



DEPARTMENTS

Student Accessibility Services

16875 West Bernardo Drive, Suite 110 San Diego, CA 92127-1675 P: (858) 521-3967 Schedule an appointment: http://meetme.so/nutesting

STUDENT SUPPORT SERVICES

International Student Prepayment

International students admitted to National University with F-1 visas are required to pay their first three classes in advance prior to arrival and prior to checking in at the University. Tuition for these three classes is non-refundable.

TUITION AND FEES

Effective with the April 2016 term, the University may begin assessing the following fees below:

COLS: Lab fee:\$90 per lab course

SOBM: For all courses utilizing an eText, with the accompanying interactive eStudy guide:\$75 per course

POLICIES AND PROCEDURES

Non-Degree Students

Individuals interested in taking courses for academic credit but not in pursuing a degree or certificate should apply as a non-degree student. Non-degree applicants are not required to undergo a formal admissions process but must submit an application, pay the appropriate non-refundable fee, and established academic qualifications to enter the courses desired. Applicants who wish to take graduate level courses must hold a four-year or approved three-year bachelor's degree, or the equivalent, from a regionally accredited institution. Non-degree students who later decide to become degree-seeking must follow the standard admission procedures, including submission of official transcripts from all previously attended regionally accredited postsecondary institutions. Admission as a non-degree student neither implies nor guarantees admission to a degree or certificate program. Non-degree students are permitted to enroll in no more than six (6) courses or 27 quarter units. Students requesting an exception to the number of courses must submit a request via the e-form on the student web portal for exception to academic policies. Non-degree students are not eligible for financial aid.

STUDENT COMPLAINT

Student Contact Information

Hawaii Post-Secondary Education Authorization Program (HPEAP) Department of Commerce and Consumer Affairs 335 Merchant Street, Rm. 310 Honolulu, Hawaii 96813 (808) 586-7327 cca.hawaii.gov/hpeap

Prior Learning Credit

A maximum of 31.5 quarter units of upper division elective units may apply toward the baccalaureate nursing (RN-BSN) degree if a student has passed the NCLEX examination.

ACADEMIC INFORMATION FOR UNDERGRADUATE DEGREES

CAEL Portfolio

National University has developed a portfolio-based system of demonstrating that a student has achieved the course outcomes for University undergraduate courses. Credit may apply towards both the lower division and upper division credit requirements of the University's undergraduate degree programs unless specified otherwise in policy or limited by the state or jurisdiction of a student's residence.

In our Portfolio program, students demonstrate that what they already know is equivalent to what they would have learned in an equivalent college course. The program is designed to be as flexible as possible to meet students' needs. Students may have acquired this knowledge through past employment, independent reading and study, training programs or in-service courses, volunteer service, cultural or artistic pursuits, hobbies and recreational pastimes, community or religious activities, organizational memberships, adult education, non-credit courses, study abroad, military training not evaluated for credit by ACE, or other experiences. A portfolio enables students to identify and articulate this knowledge, and potentially earn credit for it. Students learn the process of identifying areas of course-equivalent learning and portfolio development skills through the PRLX2100X course offered through the Division of Extended Learning. The resulting portfolio is submitted for review by Subject Matter Experts for potential award of credit. For further information regarding the Portfolio program, please contact extlearning@nu.edu

ACADEMIC INFORMATION FOR GRADUATE DEGREES AND CREDENTIALS

Probationary Admission

Students whose undergraduate GPA was 2.0 to 2.49 may be accepted on probationary status. They are ineligible for official admission and will not be processed for degree evaluation or financial aid until they have completed a minimum of 4.5 or a maximum of 13.5 quarter units of graduate study with a cumulative GPA of 3.0. Students admitted on probationary status are not permitted to schedule more than 13.5 quarter units during the probationary period. If the first required course in a student's degree program is taken using Satisfactory/Unsatisfactory (S/U) grading criteria, the student may schedule the S/U course and additional courses that issue a letter grade. Students are not permitted to enroll in other courses until official grades have been posted to their record and their probationary status has been lifted. Students should be aware that this may mean a break in enrollment of one term (month) due to the timeframe for submission of grades by instructors. Students who fail to achieve a minimum cumulative GPA of 3.00 during the probationary period are not eligible for admission to the University. Probationary admission students are not eligible for financial aid.

Graduates of Bologna-compliant degree programs may be eligible for admission to graduate programs at National University under the following criteria:

- The graduate program to which you are seeking admission must be in the same or similar field of study as that in which you earned your undergraduate degree
The awarding institution must be a university. Students from vocational or technical institutions are not eligible for admission.
You must submit an official equivalency report from WES ("http://www.wes.org" www.wes.org) or IERF (www.ierf.org) indicating the Bologna-compliant undergraduate degree is comparable to a U.S. undergraduate degree. A credit of \$160 to cover your external evaluation costs will be issued upon the completion of your sixth academic course.
Approval of admission eligibility as determined by the Office of the Registrar

COLLEGE OF LETTERS AND SCIENCES

Program Termination

College of Letters and Science (COLS)

- Associate of Arts in Communication
- Concentration in Professional Golf Management within BA in Sport Psychology

UNDERGRADUATE DEGREE

BACHELOR OF ARTS

Modified Program

MAJOR IN STRATEGIC COMMUNICATIONS

Faculty Advisor: Louis Rumpf; (858) 642-8057; lrumpf@nu.edu

The Bachelor of Arts in Strategic Communications prepares students for leadership positions in corporate communication, public relations, advertising, and integrated marketing. The program offers a unique blend of human and professional communication theory and skills so students learn to communicate appropriately and effectively in interpersonal, intercultural, organizational, and mediated settings. Graduates can apply the strategic thinking and message creation skills they acquire to work in most industries. Skills taught will empower students to create print, presentations, and digital media messages. The program covers the theory and skills needed to exercise organizational leadership to produce communication campaigns and materials, disseminated through traditional, digital, internet, social, and emerging media. Students learn through academic work, case studies, and hands-on experience, creating messages across media platforms. Completion of the program enables graduates to succeed in positions that require strategic thinking, planning, project management, content creation, and leadership.

Program Learning Outcomes

Upon successful completion of this program, students will be able to:

- Develop communication campaign messaging strategies.
- Apply persuasion theory to communication campaigns and media messages.
- Create content that fulfills strategic communications campaign objectives.
- Explain strategic communication plans and present them online.
- Working in a group, create strategic communication messages.
- Apply research data to guide the development of strategic communication campaigns and messages.
- Develop multi-platform, multi-public message dissemination plans.
- Identify communication settings and apply appropriate theoretical precepts and practical skills to formulating messages.

Degree Requirements

To receive a Bachelor of Arts in Strategic Communications, students must complete at least 180 quarter units as follows: 76.5 units must be completed at the upper-division level, and 45 units must be completed in online residence through National University. Students must also complete a minimum 70.5 units of the University's General Education requirements. In the absence of transfer credit, additional general electives may be necessary to satisfy total units for the degree. The following courses are specific degree requirements.

Prerequisites

[2 courses; 7.5 quarter units]

ENG 101* Effective College English II (3 quarter units)
Prerequisite: ENG 100

COM 103* Public Speaking

Requirements for the Major [17 courses; 76.5 units]

Core Requirements [14 courses; 63 units]

COM 300 Interpersonal Communication
Prerequisite: ENG 101

COM 305 Intercultural Communication
Prerequisite: ENG 101

COM 310 Communication Theory
Prerequisite: ENG 101

COM 315 Communication Research Methods
Prerequisite: ENG 101

COM 324 Critical Thinking and Ethics
Prerequisite: ENG 101

COM 334 Persuasion
Prerequisite: ENG 101

COM 402 Communication Technologies
Prerequisite: ENG 101

COM 344 Organizational Communication
Prerequisite: ENG 101

COM 354 Professional Presentations
Prerequisite: ENG 101

COM 385 Interactive Storytelling
Prerequisite: ENG 101

COM 394 Strategic Writing
Prerequisite: ENG 101

COM 400 Mediated Messaging
Prerequisite: COM 385 and COM 394

COM 404 Media Management
Prerequisite: COM 400

COM 499 Communication Program Capstone
Prerequisite: Completion of 13 core and advanced core courses.

Advanced Core Requirements [3 courses; 13.5 units]

COM 441 Communication Strategies
Prerequisite: COM 334

COM 442 Communication Campaigns
Prerequisite: COM 441

COM 443 Interactive & Mobile Campaigns
Prerequisite: COM 442

MAJOR IN ENGLISH WITH SINGLE SUBJECT MATTER PREPARATION

Faculty Advisor: John Miller; (714) 429-5146; jmiller@nu.edu

The major in English with Single Subject Matter Preparation is designed to prepare students for careers teaching middle or secondary school English or language arts. The program is approved by the California Commission on Teacher Credentialing. Students, who complete this program, including the required portfolio, will not be required to take the California Subject Examination for Teachers (CSET) in English to receive their teaching credential. To fulfill the Single Subject Matter Preparation standards mandated by the state of California, the program requires additional study in certain areas beyond what is required by the regular major in English. In order to receive the equivalency letter, students must also submit a portfolio of work produced in program courses; the requirements of the portfolio are covered in ENG 300.

Program Learning Outcomes

Upon successful completion of this program, students will be able to:

- Knowledgeably discuss major writers, works, movements, and periods of the British and American literary traditions.
- Evaluate the relationship of marginalized or oppositional voices to the evolution of literary traditions and histories.
- Analyze literary works within their historical and cultural contexts.
- Analyze works of literature in the context of the conventions and histories of their genres.
- Analyze the use and effects of literary and rhetorical features of literary texts.
- Identify major critical approaches to the interpretation of works of literature.
- Compose sophisticated written works of literary analysis, incorporating appropriate close reading, research, and writing skills.
- Analyze popular media texts and their effects on consumers.
- Identify issues and challenges confronting middle and secondary school English teachers in the public schools.
- Discuss language structures, language acquisition, linguistic diversity and the development of literacy.

Degree Requirements

To receive a Bachelor of Arts in English with Single Subject Matter Preparation candidates must complete at least 180 quarter units as articulated below, 45 of which must be completed in residence at National University, 76.5 of which must be completed at the upper-division level, and a minimum 70.5 units of the University General Education requirements. In the absence of transfer credit, additional general electives may be necessary to satisfy total units for the degree. The following courses are specific degree requirements.

Preparation for the Major (5 courses; 22.5 quarter units)

COM 103* Public Speaking

ILR 260* Information Literacy
Prerequisite: ENG 100 and ENG 101

LIT 100* Introduction to Literature
Prerequisite: ENG 100 and ENG 101

THR 200* Theater Arts

ENG 201 Fiction Writing I
Prerequisite: LIT 100

or

ENG 202 Poetry Writing I
Prerequisite: LIT 100

or

ENG 203 Screenwriting I
Prerequisite: LIT 100 or ART 315

* May be used to satisfy general education requirements

Requirements for the Major (14 courses; 63 quarter units)

NOTE: ENG 300 should be taken as early in the student's program as possible; it requires a 31.5 hour observation in the public schools.

COM 360 Representation in the Media
Prerequisite: ENG 100 and ENG 101

ENG 300 English Practicum & Portfolio

ENG 350 Fundamentals of Linguistics
Prerequisite: ENG 100 and ENG 101

LIT 311 British Literature I
Prerequisite: LIT 100 and ENG 240

LIT 312 British Literature II
Prerequisite: LIT 100 and ENG 240

LIT 321 American Literature I
Prerequisite: LIT 100 and ENG 240

LIT 322 American Literature II
Prerequisite: LIT 100 and ENG 240

LIT 338 Shakespeare
Prerequisite: LIT 100 and ENG 240

LIT 345 Mythology
Prerequisite: LIT 100 and ENG 240

LIT 365 Contemporary Literary Theory
Prerequisite: ENG 240 and LIT 100

LIT 463 20th Century World Literature
Prerequisite: LIT 100 and ENG 240

Any **ONE** of the following **THREE** courses:

LIT 410 African American Literature
Prerequisite: LIT 100 and ENG 240

or

LIT 420 U.S. Latino Literature
Prerequisite: LIT 100 and ENG 240

or

LIT 460 Gender and Literature
Prerequisite: LIT 100 and ENG 240

and

LIT 498 English Capstone Course
Prerequisite: Satisfactory completion of 8 upper-division LIT courses

and

Choose any **ONE** additional upper-division Literature (LIT) course from available offerings.

Upper-Division Elective (1 course; 4.5 quarter units)

Students can use any upper-division course in the College of Letters and Sciences to fulfill the Upper-Division Elective Requirement.

Portfolio Requirement

In order to receive the Single Subject Matter Preparation equivalency letter, all students must submit a portfolio of work completed in program classes. (Note: The portfolio is not a graduation requirement.) The specific requirements of this portfolio are discussed in ENG 300. The portfolio itself is submitted upon completion of the program. Students who have completed required program coursework at other colleges or universities will need to submit work from those courses or eligible substitutions. Students or prospective students with questions about this requirement should contact the program Faculty Advisor.

BACHELOR OF SCIENCE

Modified

MAJOR IN BIOLOGY

Faculty Advisor: Mario Mota; (858) 642-8474; mmota@nu.edu

The Bachelor of Science in Biology offers personal and academic fulfillment and growth as students discover the amazing world of biology. This degree prepares students for graduate and professional study, careers in life science education, research, health sciences, and applied biology. The BS Biology provides a solid foundation in all levels of biological organization, from molecules to ecosystems. Such a comprehensive curriculum is crucial to meeting modern challenges in science, which include new and emerging diseases, rapid advances in our understanding of genetics, physiology and biodiversity, threats to species and ecosystem functioning, and global population increase and sustainability. A degree

in biology is common preparation for careers in the various medical professions, genetics, molecular and cell biology, biotechnology, microbiology, conservation biology, evolutionary biology, ecology, animal and plant science, as well as science writing, editing and education.

Students who wish to include an interdisciplinary approach to their academic training should look closely at the benefits provided by this major. In addition to meeting requirements for BS Biology, this degree allows for the integration of study in the life sciences with coursework in the physical and earth sciences, as well as applied fields such as forensics. Furthermore, in keeping with the commitment of the College of Letters and Sciences to the complete academic development of its students, science courses involve writing and diversity components, as well as fundamental critical thinking components.

