based practice approach.

Prerequisite: NUR SCI 266 and NUR SCI 267

Restriction: Nursing Science, Community and Population Health Nursing Majors only.

Concurrent with NUR SCI 132.

NUR SCI 273. Maternity and Women's Health Care. 8 Units.

Provides didactic and clinical experiences in nursing management of women's wellness across the lifespan, the childbirth process, and newborn care. Incorporates concepts of family-centered care, teamwork and collaboration, patient safety, quality improvement and informatics, utilizing an evidence-based practice approach.

Prerequisite: NUR SCI 266 and NUR SCI 267

Restriction: Nursing Science, Community and Population Health Nursing Majors only.

Concurrent with NUR SCI 130.

NUR SCI 274. Critical and Specialty Health Care. 6 Units.

Focuses on the restorative, supportive care of individuals with life-threatening alterations in health status utilizing technology and pharmacology for life support. The course includes pathophysiology, diagnostics, monitoring, pharmacology, therapeutics, and evidence-based management interventions will be integrated.

Prerequisite: NUR SCI 272 and NUR SCI 273

Restriction: Nursing Science, Community and Population Health Nursing Majors only.

Concurrent with NUR SCI 150.

NUR SCI 275. Clinical Preceptorship. 6 Units.

Independent study course focusing on in-depth clinical nursing practice in a selected clinical area of interest to the graduate student. Students are mentored by a preceptor who is an expert clinician in the area.

Prerequisite: NUR SCI 215 and NUR SCI 274 and NUR SCI 276

Restriction: Nursing Science, Community and Population Health Nursing Majors only.

Concurrent with NUR SCI 175L.

NUR SCI 276. Leadership and Management in Health Care. 4 Units.

Explores the professional nurse as leader and manager of a health care team. Principles and theories related to organizations, leadership, decision-making, and group process are applied to the delivery of health care at the individual and population levels.

Prerequisite: NUR SCI 272 and NUR SCI 273

Restriction: Nursing Science, Community and Population Health Nursing Majors only.

Concurrent with NUR SCI 160.

NUR SCI 279A. Frameworks for the Advanced Practice Registered Nursing Role: Nurse Practitioner . 2 Units.

Orientation to the scope and standards of advanced practice registered nursing pertinent to the APRN role. Principles of jurisprudence, ethics, and advocacy will be introduced along with conceptual frameworks for advanced nursing practice.

Restriction: Graduate students only.

NUR SCI 280. Aging and Chronic Illness. 3 Units.

Assessment and management of the geriatric patient. Diagnostics, pharmacology, pathophysiology, and therapeutics are integrated. Includes assessment, differential diagnosis, management, patient/family education, and counseling related to aging.

Prerequisite: NUR SCI 260B

Restriction: Adlt/Geron Pri Care Nurse Prac Majors only. Family Nurse Practitioner Majors only.

NUR SCI 281. Professional Issues in Nursing . 3 Units.

Provides an orientation to the scope and standards of master's prepared professional nursing practice. The social, political, and economic environments affecting health care delivery systems and the ethics of professional nursing practice will be analyzed.

Restriction: Adlt/Geron Pri Care Nurse Prac Majors only. Nursing Science, Community and Population Health Nursing Majors only. Family Nurse Practitioner Majors only.

NUR SCI 282. Compassionate Care with Underserved Populations. 2-3 Units.

Addresses theory/research on health risk factors (e.g., psychiatric illness, sociocultural and economic characteristics) that impact patient health and well-being across the lifespan. Emphasis is on cultural awareness, lifestyle modification, community resources, and communication/coping strategies to promote well-being.

Restriction: Graduate students only.

NUR SCI 283. Primary Care Procedures. 2 Units.

Introduces the theoretical basis for common procedures performed in primary care clinical practice. Focus includes EKG interpretation, x-ray interpretation, minor surgery, and orthopaedic procedures.

Prerequisite: NUR SCI 245. NUR SCI 245 with a grade of B or better

Restriction: Graduate students only. Consent of instructor required to enroll.

NUR SCI 284. Scholarly Concentration. 3 Units.

Independent study focusing on critique, analysis, and synthesis of research evidence as a basis for graduate practice nursing in an area of interest to the student.

Prerequisite: NUR SCI 200

Restriction: Adlt/Geron Pri Care Nurse Prac Majors only. Nursing Science, Community and Population Health Nursing Majors only. Family Nurse Practitioner Majors only.

NUR SCI 285. DNP APRN Practicum I. 2 Units.

Clinical application of theory and research related to the advanced assessment and health promotion of patients across the lifespan.

Prerequisite: NUR SCI 210 and NUR SCI 230 and (NUR SCI 230L or NUR SCI 231L). NUR SCI 210 with a grade of B or better. NUR SCI 230 with a grade of B or better. NUR SCI 230L with a grade of B or better. NUR SCI 231L with a grade of B or better

Grading Option: Satisfactory/unsatisfactory only.

Restriction: Graduate students only.

NUR SCI 286. DNP APRN Practicum II. 2 Units.

Clinical field study applying theory, research, and developing clinical skills related to the provision of care to patients and their families in increasingly complex clinical situations.