Bachelor of Science in Biology to Master of Forensic Science Transition Program

The BS Biology to MFS transition program allows students who are enrolled in the BS Biology with a cumulative grade point average of at least 3.0 and who are within completing their last six courses to register for two courses in the MFS program as electives for the bachelor's degree. The two graduate courses are restricted to those that do not require a prerequisite. Students must complete all transition program coursework with a grade of B or better. The number of courses required to earn an MFS degree for transition program students is reduced from 12 to as few as 10 courses. Graduate-level coursework taken as part of the Biology program cannot be applied as graduate credit to the Master of Forensic Science program, nor will it transfer as graduate level credit to any other university because it becomes part of the undergraduate degree program. Students must enroll in and complete the first class in the Master's degree within 6 months of the conferral date of their undergraduate degree. The MFS program must be completed within 4 years with no break in enrollment of 12 months or more. Further rules and requirements for Transition programs are located in the university catalog.

Program Learning Outcomes

Upon successful completion of this program, students will be able to:

- Discuss biological processes at all levels of organization: molecular, cellular and microbial, organismal, population, and ecosystem.
- Explain the importance of unifying concepts in biology, including cell theory, genetics, and evolution.
- Describe the structure and function of Earth's organisms, as well as their roles in the natural world.
- Apply the scientific method in laboratory-based and field-based inquiry.
- Demonstrate effective oral, visual, and written communication and quantitative skills, including the critical analysis of data and scientific literature.
- Demonstrate computer and technology literacy, including the ability to access databases within the context of course research and project development.
- Evaluate historical developments and research in biology, as well as current and contemporary research and challenges.

Degree Requirements

To receive a Bachelor of Science, Major in Biology, students must complete at least 180 quarter units as articulated below, 45 of which must be completed in residence at National University, 76.5 of which must be completed at the upper division level, and a minimum 70.5 units of the University General Education requirements. In the absence of transfer credit, additional general electives may be necessary to satisfy total units for the degree. Refer to the section on undergraduate admission requirements for specific information regarding admission and evaluation.

* Completion of BIO 100, 100A, 201, 201A, 202, 202A, 203, 203A is equivalent to the course sequence BIO 161, 162, 163, 169A for fulfillment of the BS Biology degree.

Preparation for the Major (16-17 courses; 60-61.5 quarter units)

MTH 210* Probability and Statistics
Prerequisite: Accuplacer test placement evaluation, MTH 12A and MTH 12B

MTH 215* College Algebra & Trigonometry
Prerequisite: Accuplacer test placement evaluation, MTH 12A and MTH 12B

or

MTH 216A* College Algebra I (3 quarter units)
Prerequisite: Accuplacer test placement evaluation, MTH 12A and MTH 12B

and

MTH 216B* College Algebra II (3 quarter units)
Prerequisite: MTH 216A

CHE 141* General Chemistry 1
Prerequisite: MTH 215 or equivalent and CHE 101

CHE 142* General Chemistry 2
Prerequisite: CHE 141

CHE 143* General Chemistry 3
Prerequisite: CHE 142

BIO 161* General Biology 1

BIO 162* General Biology 2
Prerequisite: BIO 161

BIO 163* General Biology 3
Prerequisite: BIO 161 and BIO 162

PHS 171* General Physics 1
Prerequisite: MTH 215 or MTH 216A and MTH 216B

PHS 172* General Physics 2
Prerequisite: PHS 171

PHS 173* General Physics 3
Prerequisite: PHS 171 and PHS 172

CHE 150 Introductory Organic Chemistry
Prerequisite: CHE 101 and CHE 101A or CHE 141 and CHE 142 and CHE 143 and CHE 149A

CHE 150A Introductory Organic Chem Lab (1.5 quarter units)
Prerequisite: CHE 150

BIO 169A General Biology Lab (1.5 quarter units)
Prerequisite: BIO 161, BIO 162 and BIO 163

CHE 149A General Chemistry Laboratory (1.5 quarter units)
Prerequisite: CHE 143

PHS 179A General Physics Lab (1.5 quarter units)
Prerequisite: PHS 171, PHS 172 and PHS 173

* May be used to meet General Education requirements

Requirements for the Major (12 courses; 42 quarter units)

BIO 330 Ecology
Prerequisite: BIO 161, BIO 162, BIO 163, BIO 100A, CHE 141, CHE 142, CHE 143 and CHE 101A

BIO 305 Genetics
Prerequisite: BIO 161, BIO 162, BIO 163, BIO 100A, CHE 141, CHE 142, CHE 143 and CHE 101A

BIO 310 Evolution
Prerequisite: BIO 161, BIO 162, BIO 163 and BIO 100A

BIO 406 Cellular Biology
Corequisite: BIO 406A, Prerequisite: BIO 161, BIO 162, BIO 163, CHE 141, CHE 142, CHE 143, BIO 169A and CHE 149A

- BIO 406A Cellular Biology Lab (1.5 quarter units)
Corequisite: BIO 406,
Prerequisite: BIO 161, BIO 162, BIO 163, CHE 141, CHE 142, CHE 143, BIO 169A and CHE 149A
- BIO 407 Molecular Biology
Corequisite: BIO 407A,
Prerequisite: BIO 161, BIO 162, BIO 163, BIO 100A, CHE 141, CHE 142, CHE 143 and CHE 101A
- BIO 407A Molecular Biology Lab (1.5 quarter units)
Corequisite: BIO 407,
Prerequisite: BIO 161, BIO 162, BIO 163, BIO 100A, CHE 141, CHE 142, CHE 143 and CHE 101A
- BIO 414 Invertebrate Zoology
Corequisite: BIO 414A,
Prerequisite: BIO 161, BIO 162, BIO 163, BIO 100A, CHE 141, CHE 142, CHE 143 and CHE 101A
- BIO 414A Invertebrate Zoology Lab (1.5 quarter units)
Corequisite: BIO 414
- BIO 416 Vertebrate Zoology
Corequisite: BIO 416A,
Prerequisite: BIO 161, BIO 162, BIO 163, BIO 100A, CHE 141, CHE 142, CHE 143 and CHE 101A
- BIO 416A Vertebrate Zoology Laboratory (1.5 quarter units)
Corequisite: BIO 416
- BIO 440 Botany
Prerequisite: BIO 161, BIO 162, BIO 163, BIO 100A, CHE 141, CHE 142, CHE 143 and CHE 101A

Upper-Division Electives (7 courses; 31.5 quarter units)

Students may select only 300, 400, or 500 level in the College of Letters and Sciences to complete the total of 76.5 quarter units of upper division for the degree. Suggested upper-division courses are given below.

- BIO 420 Animal Behavior
Prerequisite: BIO 161, BIO 162, BIO 163 and BIO 100A
- BIO 430 Immunology
Prerequisite: BIO 406 and BIO 407
- BIO 450 Natural History of California
Prerequisite: BIO 161, BIO 162, BIO 163 and BIO 100A or BIO 100 and BIO 100A
- BIO 460 Marine Biology
Prerequisite: BIO 161 with a minimum grade of C, BIO 162 with a minimum grade of C and BIO 163 with a minimum grade of C
- BIO 461 Marine Biology Field Studies
Recommended Preparation: BIO 162 with a minimum grade of C
- BIO 470 Bioinformatics
Corequisite: BIO 470A,
Prerequisite: BIO 161 with a minimum grade of C-, BIO 162 with a minimum grade of C- and BIO 163 with a minimum grade of C-
- BIO 470A Bioinformatics Lab (1.5 quarter units)
Corequisite: BIO 470
- BIO 480 Studies in Field Biology
- CHE 350 Organic Chemistry I
Prerequisite: CHE 142
- CHE 351 Organic Chemistry II
Prerequisite: CHE 350

- CHE 360 Biochemistry I
Prerequisite: CHE 350, CHE 350A, CHE 351 and CHE 351A
- CHE 361 Biochemistry II
Prerequisite: CHE 360
- EES 322 Oceanography
- EES 335 Environmental Science
- EES 336 Natural Resource Conservation
- MTH 317 Mathematical Modeling
Prerequisite: MTH 215 or MTH 216A and MTH 216B and MTH 210
- SCI 303 GIS: Geographic Info Systems
- SCI 400 History of Science
Prerequisite: One 4.5 quarter unit science course from the natural sciences
- SCI 490 Guided Study (variable units)

Approved transition program students may select up to two FSC courses from below to meet up to 9 quarter units of the elective requirement.

- FSC 630 Forensic Pathology I
- FSC 633 Advanced Forensic Toxicology
- FSC 634 Forensic Serology and DNA
- FSC 635 Forensic Anthropology
- FSC 642 Forensic Pathology II
Prerequisite: FSC 630

GRADUATE DEGREE

MASTER OF ARTS IN COUNSELING PSYCHOLOGY

Faculty Advisor: Brian Tilley; (760) 268-1550; btilley@nu.edu

The Master of Arts in Counseling Psychology degree provides the academic pathway for students who are committed to the practice of professional counseling. The program includes two core course sequences, Core Sequence I and III, that all MA Counseling Psychology students must take and one core sequence, Core Sequence II, which offers an option for MFT-focused coursework or PCC-focused coursework. Each student must choose one of the following options for Core Sequence II:

The MA Counseling Psychology – MFT Sequence Option emphasizes marriage and family therapy and is designed for students who are committed to the practice of individual, couples, family, adolescent, and child psychotherapy. This version of the degree meets the academic requirements necessary to sit for the Marriage and Family Therapist (MFT) License mandated by the Board of Behavioral Sciences in the state of California. Students who wish to also take the PCC specialization must take the three PCC-focused courses and complete the additional practicum hours required for the PCC license in order to meet the educational requirements for both licenses.

The MA Counseling Psychology – PCC Sequence Option emphasizes counseling techniques and theories, including those related to career development, and is designed for students who are committed to the practice of individual and group counseling. This version of the degree meets the academic requirements to be eligible for licensing as a professional clinical counselor (PCC) by the Board of Behavioral Sciences in the state of California. Students may take courses from the MFT Area of Specialization if they want to qualify for both licenses or want to qualify to work with couples, families, and/or children as a PCC. Students who wish to also take the MFT specialization must take the three MFT track courses in order to meet the educational requirements for both licenses.

The degree with either sequence may not meet requirements in other states. Students should consult the licensing boards of the appropriate states for information about licensure outside of California. The degree also prepares students for the pursuit of doctoral studies in practitioner-oriented programs such as counseling or clinical psychology.

Application Requirements

Students interested in enrolling in this program should contact the appropriate campus for further information regarding the application process.

To be considered for admission, applicants must meet the University graduate admission requirements listed in the general information section of the catalog, as well as the MAC program criteria. All applicants are evaluated for the psychotherapy profession, regardless of career goals. Students must submit an application packet, pass a personal interview, and attend the program orientation before they may begin classes.

Students for whom English is not their primary language must take the Test of English as a Foreign Language (TOEFL) exam and receive one of the below scores before beginning the program:

- Paper-Based 550
- Computer-Based..... 213
- Internet Based 79

Students must submit their TOEFL score with their application.

Students should consult the regional faculty to determine at what point in the sequence they may enter the program. Entrance points may differ in each region.

Program Fees

For students in the MFT Specialization: \$350 for materials that assist students in the preparation for the California Marriage and Family Therapist examination for licensure.

Program Requirements

- Students must complete a minimum of 10 hours of individual, marital, family, and group psychotherapy before taking PSY 611B and another 15 hours before graduation for a total of 25 hours.
- Students must obtain a total of 225 hours (MFT) or 280 hours (PCC) of face-to-face counseling experience at an approved practicum site with a designated practicum site supervisor during the practicum class. Students who want to complete both MFT and PCC practicum requirements will need to meet the 280 hours requirement.
- Students who do not have an undergraduate degree in psychology must take PSY 501A and PSY 501B as the first two courses in their program. Under exceptional circumstances requests for independent studies in courses without experiential clinical work may be considered for approval by the department.
- Students seeking licensure in California must register with the Board of Behavioral Sciences (BBS) after graduation and fulfill all BBS licensing requirements for the license relevant to the student's MAC specialization.
- Students are also urged to join a professional association. Students in the MFT track should consider joining the California Association of Marriage and Family Therapy and/or the American Association of Marriage and Family Therapists. Students in the PCC track should consider joining the American Counseling Association and/or the California Association for Licensed Professional Clinical Counselors. Students must obtain malpractice insurance, which may be obtained through the relevant association listed above or another professional organization.
- Students must complete all coursework within seven years. Any courses taken more than seven years ago must be repeated.
- Students in the Master of Arts in Counseling Psychology who have a GPA of 3.0 may take a regular evening course simultaneously with PSY 680A or PSY 680B.

The program is guided by the standards of the California Board of Behavioral Sciences for academic training relevant to licensing as a Marriage and Family Therapist in the State of California (MFT Sequence) or as a Licensed Professional Clinical Counselor (PCC Sequence), and by contemporary scientific, professional, and public practice. At the completion of the program students will achieve the following outcomes required for successful practice of Marriage and Family Therapy (MFT Sequence) or Professional Clinical Counseling (PCC Sequence):

Program Learning Outcomes

Upon successful completion of this program, students will be able to:

- Demonstrate core psychological concepts and therapeutic skills that underpin counseling, psychotherapy, and mental health counseling.
- Critically evaluate the relevant methods of research used in the study of behavior and their limitations.
- Understand and demonstrate current professional standards of ethics, values, and laws related to the practice of professional psychotherapists.
- Demonstrate cultural competence in addressing the mental health needs of people of diverse backgrounds and circumstances, including an appreciation for the wide cultural diversity among California's multiple diverse communities.
- Evaluate psychological distress and/or impairment, mental disorders, and problems in living in diverse individuals and systems within various mental health settings.
- Develop culturally appropriate strategies, treatment plans, and professional relationships for successful interventions with diverse client groups in various clinical contexts.
- Apply related therapeutic interventions with diverse clients using a variety of psychotherapeutic models.
- Apply a working knowledge of a range of topics important to mental health practice including (but not limited to) psychopharmacology, addictive and compulsive disorders, structured psychological assessment, relational violence, gender and sexuality, and trauma/crisis.
- Understand norms and principles of public mental health work including (but not limited to) case management, collaborative treatment, evidence-based practice, strength-based model, resiliency, and recovery-oriented care to work with clients.
- Integrate professional development through self-reflection emphasizing personal capacities such as self-awareness, integrity, sensitivity, flexibility, insight, compassion, imagination, and personal presence.

Degree Requirements

To receive the Master of Arts in Counseling Psychology, students must complete at least 90 quarter units of graduate work. A total of 13.5 quarter units of graduate credit may be granted for equivalent graduate work completed at another institution, as it applies to this degree and if the units were not used in earning another advanced degree. Students for whom English is a second language must take and pass an English Language Proficiency exam prior to beginning any coursework. Students should refer to the section on graduate admission for specific information regarding additional application and evaluation requirements.

Prerequisites for the Major (2 courses; 9 quarter units)

Students who hold a bachelor's degree in Psychology may request these courses to be waived.

PSY 501A Foundations in Counseling I

PSY 501B Foundations in Counseling II

Core Requirements Sequence I (6 courses; 27 quarter units)

Students will take classes from this sequence then take 3 area of specialization courses, Core Course Sequence II.

PSY 605 Lifespan Development
Prerequisite: Bachelor's Degree in Psychology or PSY 501A and PSY 501B

PSY 620 Perspectives on Psychology
Prerequisite: Bachelor's Degree in Psychology or PSY 501A and PSY 501B

PSY 610 Case Management
Prerequisite: Bachelor's Degree in Psychology or PSY 501A and PSY 501B

PSY 611A Counseling Paradigms I
Prerequisite: Bachelor's Degree in Psychology or PSY 501A and PSY 501B

PSY 612A Clinical Assessment I

PSY 612B Clinical Assessment II
Prerequisite: PSY 612A

Core Requirements

Sequence II: PCC Option

(3 courses; 13.5 quarter units)

Students interested in becoming a Licensed Professional Clinical Counselor will take these courses between Core Sequence I and III.

PSY 653 Research and Evaluation

PSY 624A Testing and Assessment

CED 612 Career & Academic Counseling

Core Requirements

Sequence II: MFT Option

(3 courses; 13.5 quarter units)

Students interested in becoming a Licensed Marriage and Family Therapist will take these courses between Core Sequence I and III.

PSY 636 Child and Adolescent Therapy

PSY 632A Family Therapy

PSY 632B Couples Therapy

Core Requirements

Sequence III

(11 courses; 49.5 quarter units)

PSY 627 Legal & Ethical Issues

PSY 611B Counseling Paradigms II

PSY 680A Counseling Practicum I
Prerequisite: PSY 611B with a minimum grade of S

PSY 628 Group Therapy

PSY 637 Cultural Competencies

CHD 640 Treatment of Addictions

PSY 626 Human Sexuality

PSY 679 Psychology of Trauma

PSY 680B Counseling Practicum II
Prerequisite: PSY 680A

PSY 678 Clinical Biopsychology

PSY 638 Wellbeing & Wellness

Specialization in Licensed Professional Clinical Counseling (LPCC)

The MA Counseling Psychology – LPCC Area of Specialization emphasizes professional counseling and is designed for students who are committed to the practice of individual and group psychotherapy as well as vocational counseling. This version of the degree meets the academic requirements necessary to sit for the License in Professional Clinical Counseling (LPCC) mandated by the Board of Behavioral Sciences in the state of California. Students may take courses from the MFT Area of Specialization as part of their program if they want to qualify for both licenses. (Note: LPCCs in California are not allowed to work with families or couples without specific training for those populations.)

The MA with LPCC specialization may not meet requirements in other states. Students should consult the licensing boards of the appropriate states for information about licensure outside of California.

Program Learning Outcomes

Upon successful completion of this program, students will be able to:

- Assess vocational problems and develop academic plans for diverse clients.
- Apply therapeutic interventions with diverse clients within the context of professional clinical counseling, including attention to vocational issues when necessary.
- Develop culturally appropriate strategies and treatment plans for successful interventions with individuals and groups.

Degree Requirements

To complete the Specialization in Licensed Professional Clinical Counseling, students must complete the four courses listed below.

LPCC Specialization

PSY 653 Research and Evaluation

CED 612 Career & Academic Counseling

PSY 624A Testing and Assessment

PSY 680B Counseling Practicum II
Prerequisite: PSY 680A

Specialization in Marriage and Family Therapy (MFT)

The MA Counseling Psychology – MFT Area of Specialization emphasizes marriage and family therapy and is designed for students who are committed to the practice of individual, couples, family, adolescent, and child psychotherapy. This version of the degree meets the academic requirements necessary to sit for the Marriage and Family Therapist (MFT) License mandated by the Board of Behavioral Sciences in the state of California. Students may take courses from the LPCC Area of Specialization as a part of their program if they want to qualify for both licenses.

The MA with MFT specialization may not meet requirements in other states. Students should consult the licensing boards of the appropriate states for information about licensure outside of California.

Program Learning Outcomes

Upon successful completion of this program, students will be able to:

- Assess and diagnose psychological distress and/or impairment, mental disorders, or problems in living in diverse couples, and families within various mental health settings.
- Assess and diagnose psychological distress and/or impairment, mental disorders or problems in living in children and adolescents from diverse backgrounds within various mental health settings.
- Develop appropriate strategies and treatment plans for successful clinical interventions with couples, families, children, and adolescents in various clinical contexts.
- Apply therapeutic interventions with diverse clients within the context of child, couples, and family counseling.

Degree Requirements

To complete the Specialization in Marriage and Family Therapy, students must complete the four courses listed below.

Specialization in Marriage and Family Therapy

PSY 636 Child and Adolescent Therapy

PSY 632A Family Therapy

PSY 632B Couples Therapy

PSY 680B Counseling Practicum II
Prerequisite: PSY 680A

MASTER OF ARTS IN ENGLISH

Faculty Advisor: Franz Potter; (714) 429-5410; fpotter@nu.edu

The Master of Arts in English program provides a comprehensive program of graduate study in English, including core courses in literature and a rich array of electives covering the large area of academic study under the umbrella term English. The program is ideal for teachers who desire a content M.A. beyond the credential. It is also excellent preparation for doctoral studies in English, teaching in the two-year college, or other careers requiring a high degree of literacy.

The program's core requirements include five seminars--theory, research, and three core literature courses: a literary period course, a major author course, and a theme course. Students have the opportunity to select their course content from a variety of available topics. For example, for the major author seminar, we offer courses in Chaucer, Shakespeare, Austen, Dickens, Whitman, T.S. Eliot, Steinbeck, Hemingway, James Baldwin, among others. Students are allowed four elective courses. Those wanting a deeper study of English or American literature can select additional seminars in literary periods, major authors, or themes as their electives.

Courses in film studies, creative writing, and rhetoric are also offered as electives for students with interests in those areas. In the MA English program, we study film as literature, and we share a rich selection of film studies courses with the MA Film Studies program. Students wanting a specific specialization in either Rhetoric or Gothic Studies should refer to the catalog description of those specializations.

The curriculum covers major approaches to literature, including theoretical, historical, comparative, thematic, multicultural, and genre studies. The program provides students with the critical vocabulary, tools, and research ability to produce literary scholarship of professional quality and to participate in the ongoing scholarly discussions of issues in the field of literary study. In their capstone project, students write a scholarly paper to the standards of a scholarly journal of their choice, and a number of our graduates have succeeded in publishing their capstone projects.

NOTE: The program includes a number of variable-content courses under the same course number. Variable content course topics will be found in SOAR and will also appear on student transcripts. For example, our ENG 620A and ENG 620B offerings include seminars in Medieval English literature, 17th-Century English Poetry, Dark Romanticism, Victorian Literature, American Romanticism, Harlem Renaissance, Lost Generation, Greatest Generation, American Gothic, among others. Variable content courses can be taken more than once, with different content, to fulfill degree requirements.

Program Learning Outcomes

Upon successful completion of this program, students will be able to:

- Research and apply relevant criticism in sustained analyses and interpretations of specific works of fiction, non-fiction, and poetry.
- Evaluate the relevance and validity of different theoretical approaches (e.g., historicist, biographical, etc.) to the understanding of specific works of literature.
- Engage in informed critical discussion, both oral and written, of theoretical issues pertaining to the study of literature.
- Engage in informed critical discussion, both oral and written, of the works and criticism of a specific literary period or movement.
- Participate in rigorous critiques of the scholarly works of others.
- Revise and expand a scholarly paper to submit for publication in a scholarly or literary journal.

Degree Requirements

To receive the Master of Arts in English, students must complete at least 45 quarter units. A total of 4.5 quarter units of graduate credit may be granted for equivalent graduate work completed at another institution, as it applies to this degree and provided the units were not used in earning another advanced degree. Students should refer to the General Catalog section on graduate admission requirements for specific information regarding admission and evaluation.

Core Requirements

(6 courses; 27 quarter units)

ENG 600 Seminar in Literary Theory

ENG 689 Research and Methodology

ENG 620A Literary Period or Movement I

or

ENG 620B Literary Period or Movement II

ENG 680A Seminar in a Theme I

or

ENG 680B Seminar in a Theme II

ENG 690A Major Author Seminar I

or

ENG 690B Major Author Seminar II

ENG 699 English Capstone Course

or

ENG 663 Capstone Project in Rhet Crit

*Prerequisite: ENG 655, ENG 656, ENG 657, ENG 668 or
ENG 680A: Pictures that Speak*

(A total of five core courses and four electives, as described in the Degree Requirements for the Program, must be completed before enrolling in the Capstone course.)

Elective Requirements

(4 courses; 18 quarter units)

Select from the following list of courses:

ENG 610 Multicultural Literature

ENG 620A Literary Period or Movement I

or

ENG 620B Literary Period or Movement II

MCW 630 Seminar in Fiction

ENG 640 Seminar in Poetry

MCW 645 Seminar in Poetry

MCW 650 Seminar in Creative Nonfiction

ENG 655 Composition Pedagogy

ENG 656 History of Rhetoric

ENG 657 Modern Rhetoric

ENG 665 Film Theory

ENG 666 Film History: The Silents

ENG 667 Film History: American Film

ENG 668 Film Genre Studies

ENG 669 World Film

ENG 670 Comparative Literary Studies

ENG 690A Major Author Seminar I

or

ENG 690B Major Author Seminar II

ENG 680A Seminar in a Theme I

or

ENG 680B Seminar in a Theme II

ENG 685 Great Directors: American

ENG 686 Great Directors: International

PROGRAMS ASSOCIATED WITH MASTER OF ARTS IN ENGLISH

Specialization in Gothic Studies (Refer to Catalog 79 for specialization requirements)

Specialization in Rhetoric *Modified*

Specialization in Rhetoric

Faculty Advisor: Christine Photinos; (858) 642-8349; cphotino@nu.edu

The Master of Arts in English with a Specialization in Rhetoric provides a program of graduate study in literature as well as a wide range of cultural production, from classical oration to contemporary cinema, with particular attention paid to how language and image are used to produce various effects and meanings. Students study literary texts and other cultural artifacts across a variety of media forms, developing readings that are grounded in contextual understanding. They complete course work in literary studies, classical and modern rhetoric, composition pedagogy, media studies, and film studies. The prescribed curriculum contains several variable-topic courses, allowing students to pursue broad program goals in topic areas matched to their individual interests. The program is appropriate for students seeking preparation for doctoral study or college-level teaching in English and related fields, or general cultural enrichment.

Program Learning Outcomes

Upon successful completion of this program, students will be able to:

- Produce sustained textual analyses and interpretations that are informed by relevant published criticism.
- Evaluate the relevance and validity of different theoretical approaches to the understanding of specific texts.
- Produce rigorous critiques of the scholarly works of others.
- Analyze the processes of canon formation.
- Interrogate and synthesize key theories and practices within Composition Studies.
- Analyze how language and image are used to produce various effects and meanings across a variety of media forms.
- Produce a work of rhetorical criticism suitable for publication in a scholarly journal.

Specialization Requirements (4 courses; 18 quarter units)

Students must select 4 of the 5 courses listed below:

ENG 656 History of Rhetoric

ENG 657 Modern Rhetoric

ENG 655 Composition Pedagogy

ENG 668 Film Genre Studies

or

ENG 680A Seminar in a Theme I: Pictures that Speak

SCHOOL OF BUSINESS AND MANAGEMENT

MASTER OF ARTS IN CAUSE LEADERSHIP

THIS PROGRAM IS NOT ACCEPTING APPLICANTS AT THIS TIME

Program Termination

SCHOOL OF BUSINESS AND MANAGEMENT (SOBM)

- Concentration in Professional Golf Management within Bachelor of Business Administration
- Specialization in Professional Golf Management within Master of Business Administration

UNDERGRADUATE DEGREE

Modified

BACHELOR OF BUSINESS ADMINISTRATION

Faculty Advisor: Nelson Altamirano; (858) 642-8428; naltamirano@nu.edu

The Bachelor of Business Administration (BBA) degree prepares students for career opportunities and advancement in business and industry. Successful completion of lower- and upper-division BBA requirements ensures that graduates comprehend the relationships among marketing, quantitative theory, accountancy, economic principles and financial, human and organizational management. The BBA gives students an opportunity to specialize in designated fields by pursuing concentrations and minors, or to choose an individualized set of general BBA electives.

Bachelor of Business Administration/Master of Business Administration (BBA/MBA) Transition Program

Students must complete graduate-level coursework taken as part of the BBA degree with a grade of B or better. This coursework, which counts as electives, will not transfer as graduate-level credit to National University or any other institution as it is part of an undergraduate degree program. Grades earned in graduate level courses will be calculated as part of the student's undergraduate grade point average. Students must be within completing their last six courses in their undergraduate program and have a cumulative GPA of at least a 3.00 to be eligible. Lastly, students must apply for and begin the MBA program within six months after completing their final BBA course. Students must complete their MBA program within four years with no break exceeding 12 months.

Students in the BBA transition program may take up to three MBA classes as electives during the BBA. Students may choose from the following courses: MKT 602, MGT 605, ECO 607.

The number of courses required to earn an MBA degree for transition program students is reduced from 14 to as few as 11 courses, depending on classes selected and grades earned.