Prerequisite: NUR SCI 285. NUR SCI 285 with a grade of B or better

Grading Option: Satisfactory/unsatisfactory only.

Restriction: Graduate students only. Consent of instructor required to enroll.

NUR SCI 287. DNP APRN Practicum III. 6 Units.

Clinical application of theory and research through clinical experiences in selected primary care settings designed to provide students with competencies in the assessment, diagnosis, management, and education/counseling in selected populations.

Prerequisite: NUR SCI 286. NUR SCI 286 with a grade of B or better

Grading Option: Satisfactory/unsatisfactory only.

Restriction: Graduate students only. Consent of instructor required to enroll.

NUR SCI 288. DNP APRN Practicum IV. 7 Units.

Continued clinical application of theory and research through clinical experiences in selected primary care settings designed to provide students with competencies in the assessment, diagnosis, management, and education/counseling in selected populations.

Prerequisite: NUR SCI 287. NUR SCI 287 with a grade of B or better

Grading Option: Satisfactory/unsatisfactory only.

Restriction: Graduate students only. Consent of instructor required to enroll.

NUR SCI 289. DNP APRN Practicum V. 8 Units.

Culminating clinical experience serves as a transition from the student role to that of the advanced practice nurse.

Prerequisite: NUR SCI 288. NUR SCI 288 with a grade of B or better

Grading Option: Satisfactory/unsatisfactory only.

Restriction: Graduate students only. Consent of instructor required to enroll.

NUR SCI 290. DNP APRN Practicum VI . 4 Units.

Through continued clinical experience, students demonstrate increased responsibility and accountability for performance as an advanced practice nurse and clinical scholar, synthesizing knowledge of pathophysiology and disease management, evidence-based guidelines, anticipatory guidance, models of provider-patient communication, and provision of educational resources.

Prerequisite: NUR SCI 289. NUR SCI 289 with a grade of B or better

Grading Option: Satisfactory/unsatisfactory only.

Restriction: Graduate students only. Consent of instructor required to enroll.

NUR SCI 291. DNP Practicum I. 4-8 Units.

Implementation and evaluation of an evidence-based, DNP project in an area of advanced practice in partnership with a selected agency or organization that solves a practice problem or improves population health, educational, or performance outcomes.

Grading Option: Satisfactory/unsatisfactory only.

Restriction: Graduate students only.

NUR SCI 292. DNP Practicum II. 5-10 Units.

Implementation and evaluation of an evidence-based, DNP project in an area of advanced practice in partnership with a selected agency or organization that solves a practice problem or improves population health, educational, or performance outcomes.

Prerequisite: NUR SCI 291. NUR SCI 291 with a grade of B or better

Grading Option: Satisfactory/unsatisfactory only.

Restriction: Graduate students only. Consent of instructor required to enroll.

NUR SCI 293. DNP Practicum III. 4-8 Units.

Implementation and evaluation of an evidence-based, DNP project in an area of advanced practice in partnership with a selected agency or organization that solves a practice problem or improves population health, educational, or performance outcomes.

Prerequisite: NUR SCI 292. NUR SCI 292 with a grade of B or better

Grading Option: Satisfactory/unsatisfactory only.

Restriction: Graduate students only. Consent of instructor required to enroll.

NUR SCI 294. Directed Study in Vulnerable Populations. 1-4 Units.

Independent study that focuses on individually designed clinical learning experiences and goals within a selected vulnerable population, such as the homeless, veterans, minority groups, etc. Students work in a clinical setting addressing health care needs of the vulnerable population(s).

Prerequisite: NUR SCI 286

Grading Option: Satisfactory/unsatisfactory only.

Repeatability: May be taken for credit 2 times.

Restriction: Adlt/Geron Pri Care Nurse Prac Majors only. Nursing Science, Community and Population Health Nursing Majors only. Family Nurse Practitioner Majors only.

NUR SCI 295. Directed Study in Latino Health Care. 2-4 Units.

Independent study in Latino health care.

Prerequisite: NUR SCI 286. Spanish language skills.

Grading Option: Satisfactory/unsatisfactory only.

Repeatability: May be taken for credit 2 times.

Restriction: Adlt/Geron Pri Care Nurse Prac Majors only. Family Nurse Practitioner Majors only.

NUR SCI 296. Doctoral Dissertation Reading and Writing. 4-12 Units.

Dissertation research with Nursing Sciences faculty.

Prerequisite: Advancement to candidacy.

Repeatability: May be repeated for credit unlimited times.

Restriction: Graduate students only.

NUR SCI 298. Directed Studies in Nursing Science. 1-12 Units.

Directed study with Nursing Science faculty.

Repeatability: May be repeated for credit unlimited times.

Restriction: Graduate students only.

NUR SCI 299. Independent Study in Nursing Science. 1-12 Units.

Independent research with Nursing Science faculty.

Repeatability: May be repeated for credit unlimited times.

Restriction: Graduate students only.

NUR SCI 399. University Teaching. 4 Units.

Limited to Teaching Assistants.

Grading Option: Satisfactory/unsatisfactory only.

Repeatability: May be repeated for credit unlimited times.

Restriction: Graduate students only.