Program Learning Outcomes

Upon successful completion of this program, students will be able to:

- Apply ethical and legal principles to a business environment
- Demonstrate skills and knowledge in the areas of business math, economics, accounting, finance, and operations management needed to make sound business decisions
- Apply knowledge in the fields of management, information systems, and marketing to different business environments
- Apply the knowledge acquired in the program for the analysis of strengths, weaknesses, and potential improvements in a business.
- Demonstrate written, presentation and research skills expected of a business-school graduate
- Develop a global business perspective based on the knowledge of foreign business environments and cultures

Degree Requirements

To receive a BBA, students must complete at least 180 quarter units as articulated below, 45 of which must be completed in residence at National University, 76.5 of which must be completed at the upper-division level, and a minimum 70.5 units of the University General Education requirements. In the absence of transfer credit, additional general electives may be necessary to satisfy total units for the degree. The following courses are specific degree requirements. Refer to the section on undergraduate admission procedures for specific information regarding admission and evaluation.

Preparation for the Major (6 courses; 27 quarter units)

MNS 205 Intro to Quantitative Methods
Prerequisite: Placement Evaluation

ECO 203 Principles of Microeconomics

ECO 204	Principles of Macroeconomics
ACC 201	Financial Accounting Funds.
ACC 202	Managerial Accounting Funds. <i>Prerequisite: ACC 201</i>
LAW 304	Legal Aspects of Business I

Requirements for the Major (9 courses; 40.5 quarter units)

BIM 400	Info Mgmt in Organizations
MGT 309C	Prin. of Mgmt & Organizations
MGT 400	Ethics in Law, Business & Mgmt
FIN 310	Business Finance <i>Prerequisite: ACC 201</i>
MNS 407	Management Science <i>Prerequisite: MNS 205</i>
MKT 302A	Marketing Fundamentals
MGT 430	Survey of Global Business <i>Prerequisite: ECO 203 and ECO 204</i>
MGT 451	Production & Ops Management I
BUS 480	Capstone: Integrated Bus Policy <i>Prerequisite: Completion of at least 9 BBA preparation and upper-division core courses</i>

Upper-Division Electives (6 courses; 27 quarter units)

Students may choose to take one of the BBA Concentrations listed below and/or appropriate elective courses to satisfy the total units for the degree with the following prefixes: ACC, BKM, BUS, ECO, FIN, HRM, LAW, LED, MGT, MKT, ODV or HUB.

Recommended Electives

BUS 491	Internship Project <i>Prerequisite: 31.5 quarter units in business or business related courses and a 2.5 GPA</i>
FIN 446	International Financial Mgmt <i>Prerequisite: FIN 310</i>
FIN 440	Financial Institutions <i>Prerequisite: FIN 310</i>
HRM 409B	Survey in HRM & OD
HRM 432	Recruit, Selection, Promo, Ret
HRM 439	Legal, Reg, & Labor Relation C
IBU 540	International Experience
LAW 305	Legal Aspects of Business II <i>Prerequisite: LAW 304</i>
MGT 422	Team Bldg, Intpers Dynamics
MKT 430	Intro to Global Marketing <i>Prerequisite: MKT 302A</i>
MKT 434	Intro to Market Research <i>Prerequisite: MKT 302A</i>
MKT 443	Introduction to Advertising <i>Prerequisite: MKT 302A</i>

Concentrations Associated with Bachelor of Business Administration

- Accountancy
- Alternative Dispute Resolution
- Business Law
- Economics
- Entrepreneurship ***Modified***
- Finance ***Modified***
- Human Resource Management ***Modified***
- Marketing
- Project Management

Modified Program Learning Outcomes

Concentration in Entrepreneurship

Faculty Advisor: Gary Zucca; (209) 736-2949; gzucca@nu.edu

This concentration is designed for those students who seek to gain practical knowledge in starting, managing, or running a business. The concentration is aimed at providing students with the specialized knowledge of entrepreneurship, e-business, small business management, and family business. Entrepreneurship is one of the core concentrations in many schools of business. Completing this concentration will enable students to compete in the marketplace for employment or to start new business ventures.

According to the U.S. Department of Commerce, California is a leader in small business and family business. This concentration will enable students to gain knowledge on various aspects of small business and family business including venture capital, risk management, registration of new business, security issues, bankruptcy, estate planning, and philanthropy. This knowledge, combined with knowledge gained in the BBA program will significantly enhance the earning potential of a student. Students are strongly advised to contact the above-named Faculty Advisor for guidance and recommendations regarding academic preparation for this concentration.

Program Learning Outcomes

Upon successful completion of this program, students will be able to:

- Assess the various legal structures of small and family business and evaluate the feasibility of an entrepreneurial project by analyzing the organizational, marketing, and financial, aspects of a business concept.
- Apply the principles of e-commerce by developing a plan to integrate technology into a small or family business.
- Evaluate a family business with regard to its legal structure, management and leadership, and succession planning.

Concentration Requirements (4 courses; 18 quarter units)

MGT 481	Foundations of Entrepreneurship
MGT 482	Small Business Management
MGT 483	E-Business
MGT 484	Family Business Management

Modified Program Learning Outcomes

Concentration in Finance

Faculty Advisor: Farhang Mossavar-Rahmani; (858) 642-8409; fmossava@nu.edu

Career opportunities in finance are in three interrelated areas: financial institutions, including banks, insurance companies, credit unions and similar organizations; investments, including the sale of securities or security analysis; and financial management in all types of commercial and not-for-profit organizations. This concentration prepares students for future managerial responsibilities in these areas with an emphasis on the financial management of organizations.

Students must successfully complete the following courses for a concentration in finance. Students must complete at least four of the courses in residence at

National University. It is recommended that students take these courses toward the end of their program after completing the upper-division BBA core courses.

Program Learning Outcomes

Upon successful completion of this program, students will be able to:

- Apply theoretical and practical aspects of finance.
- Demonstrate oral and written communication skills needed by financial managers.

Degree Requirements

Requirements for the Concentration (6 courses; 27 quarter units)

FIN 440	Financial Institutions <i>Prerequisite: FIN 310</i>
FIN 442	Investments <i>Prerequisite: FIN 310, and FIN 440</i>
FIN 443	Working Capital Management <i>Prerequisite: FIN 310</i>
FIN 444	Risk Management & Insurance <i>Prerequisite: FIN 310</i>
FIN 446	International Financial Mgmt <i>Prerequisite: FIN 310</i>
FIN 447	Financial Planning <i>Prerequisite: FIN 310, and FIN 442</i>

Modified Program Learning Outcomes

Concentration in Human Resource Management

Faculty Advisor: Bernadette Baum; (858) 642-8404; bbaum@nu.edu

This concentration provides education, knowledge and skills that apply to every level of an organization. This degree program is excellent preparation for students attracted to a career in the increasingly important field of human resource management.

Program Learning Outcomes

Upon successful completion of this program, students will be able to:

- Describe various types of compensation and incentive programs and their effectiveness in attracting, motivating, and retaining qualified individuals.
- Identify the responsibilities of managers and supervisors in the prevention of liability arising from employment relationships.
- Define the interrelationship of the three areas of HR development.
- Identify staffing needs and recruitment processes from information obtained from a job analysis.

Concentration Requirements (6 courses; 27 quarter units)

Students must successfully complete the following courses for a concentration in Human Resource Management. Students must complete at least four of the courses in residence at National University. It is recommended that students take these courses in the order listed below at or near the end of their program after completing the upper-division BBA core courses.

HRM 433 Pay & Benefit Admin, & HR Tech

HRM 439 Legal, Reg, & Labor Relation C

ODV 410 OD, Career Systems, & Training

HRM 432 Recruit, Selection, Promo, Ret

and

TWO Upper-Division Elective courses in the following prefix areas: HRM, LED, ODV.

BACHELOR OF SCIENCE

Modified Program Learning Outcomes

MAJOR IN ACCOUNTANCY

Faculty Advisor: Consolacion Fajardo; (916) 855-4137; cfajardo@nu.edu

The major in Accountancy academically prepares students for a wide range of accounting-related careers, including public accounting, corporate accounting, internal audit, accounting in not-for-profit organizations, and job opportunities with state, local, and federal government agencies. The curriculum aligns with content specifications for various professional exams including CPA, CMA, and CIA. All students are advised to contact a full-time faculty member for a brief interview by phone or personal visit for the purpose of reviewing the student's career objectives.

BACHELOR OF SCIENCE IN ACCOUNTANCY TO MASTER OF BUSINESS ADMINISTRATION (BS ACC/MBA) TRANSITION PROGRAM

Students who are currently enrolled in the Bachelor of Science in Accountancy program, have at least a cumulative GPA of 3.0, and are within six courses of graduation may register for the BS ACC/MBA transition program. Students in the BS ACC/MBA transition program may take up to three MBA classes as electives during the BS ACC. Students can select any three graduate-level accounting courses for which required course prerequisites (if any) have been met, or may select from the following MBA core courses: ECO 607, MKT 602 and MGT 605. Students must complete graduate-level coursework taken as part of the BS ACC degree with a grade of B or better. This coursework, which counts as electives in the BS ACC, will not transfer as graduate-level credit to National University or any other institution as it is part of an undergraduate degree program. Grades earned in graduate level courses will be calculated as part of the student's undergraduate grade point average. Students must apply for and begin the MBA program within six months after completing their final BS ACC course. The number of courses required to earn a MBA degree for transition program students is reduced from 14 to as few as 11 courses, depending on classes selected and grades earned. Students must complete their MBA program within four years with no break exceeding 12 months.

Online Course Availability

All of the coursework in this program can be taken online. Most online courses offer one or two live voice/visual evening sessions per week, in which instructors orally explain important concepts, visually illustrate problem-solving techniques, and respond to student questions. These sessions are recorded so that students who are unable to attend at the scheduled time can play back the video recording at a convenient time.

Program Learning Outcomes:

Upon successful completion of this program, students will be able to:

- Utilize current technologies for presenting and analyzing accounting information
- Demonstrate mastery of a common body of accounting knowledge
- Develop ethical sensitivity to accounting scenarios
- Employ effective communication of accounting information
- Demonstrate awareness of International Financial Reporting Standards
- Research issues to support critical assessment of accounting information
- Operate effectively in group settings to enhance student learning

See National University Website for new Elective Requirements for BACHELOR OF SCIENCE IN ACCOUNTANCY

Modified Program Learning Outcomes

MAJOR IN FINANCIAL MANAGEMENT

Faculty Advisor: Farhang Mossavar-Rahmani; (858) 642-8409; fmossava@nu.edu

The Major in Financial Management is designed to prepare students for positions in the field of corporate financial management and related areas. The program provides both practical and theoretical training in financial decision-making and

the creation of wealth through the art and science of managing financial resources. Students also develop a broad perspective of the global economic and financial environment.

Program Learning Outcomes

Upon successful completion of this program, students will be able to:

- Explain the financial objectives of an organization and apply quantitative, qualitative and problem-solving skills in order to achieve those objectives.
- Describe ethical, legal, and global issues that impact an organization's financial position.
- Discuss the theoretical and practical aspects of corporate finance.
- Explain the structure and operation of financial markets domestically and internationally.
- Demonstrate oral and written communication skills needed by financial managers.
- Examine the financial position of an organization and make financial decisions.

Degree Requirements

To receive a Bachelor of Science with a major in Financial Management, students must complete at least 180 quarter units as articulated below, 45 of which must be completed in residence at National University, 76.5 of which must be completed at the upper-division level, and a minimum 70.5 units of the University General Education requirements. In the absence of transfer credit, additional general electives may be necessary to satisfy total units for the degree. The following courses are specific degree requirements. Refer to the section of undergraduate admission procedures for specific information regarding admission and evaluation.

Preparation for the Major (6 courses; 27 quarter units)

ECO 203* Principles of Microeconomics

ECO 204* Principles of Macroeconomics

ACC 201 Financial Accounting Funds.

ACC 202 Managerial Accounting Funds.
Prerequisite: ACC 201

MNS 205* Intro to Quantitative Methods
Prerequisite: Placement Evaluation

LAW 304 Legal Aspects of Business I

* May be used to satisfy general education requirements.

Requirements for the Major (16 courses; 72 quarter units)

Core Business Requirements (5 courses; 22.5 quarter units)

MGT 309C Prin. of Mgmt & Organizations

FIN 310 Business Finance
Prerequisite: ACC 201

MKT 302A Marketing Fundamentals

ACC 410A Intermediate Accounting I
Prerequisite: ACC 201

ACC 410B Intermediate Accounting II
Prerequisite: ACC 410A

Core Finance Courses (11 courses; 49.5 quarter units)

FIN 440 Financial Institutions
Prerequisite: FIN 310

FIN 442 Investments
Prerequisite: FIN 310 and FIN 440

FIN 443 Working Capital Management
Prerequisite: FIN 310

FIN 444 Risk Management & Insurance
Prerequisite: FIN 310

FIN 446 International Financial Mgmt
Prerequisite: FIN 310

FIN 447 Financial Planning
Prerequisite: FIN 310 and FIN 442

FIN 449 Analysis of Financial Statements
Prerequisite: FIN 310

FIN 453 Finance and Banking
Prerequisite: FIN 310

FIN 454 Capital Structure & Financing
Prerequisite: FIN 310

FIN 455 Valuation of a Corporation
Prerequisite: FIN 310

FIN 456 Financial Project (Capstone)
Prerequisite: FIN 310, FIN 440, FIN 442, FIN 443, FIN 444, FIN 446, FIN 447, FIN 449, FIN 453, FIN 454 and FIN 455

Modified Program Learning Outcomes

MAJOR IN ORGANIZATIONAL LEADERSHIP

Faculty Advisor: Michelle Browning; (661) 674-5706; mbrownin@nu.edu

The Bachelor of Science in Organizational Leadership provides students who are interested in starting, or who are currently working in, business enterprises with theoretical and applied knowledge of leadership theories and frameworks. Building understanding of the difference between leading small organizations and more traditional large corporations and agencies will be examined.

The premise that leadership is a process and can be learned through understanding theory, analyzing scenarios, case studies and complex problems will provide the opportunity for students to acquire their learning experientially.

The Bachelor of Science in Organizational Leadership is designed to give students the opportunity to develop the skills needed to be an effective leader in team and group settings within organizations. It is intended to help students move from an authoritarian paradigm to one of collaboration and integration.

Program Learning Outcomes

Upon successful completion of this program, students will be able to:

- Develop a personal leadership approach.
- Identify challenges and advantages of diverse groups in organizations within a global environment.
- Analyze negotiating styles of leaders, and compare and contrast the concepts of leadership and power.
- Examine the strategies leaders use to motivate and evaluate members of groups and teams.
- Evaluate the ethical implications of leadership decisions and strategies.
- Compare and analyze strategies and frameworks used by leaders to make decisions and initiate change within organizations.
- Explain how the classic studies have informed the understanding and application of leadership and organizational theory.
- Communicate orally and in writing using proper business communication formats.

Degree Requirements

To receive a Bachelor of Science in Organizational Leadership, students must complete at least 180 quarter units as articulated below, 45 of which must be completed in residence at National University, 76.5 of which must be completed at the upper-division level, and a minimum 70.5 units of the University General Education requirements. In the absence of transfer credit, additional general electives may be necessary to satisfy total units for the degree. The following courses are specific degree requirements. Refer to the section on undergraduate admission procedures for specific information regarding application and evaluation.

Non-Leadership Course Requirements (4 courses; 18 quarter units)

LAW 304 Legal Aspects of Business I

MGT 309C Prin. of Mgmt & Organizations

HRM 409B Survey in HRM & OD

or

ODV 410 OD, Career Systems, & Training

COM 334 Persuasion

Prerequisite: ENG 101

or

COM 354 Professional Presentations

Prerequisite: ENG 101

or

MKT 442A Intro to Public Relations

Leadership Courses in the Major (10 courses; 45 quarter units)

LED 400 Introduction to Leadership

LED 410 Leading Diverse Groups & Teams

LED 420 Adaptive Leadership in Change

LED 430 Conflict/Negotiation for Ldrs

LED 440 Ldrship Overview of Org. Func.

LED 450 Advanced Group Dynamic Theory
Prerequisite: LED 400 and LED 410

LED 460 Ethics and Decision Making

LED 470 Classic Studies of Leadership

LED 480 Research for Leaders
Prerequisite: LED 410 and LED 420

LED 490 Leadership Capstone Project
Prerequisite: Completion of six of the preceding courses

Upper Division Electives (2 courses; 9 quarter units)

Students select from upper-division courses with the following prefixes: ECO, FIN, HRM, MGT, ODV, and SOC.

GRADUATE DEGREE

Modified Program Learning Outcomes

MASTER OF ACCOUNTANCY

Faculty Advisor: Russell Parkman; (858) 642-8462; rparkman@nu.edu

The Master of Accountancy (MAcc) academically prepares students for a wide range of accounting-related careers. Some examples include public accounting, corporate accounting, internal auditing, accounting in not-for-profit organizations, and accounting for state and local government agencies such as the Internal Revenue Service, Franchise Tax Board, Defense Contract Audit Agency, FBI, CIA and

other agencies. The program is designed for students with little or no previous accounting background who have an undergraduate degree in any discipline, but it is not appropriate for students with an undergraduate degree in accounting. Course content is based largely on the published content specifications of the Uniform CPA Exam. Students who do well in this academic program may choose to invest several hundred hours of study in a recognized CPA Exam review course.

Program Learning Outcomes

Upon successful completion of this program, students will be able to:

- Integrate current information technologies to report and analyze financial information
- Evaluate accounting information based upon mastery of a common body of accounting knowledge
- Analyze ethical issues within the accounting profession
- Effectively conduct and present accounting research
- Critique international financial accounting standards as compared to Generally Accepted Accounting Principles (GAAP)
- Collaborate effectively as a team to enhance critical thinking

Degree Requirements

To receive a Master of Accountancy, students must complete at least 63 quarter units of graduate work. A total of 13.5 quarter units of graduate credit may be granted for equivalent graduate work completed at another institution, as it applies to this degree and provided the units were not used in earning another advanced degree. Students should refer to the section on graduate admission requirements for specific information regarding application and evaluation.

Core Requirements (14 courses; 63 quarter units)

ACC 601M Foundations of Financial Acc

ACC 657 Accounting Information Systems
Prerequisite: ACC 601M

ACC 610M Financial Accounting I
Prerequisite: ACC 601M

ACC 611M Financial Accounting II
Prerequisite: ACC 610M

ACC 612M Financial Accounting III
Prerequisite: ACC 611M

ACC 615M Advanced Financial Accounting
Prerequisite: ACC 612M

ACC 620M Taxation of Individuals
Prerequisite: ACC 615M

ACC 621M Taxation of Bus & Oth Entities
Prerequisite: ACC 620M

ACC 630M Cost Accounting
Prerequisite: ACC 601M

ACC 631M Advanced Managerial Accounting
Prerequisite: ACC 630M

ACC 640M Acc for Gov't & NFP Entities
Prerequisite: ACC 601M

ACC 650M Auditing Principles
Prerequisite: ACC 621M

ACC 651M Auditing Procedures
Prerequisite: ACC 650M

ACC 695M Cases in Accounting & Auditing
Prerequisite: Completion of prior core requirements

Specialization in Accounting Professional Skills

Faculty Advisor: Sharon Lightner; (858) 642-8663; slightner@nu.edu

This specialization is designed for students to obtain additional coursework and skills necessary for many professional opportunities in the field of accounting. For instance, to be a licensed CPA in the state of CA, students need 180 quarter units (120 semester units). Units may be obtained at the undergraduate or graduate level. The only units that are specified is 4.5 quarter units (3 semester units) of Accounting Ethics. The specialization introduces accounting ethics into our curriculum in addition to other courses that will assist students in preparing for professional exams. Interviewing for internships or jobs, networking, and obtaining data analytic skills.

Program Learning Outcomes

Upon successful completion of this program, students will be able to:

- Identify key issues and recognize alternative viewpoints when presented with ethical problems and dilemmas
- Evaluate ethical decision processes between professional accountants and major stakeholders
- Enhance skills to effectively recruit and network within a professional accounting environment
- Demonstrate and apply accounting knowledge to real world situations or professional examination boards
- Communicate and analyze information using advance technology skills

Requirements for the Specialization (4 courses; 18 quarter units)

ACC 515 Accounting Ethics

Choose three of the following:

ACC 520 Professional Exam Review 1
Recommended: Prior completion of: Should have completed approximately 72 quarter units of accounting and/or business.

ACC 525 Professional Exam Review 2
Prerequisite: ACC 520

ACC 550 Business Professional Develop.

ACC 555 Data Analytics

ACC 591 Accounting Internship

Modified Program Learning Outcomes

MASTER OF ARTS IN HUMAN RESOURCE MANAGEMENT

Faculty Advisor: Bernadette Baum; (858) 642-8404; bbaum@nu.edu

The Master of Arts in Human Resource Management Program is recognized by the Society for Human Resource Management (SHRM) as being fully aligned with its curriculum guidelines.

The Master of Arts in Human Resource Management Program provides students with both the critical skills and knowledge required to be effective in this continuously growing domain through case study, experiential learning opportunities, and best practices. The program serves to increase knowledge, skills and abilities of a professional to perform in a senior management position or as a consultant to organization leadership on matters of human resource management and organizational change.

The MAHRM program integrates the many facets of human resource management in the 21st century through concept, theory, critical analysis and application of recruitment, staffing, training and talent development, compensation and benefits, organizational behavior, performance improvement, technology, legal aspects, labor relations, organizational change and adaptation, ethical issues, and safety concerns in the workplace. The curriculum, incorporating relevant HRM and ODV technology and best practices for both internal practitioners and consultants, offers an in-depth, fully comprehensive curriculum for business professionals to extend their knowledge beyond operations management. This cutting-edge program

is designed to offer an innovative multidisciplinary approach to the growing field of human resource management and the continuum of organizational change in the 21st century.

Program Learning Outcomes

Upon successful completion of this program, students will be able to:

- Complete a job analysis of a specific job to be used for recruiting, selection, performance appraisal, training, and compensation.
- Develop a recruiting plan and design a selection process for recruiting, interviewing, and selecting candidates for employment for jobs within an organization.
- Conduct a needs assessment and design a training program for current employees on a specific topic related to organizational goals.
- Assess benefits relevant to the employee population and organizational structure, and formulate a compensation system based upon merit, knowledge, and skill acquisition.
- Assess and develop methods designed to prevent employer liability and labor relation issues (anti-discrimination statutes, employee and labor relations, union, and nonunion environment issues).
- Develop a consulting proposal and course of action for an organization regarding a particular organizational challenge and/or change process.
- Recognize, analyze, and effectively address ethical, legal, and safety challenges faced in the workplace.

Degree Requirements

To earn a Master of Arts in Human Resource Management degree, students must complete at least 54 quarter units of graduate work. A total of 13.5 quarter units of graduate credits may be granted for equivalent graduate work completed at another institution, as it applies to this degree and provided the units were not used in earning another advanced degree. It is recommended that students take the capstone project class as their last class in the sequence of the program.

Core Requirements (11 courses; 49.5 quarter units)

HRM 660 Theory & Practice of HRM

HRM 630 Legal, Ethical & Safety Issues

HRM 637 Workforce Plan, Dev & Outsource

ODV 606 Seminar in Training & Developm

HRM 667 Compensation & Benefits

HRM 633A Seminar in Employee Relations,

ODV 610 Adv Studies in Org Behavior in

ODV 600 Theory & Practice of OD

ODV 601 Integrating Performance Mgmt
Prerequisite: ODV 600

HRM 669 Research Seminar

HRM 670 Project/Thesis
Prerequisite: HRM 669, and Must complete at least 7 core courses

Program Electives (1 course; 4.5 quarter units)

To complete their program, students must select electives from any graduate level course offered by the School of Business and Management. Highly recommended in the choice of electives are FIN 600, Finance for Non-Financial Managers, and MGT 635, The Organizational Consulting Process. In the alternative, students may complete their program by completing the following specialization.

Associated with MASTER OF ARTS IN HUMAN RESOURCE MANAGEMENT

Specialization in Organizational Leadership

Faculty Advisor: Julia Buchanan; (858) 642-8453; jbuchanan@nu.edu

See General Catalog for Specialization requirements.

MASTER OF BUSINESS ADMINISTRATION

Faculty Advisor: Kamlesh Mehta; (858) 642-8489; kmehta@nu.edu

Prospective International Students

Contact an advisor at isa@nu.edu or 1-800-NAT-UNIV

Prospective Domestic Students

Contact an advisor at advisor@nu.edu or 1-800-NAT-UNIV

Current MBA Students

Contact your assigned advisor at advisor@nu.edu or 1-800-NAT-UNIV

The mission of the Master of Business Administration (MBA) program is to prepare students for leadership positions in business and to provide them with the knowledge and skills needed to successfully manage organizations in an ever-changing business environment. The MBA program imparts the conceptual understanding and application of problem-solving tools contained in basic business disciplines, including accounting, economics, data analysis, finance, management, leadership, and marketing. In addition, students are equipped with the skills needed for effective team-building, quantitative and qualitative decision-making, and creative problem-solving. To ensure that MBA program meets the needs of today's leaders and managers, the program is dedicated to the following 5 themes:

1. Relevance

The MBA program has been designed based on the demands in both domestic and global market place.

2. Accessibility and Support

The MBA program is available to students in both online and onsite. Upon admission to the MBA program, students will be assigned to a faculty advisor to assist them throughout the program in making appropriate decisions about educational and career-related issues.

3. Specialization

Students may design their degree as a general business program or may choose to specialize in a particular discipline.

4. Application

The MBA program imparts the conceptual understanding and application of problem-solving tools contained in basic business disciplines. It also addresses the interests of the stakeholders of an enterprise and of the communities in which the enterprise is operating.

5. Technology

In order to fulfill the learning outcomes, classes will integrate current technology in traditional onsite classes as well as in web-enhanced online classes.

Contact the Faculty Advisor

All students are encouraged to contact an Admissions Advisor (see contact information listed above) for any information related to the MBA degree program and for the purpose of reviewing the student's career objectives and providing guidance regarding the courses and/or specialization to be selected. For specific information not addressed by the advisor, please contact the Lead Faculty for the MBA Program.

MBA Transition Program

National University students who completed a transition program as part of their undergraduate degree and who satisfy MBA transition program requirements described in the catalog description of various undergraduate programs must complete a minimum of 49.5 quarter units for their MBA degree. The number of units required for the MBA program is dependent on the coursework completed in the Bachelors transition program and the grades earned.

Basic English and Math Skills

It is strongly recommended that students who are unsure about having adequate English writing or math skills take one or both one-hour Accuplacer tests to determine their level of competency. If below the minimum level needed to be comfortable and ensure success in the MBA program, students should seriously consider enrolling in appropriate writing skill courses. If a student has already taken the GRE or GMAT, a score of at least of 480 (verbal) and 570 (quantitative) on the GRE or a score of at least 550 on the GMAT indicates adequate proficiency.

Program Learning Outcomes

Upon successful completion of this program, students will be able to:

- **Value Creation** – Evaluate the systems and processes used throughout an organization including the planning, decision-making, group dynamics, innovation, production, supply chain, operations, technologies, marketing and distribution and management.
- **Leadership and Governance** – Demonstrate leadership ability and management skills within an environment of change to meet the objectives of the stakeholders of the organization.
- **Global Awareness & Citizenship** – Evaluate the forces in the global business environment, including social responsibility, sustainability, ethics, and the risk and opportunities associated with operating within a multi-cultural, business environment.
- **Quantitative Analysis** – Apply economic models, accounting principles, statistical techniques, and financial theories, analysis, and reporting in business decision-making.
- **Communication and Presentation** – Demonstrate effective business communication skills through written reports, presentations, and working in a collaborative, team setting.
- **Critical thinking, Analysis and Problem Solving** – Design alternatives to solve business problems utilizing quantitative analysis, critical thinking, and sound ethical decision-making.
- **Strategic Planning** – Formulate strategies and policies utilizing environmental and resources assessment, and integrating various functions to achieve the mission and objectives of the organization.

Degree Requirements

To receive an MBA degree, students must complete at least 63 quarter units of graduate credit. A total of 13.5 quarter units of equivalent graduate work may be granted if completed with a grade of "B" or better (3.0 GPA) at another regionally accredited institution as it applies to this degree and provided the units were not used in earning another advanced degree. Please refer to the section on graduate admission procedures for specific information regarding application, evaluation, and the course waiver process.

Self-Paced Foundation Course (optional)

The following non-credit, self-paced, and self-study course is offered online, free of charge to registered MBA students.

BUS 500A Intermediate Algebra (0 quarter units)

Two-Week Foundation Courses (Required)

(2 courses; 4.5 quarter units—no graduate level credit granted)

The following two foundation courses are required for all MBA students, but may be waived if a score of 80 percent or above is achieved on a challenge exam. Rather than being self-study and self-paced, these courses are scheduled in normal fashion with qualified instructors. Each course is two weeks long: ACC 501 is offered in the first two weeks of an academic month and FIN 501 is offered in the second two weeks. The two courses are offered online and at certain onsite campus locations. Grading is "S" for Satisfactory or "U" for Unsatisfactory. Although these courses are prerequisites for certain core courses and, do not provide academic credit, they have substantial content that is not covered in the related core courses and therefore must be successfully completed or waived by achieving a score of 80% on a challenge exam.

ACC 501* Accounting Fundamentals (1.5 quarter units)

FIN 501 Finance Fundamentals (3 quarter units)

Prerequisite: ACC 501 or ACC 201

* Students who have an undergraduate or graduate degree in accountancy are waived of ACC 501. Students who have recently taken a basic course in accounting such as ACC 201 or ACC601M should consider taking the challenge exam.

Module I – Tools for Problem-Solving*

Core Requirements (8 courses; 36 quarter units)

MGT 605	Organization Mgmt & Leadership
MKT 602	Marketing Management
IBU 606	Global Business
MNS 601	Statistics for Business
ACC 604***	Managerial Accounting <i>Prerequisite: ACC 501</i>
ECO 607**	Eco. for Managerial Decisions <i>Recommended: Prior completion of: BUS 500A</i>
MGT 608	Managerial Support Systems
FIN 609A	Seminar in Financial Management <i>Prerequisite: FIN 310 or FIN 501</i>

* Up to three of the eight Module I courses may be waived by a student who has taken an undergraduate course in a similar subject and can demonstrate sufficient knowledge retention by achieving a score of 84 percent or above on a graduate level challenge exam.

Students may then make up the quarter units needed to meet the 63 quarter units required for the degree by taking an additional graduate level course offered by the School of Business and Management. The fifth course of a five-course specialization would also provide the required quarter units.

** It is strongly recommended that students take BUS500A.

*** Students who successfully complete both ACC630M and ACC631M are waived of ACC604 but must replace the quarter units by taking a graduate level course offered by the School of Business and Management.

Module II – Application and Integration (2 courses; 9 quarter units)

Prerequisites

All Module I courses must be completed before taking either of the Module II courses.

MGT 685C	Business Strategy and Policy <i>Prerequisite: MGT 605, MGT 608, MKT 602, MNS 601, ECO 607, ECO 602, ACC 604 and FIN 609A</i>
MGT 695C	Capstone <i>Prerequisite: MGT 605, MGT 608, MKT 602, ECO 607, MNS 601, ACC 604, FIN 609A and ECO 602</i>

General Electives (4 courses; 18 quarter units)

Students may select any graduate courses offered by the School of Business and Management, including BUS 691 Internship Project. As an alternative, students may enroll in an Area of Specialization (see below). Some of the specializations require five rather than four courses. The fifth course is the capstone for the area of specialization that can be used to replace MGT695C in the Module II. Also, if a student can successfully challenge one of the Module I courses (with approval of the Lead Faculty), the fifth specialization course can be used to replace the quarter units of the waived course.

LED 601	Ethics and Classic Theories
IBU 540	International Experience
MGT 625	Managerial Communication

MGT 652 Business Simulation
Prerequisite: MGT 602

BIM 610 Strategic Decision Systems

MBA Specialization

Requirements for Specialization (4-7 courses; 18-31.5 quarter units)

In lieu of general electives, students can choose an Area of Specialization. In order to graduate with a specialization, students must complete all courses specified in the desired area in addition to all Module I and Module II requirements except the area of specializations that have a capstone course. In that case students are required to take only MGT685C in the Module II.

Programs Associated with Master of Business Administration

- Specialization in Accounting Professional Skills ***Modified***
- Specialization in Financial Management ***Modified***
- Specialization in Human Resource Management
- Specialization in International Business
- Specialization in Integrated Marketing Communication
- Specialization in Management Accounting
- Specialization in Marketing ***Modified***
- Specialization in Mobile Marketing and Social Media
- Specialization in Organizational Leadership

Specialization in Accounting Professional Skills

Faculty Advisor: Sharon Lightner; (858) 642-8663; slightner@nu.edu
Faculty Advisor: Russell Parkman; (858) 642-8462; rparkman@nu.edu

This specialization is designed for students to obtain additional coursework and skills necessary for many professional opportunities in the field of accounting. For instance, to be a licensed CPA in the state of CA, students need 180 quarter units (120 semester units). Units may be obtained at the undergraduate or graduate level. The only units that are specified is 4.5 quarter units (3 semester units) of Accounting Ethics. The specialization introduces accounting ethics into our curriculum in addition to other courses that will assist students in preparing for professional exams. Interviewing for internships or jobs, networking, and obtaining data analytic skills.

Program Learning Outcomes

Upon successful completion of this program, students will be able to:

- Identify key issues and recognize alternative viewpoints when presented with ethical problems and dilemmas
- Evaluate ethical decision processes between professional accountants and major stakeholders
- Enhance skills to effectively recruit and network within a professional accounting environment
- Demonstrate and apply accounting knowledge to real world situations or professional examination boards
- Communicate and analyze information using advance technology skills

Requirements for the Specialization (4 courses; 18 quarter units)

ACC 515 Accounting Ethics

and

Choose three (3) of the following:

- ACC 520 Professional Exam Review 1
Recommended: Prior completion of: Should have completed approximately 72 quarter units of accounting and/or business
- ACC 525 Professional Exam Review 2
Prerequisite: ACC 520

ACC 550 Business Professional Develop.

ACC 555 Data Analytics

ACC 591 Accounting Internship

Capstone Requirement* (1 course; 4.5 quarter units)

ACC 695M Cases in Accounting & Auditing

Prerequisite: Completion of prior core requirements

***Note:** Students who belong to the Master of Business Administration must complete a total of five courses including ACC 695M, which is in lieu of MGT 695C.

Modified Program Learning Outcomes

Specialization in Financial Management

Faculty Advisor: Farhang Mossavar-Rahmani; (858) 642-8409; fmossava@nu.edu

The field of finance has undergone great changes in the last decade and now represents one of the most dynamic activities within companies of all sizes, as well as within nonprofit and governmental organizations. Executives with a background in finance head about one out of every three corporations today.

The financial management program is designed to provide both a sound theoretical and a conceptual framework for financial managers. Special emphasis is placed on growth and diversification policies, evaluation and management of securities portfolios, investment banking and merger strategies, analysis of foreign exchange rate movements, formulation of plans to reduce foreign exchange risk exposure and case and/or research projects dealing with contemporary financial issues.

Program Learning Outcomes

Upon successful completion of this program, students will be able to:
Evaluate the financial condition of the company and recommend the proper course of actions.

Appraise securities portfolios and investment proposal and evaluate the relationship among the returns for foreign and domestic investment instruments.

Program Requirements (5 courses; 22.5 quarter units)

FIN 610 Topics in Financial Management
Prerequisite: FIN 609A

FIN 631 Security Analysis & Portfolio
Prerequisite: FIN 609A

FIN 635 International Finance
Prerequisite: FIN 609A

FIN 674 Managing Financial Institution
Prerequisite: FIN 609A

FIN 655 Finance Research Project
Prerequisite: FIN 609A and minimum of 36 quarter units of core courses

Modified Program Learning Outcomes

Specialization in Marketing

Faculty Advisor: Mary Beth McCabe; (858) 488-2867; mmccabe@nu.edu

The Marketing specialization allows students to gain an understanding of how marketing relates to all the other functions of a business and how to integrate marketing into everything the business does. The Marketing pathway aims to promote a comprehensive understanding of the role of marketing management in consumer, industrial markets and service industries in addition to developing problem-solving and decision-making capabilities in these fields. Marketing concepts provide valuable insights into the various exchange processes involved in consumer, business-to-business, and non-profit settings, around the globe. The purpose of this is to develop a critical and analytical approach to marketing managers' tasks within the context of the organization as a whole.

Students interested in the marketing specialization should be curious about why customers buy what they do and how product development, branding, pricing, and other elements of the marketing mix affect consumer choices. Beyond the first-core marketing management class as part of general MBA program, specialization students are required to take market research, consumer behavior, global marketing, strategic operational marketing and marketing practicum (capstone). Marketing practicum is an integrative course and the capstone for the specialization. The principal outcome of the capstone course will be the completion of a project to integrate various functional areas of marketing. After completing the Marketing AOS---students are expected to develop knowledge, understanding, and cognitive, intellectual, practical and transferable marketing skills.

Program Learning Outcomes

Upon successful completion of this program, students will be able to:

- Evaluate marketing opportunities and successful strategies.
- Apply principles and theories of marketing strategies for management decision making.
- Synthesize varying marketing, operations, personnel and financial initiatives.

Program Requirements (4 courses; 18 quarter units)

MKT 620 Consumer Behavior
Prerequisite: MKT 602

MKT 631 Global Marketing
Prerequisite: MKT 602

MKT 634 Market Research
Prerequisite: MKT 602

MKT 660 Strategic Marketing Simulation
Prerequisite: MKT 602, MKT 620, MKT 631 and MKT 634

SANFORD COLLEGE OF EDUCATION

UNDERGRADUATE DEGREE

Modified Program

BACHELOR OF ARTS

MAJOR IN ENGLISH EDUCATION WITH NEVADA SECONDARY LICENSURE

Faculty Advisor: Patricia Traynor-Nilsen; (702) 531-7807; ptraynormilsen@nu.edu

The Bachelor of Arts in English Education with Nevada Secondary Licensure provides a rigorous education that prepares candidates for a career as a teacher of English at the middle and secondary school levels. The program stresses literary analysis, diversity and critical thinking and written and oral communication skills through a rigorous curriculum of literature, composition, language and linguistics and a communication studies. This program prepares candidates for professional work as secondary teachers in a changing cultural and economic environment.

Program Learning Outcomes

Upon successful completion of this program, students will be able to:

- Demonstrate familiarity with major British and American writers and their works.
- Demonstrate knowledge of the major periods and movements of British and American literary history
- Demonstrate an appreciation of the role of marginalized or oppositional voices in the evolution of the literary tradition and literary history.
- Demonstrate the ability to analyze and interpret literary works within their historical and cultural contexts
- Demonstrate the ability to analyze and interpret works of literature in the context of generic conventions.

- Demonstrate the ability to analyze and interpret the use and effects of literary and rhetorical features of literary texts.
- Demonstrate understanding of major critical approaches to the interpretation of literature.
- Demonstrate the ability to compose sophisticated written works of literary analysis, incorporating appropriate close reading, research, and writing skills.
- Demonstrate application of educational technology to meet the needs of all learners including those with special needs linguistically and culturally diverse students.
- Demonstrate knowledge of adolescent development in order to explain how to support growth in cognitive, social, physical and emotional domains.
- Demonstrate a thorough understanding of the learning needs of students to create positive learning environment that ensure healthy human growth.
- Utilize systematic observations, documentation, and other effective assessment strategies in a responsible manner to facilitate and account for learning and to support positive growth.
- Design, implement, and evaluate standards-based lesson plans for learning and achievement in content areas.
- Demonstrate professional standards and ethics.
- Utilize different teaching strategies to accomplish the teaching and learning goals

Degree Requirements

To receive a Bachelor of Arts in English Education with Nevada Secondary Licensure candidates must complete at least 180 quarter units as articulated below, 45 of which must be completed in residence at National University and 76.5 of which must be completed at the upper-division level. The following courses are specific degree requirements. Candidates must receive passing scores on PRAXIS I & II.

Preparation for the Major (4 courses; 15 quarter units)

- ENG 310 English Grammar
Prerequisite: ENG 101
- ENG 350 Fundamentals of Linguistics
Prerequisite: ENG 100 and ENG 101
- HIS 375 Nevada History, Gov't and Cons
Prerequisite: ENG 100 and ENG 101
- TED 320 Introduction to Teaching (1.5 quarter units)

Passage of PRAXIS I Examination is required before beginning coursework for the major.

Requirements for the Major (24 courses; 106.5 quarter units)

All Teacher Education courses (TED) have a field experience component. Students must maintain a 3.0 GPA within all TED coursework and grades of "D" or "F" are not acceptable in TED courses. All major coursework must be completed and PRAXIS II passed prior to student teaching.

English Major Requirements (10 courses; 45 quarter units)

- COM 360 Representation in the Media
Prerequisite: ENG 100 and ENG 101
- or
- ART 315 Film as Art
Prerequisite: ENG 100 and ENG 101
- ENG 375 Nature Writing
Prerequisite: ENG 100 and ENG 101
- LIT 311 British Literature I
Prerequisite: LIT 100 and ENG 240

- LIT 312 British Literature II
Prerequisite: LIT 100 and ENG 240
- LIT 321 American Literature I
Prerequisite: LIT 100 and ENG 240
- LIT 322 American Literature II
Prerequisite: LIT 100 and ENG 240
- LIT 338 Shakespeare
Prerequisite: LIT 100 and ENG 240
- LIT 463 20th Century World Literature
Prerequisite: LIT 100 and ENG 240
- LIT 360 Literary Theory
Prerequisite: LIT 100

Choose one of the following:

- LIT 345 Mythology
Prerequisite: LIT 100 and ENG 240
- LIT 430 Children's Literature
Prerequisite: LIT 100 and ENG 240
- LIT 460 Gender and Literature
Prerequisite: LIT 100 and ENG 240

Education Theory and Methodology Major Requirements (9 courses; 40.5 quarter units)

- TED 300 Fundamentals of Education
Prerequisite: TED 320 or TED 306 or TED 305
- TED 310 Development and Learning
Prerequisite: TED 305 or TED 320 or TED 306
- TED 330B Reading and Language Arts
Prerequisite: TED 305 or TED 320
- TED 340 Content Area Reading Methods
Prerequisite: TED 305 or TED 320
- TED 410 Survey of Multicultural Lit.
Prerequisite: TED 305 or TED 320 or TED 306
- TED 420 Diversity in Schooling
Prerequisite: TED 305 or TED 320
- TED 430 Special Needs Students
Prerequisite: TED 305 or TED 320 or TED 306
- TED 440 Leadership and Assessment
Prerequisite: TED 305 or TED 320 or TED 306
- TED 450 Methods of Teaching English
Prerequisite: TED 305 or TED 320

Student Teaching Requirements (5 courses; 21 quarter units)

Candidates must pass PRAXIS I & II and must have documented 60 hours in field experience prior to student teaching. TED 465 A, B, C, and D are field experiences receiving an honors, satisfactory, or unsatisfactory grade and are not factored into the cumulative GPA.

- TED 465A Student Teaching I
Prerequisite: Completion of all upper division course requirements, including all TED coursework.
- TED 465B Student Teaching II
Prerequisite: Completion of all upper-division course requirements, including all TED coursework.

- TED 465C Student Teaching III
Prerequisite: Completion of all upper-division course requirements, including all TED coursework.
- TED 465D Student Teaching IV
Prerequisite: Completion of all upper-division course requirements, including all TED coursework.
- TED 470 Student Teach/E-Portfolio (3 quarter units)
Prerequisite: Completion of all course requirements and Admission to Student Teaching, this course must be taken concurrently with TED 465A-D

GRADUATE DEGREE

Modified Program

MASTER OF EDUCATION WITH A PRELIMINARY MULTIPLE OR SINGLE SUBJECT TEACHING CREDENTIAL AND INTERNSHIP OPTION (CALIFORNIA)

Faculty Advisor: Clara Amador-Lankster; (714) 965-0280; camadorl@nu.edu

The Master of Education with a Multiple or Single Subject Teaching Credential is designed for candidates dedicated to instructional leadership in the P-12 settings. Courses meet the California Commission on Teacher Credentialing (CTC) requirements for a Preliminary Multiple or Single Subject teaching credential and meet requirements for a master's degree. Candidates desiring a Master's degree and not seeking to achieve a Preliminary Multiple or Single Subject teaching credential or those who already hold a Multiple or Single Subject teaching credential should enroll in the Master of Arts in Teaching.

As this is a joint program students must complete all coursework in order to be eligible for the degree, including student teaching or internship, and one of the five specializations.

***Please Note:** Students need to satisfy/pass the Basic Skills Requirement (e.g., CBEST) and Subject Matter Competency Requirement (e.g., CSET) early (prior to Credential Area Methods coursework) into their programs to avoid interruptions to program progress and/or financial aid arrangements.

For additional information on credential requirements, please see the Sanford College of Education Credential Information.

Program Learning Outcomes

Upon successful completion of this program, students will be able to:

- Integrate knowledge and abilities in making subject matter comprehensible for all P-12 learners, including those with diverse learning needs.
- Integrate knowledge and abilities in assessing all P-12 learners, including those with diverse learning needs.
- Integrate knowledge and abilities in engaging/supporting all P-12 learners, including those with diverse learning needs.
- Integrate knowledge and abilities in designing/planning learning experiences for all P-12 learners, including those with diverse learning needs.
- Integrate knowledge and abilities in creating/maintaining effective learning environments for all P-12 learners, including those with diverse learning needs.
- Integrate knowledge and abilities in being a legal, ethical, and professional educator for all P-12 learners, including those with diverse learning needs.
- Analyze the application of educational research, evidence-based practices, and academic writing.

Degree Requirements (18-19 courses; 76.5-85.5 quarter units)

To receive a Master of Education with California Preliminary Multiple or Single Subject Teaching Credential, candidates must complete at least 58.5 quarter units of graduate credit of which 48 quarter units must be taken in residence at National University. Further information on graduate admission and evaluation can be found in the Academic Information for Graduate Degrees section of the catalog.

Candidates choosing the Internship option to obtain the Preliminary Multiple or Single Subject Teaching Credential will need to meet the Internship Eligibility requirements.

Candidates pursuing the Internship option to obtain a Preliminary Multiple or Single Subject teaching credential will need to meet the Internship Eligibility requirements as outlined in the Credential Information section of the catalog. The Commission on Teacher Credentialing (CTC) mandates all approved internship programs require a minimum of 120 hours of pre-service coursework (TED 621A or TED 623, TED 621B or TED 634, TED 626) prior to becoming eligible for the Internship Option.

The CA Education Code stipulates a minimum of 144 hours of support and supervision must be provided to the candidate each year of intern employment and documented. Interns without a valid English Learner (EL) Authorization from CTC will be required to receive an additional 45 hours of EL preparation support each year of intern employment (Total 189 hours).

This Internship Option requires the successful completion of the internship clinical practice experience (minimum 1 year). In the event, all program requirements have not been met during the first year and intern employment continues during the second year, National University must provide additional ongoing support and supervision. All candidates holding a valid University Internship Credential will be required to be continuously enrolled in clinical practice support and supervision (TED 628A, TED 628B or TED628C).

Interns in the Early Completion Option (ECO) route are still required to receive the general support and supervision provided to all interns while they are serving on an Intern credential.

Corequisites (2 courses; 9 quarter units)

- HEDX 1101X Intro Health Ed: K-12
EDX 1201X Computer Tech in Classroom

Core Requirements (6 courses; 27 quarter units)

- TED 602 Educational Foundations
SPD 604 Psychological Fdns of Educ.
TED 606 Equity and Diversity
SPD 608 Exceptionalities
TED 626* Classroom Management
Prerequisite: TED 623 or TED 621A
TED 690 Capstone
Prerequisite: TED 530B with a minimum grade of S or TED 628I with a minimum grade of S or TED 640B with a minimum grade of S or TED 628B with a minimum grade of S

* Internship Pre-Service course.

Select one of the following Teacher Credential Areas:

Teacher Credential Areas: Multiple Subject or Single Subject Methods (4 courses; 18 quarter units)

Multiple Subject

- TED 621A* Lang. Dev. Methods: Elem. Sch.
Prerequisite: SPD 604, SPD 608, TED 602, TED 606, Pass CBEST and CSET
TED 621B* Reading/Lang. Arts Methods
Prerequisite: TED 621A
TED 635 Methods:History/SS-Heal-PE-Art
Prerequisite: TED 621A with a minimum grade of C

TED 636 Methods: Mathematics-Science
Prerequisite: TED 621A with a minimum grade of C

or

Single Subject

TED 623* Lang. Dev. Methods: Secondary
Prerequisite: TED 602, SPD 604, TED 606, SPD 608, Pass CBEST and CSET

TED 632 Content Area Curriculum
Prerequisite: TED 623

TED 633 Content Area Instruct-Assess
Prerequisite: TED 623 with a minimum grade of C

TED 634* Content Area Literacy
Prerequisite: TED 623

* Internship Pre-Service course.

Clinical Practice Path: Student Teaching or Internship (Student Teaching 4 courses; 13.5 quarter units or Internship 5 courses; 18.0 quarter units)

The clinical practice (K-12 classroom) experience courses (TED 530A, TED 530B, TED 628A and TED 628B) do NOT grant graduate credit.

STUDENT TEACHING will be arranged by the university for candidates who have completed all program coursework and met all program/state requirements. Student Teaching is unpaid and a minimum 80 instructional days in the PK-12 classrooms.

Student Teaching

TED 530A Student Teaching I
Corequisite: TED 531A

TED 530B Student Teaching II
Prerequisite: TED 530A, Corequisite: TED 531B

TED 531A Student Teaching Seminar I (2.25 quarter units)
Corequisite: TED 530A

TED 531B Student Teaching Seminar II (2.25 quarter units)
Prerequisite: TED 530A with a minimum grade of S and TED 531A with a minimum grade of S and Corequisite: TED 530B

or

INTERNSHIPS will result through an offer of employment from a CA public school in partnership with National University. Intern placements will be required to align to the credential sought in compliance with the Commission on Teacher Credentialing. Interns need to be in good standing with both the employer and National University for the duration of the active Internship Teaching Credential. Internship Clinical Practice is paid and it is a minimum of one year long while the candidate holds employment as a teacher of record in a public school.

Internship

TED 610 Best Internship Practices
Prerequisite: Admission to the intern program

TED 628A Internship Clinical Practice I
Corequisite: TED 610 and TED 631A

TED 628B Internship Clinical Pract. II
Prerequisite: TED 628A, Corequisite: TED 631B

TED 631A Internship Seminar I (2.25 quarter units)
Prerequisite: TED 610

TED 631B Internship Seminar II (2.25 quarter units)
Prerequisite: TED 631A and TED 628A, Corequisite: TED 628B

Additional Requirements

This course may be required to fulfill internship hour requirements. It may be taken a maximum of eight times to complete internship hours. Does not grant graduate units toward graduate degree, however tuition is applied for each attempt.

TED 628C Clinical Practice III (2.25 quarter units)
Prerequisite: TED 628A, TED 631A, TED 631B and TED 628B

Candidates must choose one of the following Areas of Specializations:

Please see the General catalog for Specialization requirements.

- Specialization in Best Practices
- Specialization in e-Teaching and Learning
- Specialization in Educational Technology
- Specialization in Teacher Leadership
- Specialization in Teaching Mathematics
- Specialization in US Education in a Global Context

Modified Specialization

Specialization in Teaching Mathematics

Faculty Advisor: Zhonghe Wu; (714) 429-5144; zwu@nu.edu

Plans containing this specialization

- Master of Arts in Education with a Specialization in Teaching Mathematics
- Master of Arts in Teaching with a Specialization in Teaching Mathematics
- Master of Education with a Preliminary Multiple or Single Subject Teaching Credential and Internship Option (California) with Specialization in Teaching Mathematics

Designed to improve the quality of teaching mathematics in grades K-9, courses focus on the pedagogy of mathematics and the development of balanced instructional programs that meet the needs of today's diverse students. In order to be successful in this program, potential candidates should have basic mathematics knowledge and skills (equivalent to CSET multiple subject and Praxis II elementary education) or above.

Program Learning Outcomes

Upon successful completion of this program, students will be able to:

- Analyze current principles, state and national standards, trends and issues in teaching Mathematics in grades K-9.
- Demonstrate the ability to develop a balanced program of mathematics instruction that includes conceptual understanding, procedural fluency and problem solving in Algebra, Geometry, Statistics, Probability and Number Theory.
- Apply evidence-based best practices research in the delivery and evaluation of a balanced mathematics education program.

Required Courses (4 courses; 18 quarter units)

MAT 635 Contemporary Issues/Challenges

MAT 636 Teaching Algebra/Number Theory
Prerequisite: MAT 635

MAT 637 Teaching Geometry/Meaning
Prerequisite: MAT 635 and MAT 636

MAT 638 Teaching Probability/Stats
Prerequisite: MAT 635, MAT 636 and MAT 637

MASTER OF SCIENCE IN SPECIAL EDUCATION

Faculty Advisor: Myrtice Irish; (909) 919-7634; mirish@nu.edu

The Master of Science in Special Education is designed for educators and other professionals who want to gain knowledge and skills in working with students

who have disabilities and other special needs. Students will learn about educational learning problems and teaching strategies to enhance the performance of students. The Program is aligned with the Education Specialist Authorizations and standards of the California Commission on Teacher Credentialing.

Students may obtain a California Teaching Credential in Special Education while completing their master's degree. Please see completion requirements under Education Specialist in the Sanford College of Education's Credential Programs section.

Program Learning Outcomes

Upon successful completion of this program, students will be able to:

- Demonstrate competence in the application of research methods including critiquing and synthesizing current educational literature.
- Demonstrate appropriate standards of conduct; practice within legal and ethical parameters.
- Develop skills to become a change agent and advocate for exceptional individuals, including diverse learners.
- Demonstrate an understanding of federal and state laws, legislation and judicial decisions regarding exceptional individuals.
- Demonstrate competence in instructional design including adaptations required to assist diverse special education learners achieve the state standards for curriculum.
- Demonstrate competence in positive behavioral support.
- Demonstrate expertise in use of adaptive and augmentative technology.
- Demonstrate the knowledge, skills and dispositions to actively and creatively engage and support all students in learning.
- Strive to become a continuous learner, a scholar, a collaborative community service member and a responsible citizen.

Degree Requirements (16-17 courses; 72-76.5 quarter units)

To receive a Master of Science in Special Education students must complete at least 72 quarter units of graduate work. A total of 13.5 quarter units of graduate credit may be granted for equivalent graduate work completed at another institution, as it applies to this degree and if the units were not used in earning another advanced degree. Course equivalence cannot be granted for life experience. Students must complete all coursework with a GPA of 3.0 or better within seven years. Any courses taken more than seven years ago must be repeated.

Core Requirements (12 courses; 54 quarter units)

TED 602 Educational Foundations

SPD 604 Psychological Fdns of Educ.

TED 606 Equity and Diversity

SPD 608 Exceptionalities

TED 621A Lang. Dev. Methods: Elem. Sch.
Prerequisite: SPD 604, SPD 608, TED 602, TED 606, Pass CBEST and CSET

or

TED 623 Lang. Dev. Methods: Secondary
Prerequisite: TED 602, SPD 604, TED 606, SPD 608, Pass CBEST and CSET

TED 621B Reading/Lang. Arts Methods
Prerequisite: TED 621A

SPD 614 Classroom and Behavior Mgmt

SPD 616 Law Collaboration & Transition

SPD 622 Assessment
Prerequisite: Candidates must complete 8 core courses prior to taking this course

SPD 628 Teaching Reading/Lang Arts
Prerequisite: SPD 622

SPD 695 Understanding Edu. Research

SPD 696 Capstone Project
Prerequisite: SPD 695

Requirements for the Specialization (4-5 courses; 18-22.5 quarter units)

All students must choose one specialization defined below:

Specialization in Deaf and Hard-of-Hearing

Faculty Advisor: Cheryl Dean; (858) 642-8371; cdean@nu.edu

The specialization in Deaf and Hard of Hearing is designed for educators and other professionals who want to become knowledgeable about teaching strategies to enhance students who are Deaf or Hard of Hearing.

Program Learning Outcomes

Upon successful completion of this program, students will be able to:

- Identify the etiologies, learning characteristics, language and cognitive development related to hearing loss.
- Communicate using a variety of strategies in signed and spoken language to interact directly and effectively with students who are deaf or hard of hearing, deaf-blind and/or with additional disabilities.
- Apply techniques that develop age appropriate language and cognitive skills, using both visual (signed) and/or auditory (spoken) input for students who are deaf or hard of hearing including those who are deaf-blind with additional disabilities.
- Collaborate effectively with a multi-disciplinary educational team to provide assessments, planning, and implementation strategies for children birth to age 5 that are deaf or hard of hearing, deaf-blind and/or with additional disabilities.
- Analyze the characteristics of students who are deaf or hard of hearing and exhibit additional disabilities that are associated with hearing loss and identify behaviors that require specialized instruction and/or adaptation and/or modifications in instruction.

Degree Requirements

To receive a California Preliminary Education Specialist Teaching Credential, candidates are required to successfully complete core courses, specific program (advanced) courses, and a clinical practice path to supervised teaching (student teaching or internship).

Candidates choosing the Internship option to obtain the Preliminary Education Specialist: Mild/Moderate, Moderate/Severe, Language and Academic Development (LAD) or Deaf and Hard of Hearing teaching credential will need to meet the Internship Eligibility requirements.

The CTC mandates that all approved internship programs require a minimum of 120 hours of pre-service coursework prior to becoming the teacher of record. Forty clock hours are equal to 4.5 quarter units. These pre-service courses must be successfully completed prior to eligibility for completing the internship option.

The CTC mandates that interns must be supported during their entire internship experience.

Core Requirements (5 courses; 22.5 quarter units)

DHH 632 Charac of D/HH Learners

DHH 634 Assess & Inst D/HH Birth-5yrs

DHH 636 Language Develop Methods D/HH

DHH 638 Literacy Develop D/HH

DHH 640 Inst D/HH with Special Needs

Clinical Practice Requirements

Students will need to choose from one of the following options: Internship or Student Teaching

Internship Option (4 courses; 13.5 quarter units)

DHH 692A Internship DHH

Prerequisite: SPD 608, SPD 614, TED 621B, Candidates must be admitted to the University internship program.

DHH 692B Internship DHH

Prerequisite: DHH 692A

SPD 698A Internship Seminar (2.25 quarter units)

Prerequisite: SPD 608, SPD 614, TED 621B, Candidates must also complete all pre-requisite requirements for the internship credential as outlined by CTC.

SPD 698B Internship Seminar (2.25 quarter units)

Prerequisite: SPD 608, SPD 614, TED 621B, Candidates must also complete all pre-requisite requirements for the internship credential as outlined by CTC.

Additional Requirements

This course may be required to fulfill internship hour requirements. It may be taken a maximum of eight times to complete internship hours. Does not grant graduate units toward graduate degree, however tuition is applied for each attempt.

DHH 692C Internship Support DHH (2.25 quarter units)

Prerequisite: DHH 692B with a minimum grade of S

OR

Student Teaching Option (4 courses; 13.5 quarter units)

DHH 682A Student Teaching

Corequisite: SPD 688A

DHH 682B Student Teaching

Corequisite: SPD 688B

SPD 688A Clinical Practice Seminar (2.25 quarter units)

Corequisite: SPD 682A or SPD 684A or DHH 682A or LAD 682A

SPD 688B Clinical Practice Seminar (2.25 quarter units)

Corequisite: SPD 682B or SPD 684B or DHH 682B or LAD 682B

Optional

For the Multiple or Single Subject Credential Requirements, please choose one of the following options.

(6-8 courses; 22.5-31.5 quarter units)

Multiple Subject Credential (3 courses; 13.5 quarter units)

TED 635 Methods:History/SS-Heal-PE-Art

Prerequisite: TED 621A with a minimum grade of C

TED 636 Methods: Mathematics-Science

Prerequisite: TED 621A with a minimum grade of C

TED 626 Classroom Management

Prerequisite: TED 623 or TED 621A

OR

Single Subject Credential (3 courses; 13.5 quarter units)

TED 632 Content Area Curriculum

Prerequisite: TED 623

TED 633 Content Area Instruct-Assess

Prerequisite: TED 623 with a minimum grade of C

TED 626 Classroom Management

Prerequisite: TED 623 or TED 621A

AND

Choose from one of the following options:

Student Teaching Option (3 courses; 9 quarter units)

TED 530A Student Teaching I

Corequisite: TED 531A

TED 531A Student Teaching Seminar I (2.25 quarter units)

Corequisite: TED 530A

TED 531B Student Teaching Seminar II (2.25 quarter units)

Corequisite: TED 530B, Prerequisite: TED 530A with a minimum grade of S and TED 531A with a minimum grade of S

OR

Internship Option (5 courses; 18 quarter units)

TED 610 Best Internship Practices

Prerequisite: Admission to the intern program

TED 628A Internship Clinical Practice I

Corequisite: TED 610 and TED 631A

TED 631A Internship Seminar I (2.25 quarter units)

Prerequisite: TED 610

TED 628B Internship Clinical Pract. II

Prerequisite: TED 628A, Corequisite: TED 631B

TED 631B Internship Seminar II (2.25 quarter units)

Prerequisite: TED 631A and TED 628A, Corequisite: TED 628B

Additional Requirements

This course may be required to fulfill internship hour requirements. It may be taken a maximum of eight times to complete internship hours. Does not grant graduate units toward graduate degree, however tuition is applied for each attempt.

TED 628C Clinical Practice III (2.25 quarter units)

Prerequisite: TED 628A, TED 631A, TED 631B and TED 628B

Specialization in Language and Academic Development

Faculty Advisor: Bonnie Plummer; (916) 855-4107; bplummer@nu.edu

The Language and Academic Development specialization prepares educators to address the language development needs of a large number of P-12 students with disabilities who have difficulty in the following areas: language development, social communication, school readiness skills, literacy development, and with academic competencies across the curriculum in listening, speaking, reading, writing as well as communication and language literacy skills.

Candidates completing this credential specialization are prepared to teach students with disabilities in classrooms and inclusive settings as teachers, co teachers and consultants. Candidates have the option of completing traditional student teaching or participating in an internship to fulfill the final clinical practice requirement.

Program Learning Outcomes

Upon successful completion of this program, students will be able to:

- Analyze the implications of the characteristics of students with language and academic development needs including academic competencies across the curriculum in listening, speaking, reading, writing and who demonstrate lack of communication and language literacy skills to access and benefit from academic instruction.

- Analyze students' language development across disabilities and the life span including typical and atypical language development, communication skills, social pragmatics as it relates to the acquisition of academic knowledge and skills.
- Differentiate between language disorders, disabilities, and language difference in order to identify and utilize current research based strategies, methods, and materials for the development of fluent reading in students across ages and across an array of environments, including speakers of English and English Language learners.
- Assess the impact of sensory deficits on the development and application of language, verbal and non-verbal communication abilities and needs in order to identify and implement effective intervention techniques for social communication and activities to engage students with communication disabilities in classroom and social activities.
- Utilize and interpret a variety of assessments for students with communication disabilities in order to collaborate with educators and parents to make educational decisions based on the data and apply instructional models and strategies that align with ongoing assessment results.
- Select and implement evidence-based curricula and instructional methods that are effective with students with language and communication disabilities including specially designed curricula and methods for language and literacy development, quantitative reasoning, and reading/language arts instruction to enable individuals to access the core curriculum.

Degree Requirements

To receive a California Preliminary Education Specialist Teaching Credential, candidates are required to successfully complete core courses, specific program (advanced) courses, and a clinical practice path to supervised teaching (student teaching or internship).

Candidates choosing the Internship option to obtain the Preliminary Education Specialist: Mild/Moderate, Moderate/Severe, Language and Academic Development (LAD) or Deaf and Hard of Hearing teaching credential will need to meet the Internship Eligibility requirements.

The CTC mandates that all approved internship programs require a minimum of 120 hours of pre-service coursework prior to becoming the teacher of record. Forty clock hours are equal to 4.5 quarter units. These pre-service courses must be successfully completed prior to eligibility for completing the internship option.

The CTC mandates that interns must be supported during their entire internship experience.

Specialization Requirements (7-8 courses; 27-31.5 quarter units)

Core Requirements (4 courses; 18 quarter units)

- LAD 632 Speech & Language Development
- LAD 633 Academic Language Assessment
- LAD 634 Curriculum and Instruction
- LAD 635 Intensive Lang. Intervention

Clinical Practice Requirements

Students will need to choose from one of the following options: Internship or Student Teaching

Internship Option (4 courses; 13.5 quarter units)

- LAD 692A Internship LAD
Prerequisite: SPD 608, SPD 614, and TED 621B with a minimum grade of B. Candidates must be admitted to university internship program.
- LAD 692B Internship LAD
Prerequisite: SPD 608, SPD 614, TED 621B and Candidates must be admitted to university internship program.

- SPD 698A Internship Seminar (2.25 quarter units)
Prerequisite: SPD 608, SPD 614, TED 621B, Candidates must also complete all pre-requisite requirements for the internship credential as outlined by CTC.
- SPD 698B Internship Seminar (2.25 quarter units)
Prerequisite: SPD 608, SPD 614, TED 621B, Candidates must also complete all pre-requisite requirements for the internship credential as outlined by CTC.

Additional Requirement

This course may be required to fulfill internship hour requirements. It may be taken a maximum of eight times to complete internship hours. Does not grant graduate units toward graduate degree, however tuition is applied for each attempt.

- LAD 692C Internship Support LAD (2.25 quarter units)
Prerequisite: LAD 692B with a minimum grade of S

OR

Student Teaching Option (4 courses; 13.5 quarter units)

- LAD 682A Student Teaching I
- LAD 682B Student Teaching II
- SPD 688A Clinical Practice Seminar (2.25 quarter units)
Corequisite: SPD 682A or SPD 684A or DHH 682A or LAD 682A
- SPD 688B Clinical Practice Seminar (2.25 quarter units)
Corequisite: SPD 682B or SPD 684B or DHH 682B or LAD 682B

Optional

For the Multiple or Single Subject Credential Requirements, please choose one of the following options.

(5-6 courses; 22.5-25.5 quarter units)

Multiple Subject Credential (3 courses; 13.5 quarter units)

- TED 635 Methods:History/SS-Heal-PE-Art
Prerequisite: TED 621A with a minimum grade of C
- TED 636 Methods: Mathematics-Science
Prerequisite: TED 621A with a minimum grade of C
- TED 626 Classroom Management
Prerequisite: TED 623 or TED 621A

OR

Single Subject Credential (3 courses; 13.5 quarter units)

- TED 632 Content Area Curriculum
Prerequisite: TED 623
- TED 633 Content Area Instruct-Assess
Prerequisite: TED 623 with a minimum grade of C
- TED 626 Classroom Management
Prerequisite: TED 623 or TED 621A

Choose from one of the following options:

Student Teaching Option (3 courses, 9 quarter units)

- TED 530A Student Teaching I
Corequisite: TED 531A
- TED 531A Student Teaching Seminar I (2.25 quarter units)
Corequisite: TED 530A

TED 531B Student Teaching Seminar II (2.25 quarter units)
Corequisite: TED 530B, Prerequisite: TED 530A with a minimum grade of S and TED 531A with a minimum grade of S

OR

**Internship Option
(5 courses; 18 quarter units)**

TED 610 Best Internship Practices
Prerequisite: Admission to the intern program

TED 628A Internship Clinical Practice I
Corequisite: TED 610 and TED 631A

TED 628B Internship Clinical Pract. II
Prerequisite: TED 628A, Corequisite: TED 631B

TED 631A Internship Seminar I (2.25 quarter units)
Prerequisite: TED 610

TED 631B Internship Seminar II (2.25 quarter units)
Prerequisite: TED 631A and TED 628A, Corequisite: TED 628B

Additional Requirements

This course may be required to fulfill internship hour requirements. It may be taken a maximum of eight times to complete internship hours. Does not grant graduate units toward graduate degree, however tuition is applied for each attempt.

TED 628C Clinical Practice III (2.25 quarter units)
Prerequisite: TED 628A, TED 631A, TED 631B and TED 628B

Specialization in Mild/Moderate

Faculty Advisor: Judith Menoher; (530) 226-4012; jmenoher@nu.edu

The Specialization in Mild/Moderate is designed for educators and other professionals who want to become knowledgeable about teaching strategies to enhance individuals with mild/moderate disabilities.

Program Learning Outcomes

Upon successful completion of this program, students will be able to:

- Analyze the implications of characteristics of students with M/M disabilities and autism for service delivery such as placement decisions, IEP development, and instruction.
- Evaluate a variety of appropriate assessments procedures and communicate results in order to use evidence based strategies and the core curriculum in the development of IEP goals and instructional plans for students with M/M disabilities and autism.
- Maintain appropriate educational environments and positive behavioral support to include the school-wide behavior support process for students with M/M disabilities and autism.
- Implement effective methods for teaching reading, speaking, listening, written language, and mathematics to ensure access to the general education curriculum across instructional settings for students with M/M disabilities and autism.
- Exhibit collaborative case management to coordinate the IEP process and address the legal and instructional requirements based on the individual needs of the student with M/M disabilities and autism.

Degree Requirements

To receive a California Preliminary Education Specialist Teaching Credential, candidates are required to successfully complete core courses, specific program (advanced) courses, and a clinical practice path to supervised teaching (student teaching or internship).

Candidates choosing the Internship option to obtain the Preliminary Education Specialist: Mild/Moderate, Moderate/Severe, Language and Academic Development (LAD) or Deaf and Hard of Hearing teaching credential will need to meet the Internship Eligibility requirements.

The CTC mandates that all approved internship programs require a minimum of 120 hours of pre-service coursework prior to becoming the teacher of record. Forty clock hours are equal to 4.5 quarter units. These pre-service courses must be successfully completed prior to eligibility for completing the internship option.

The CTC mandates that interns must be supported during their entire internship experience.

**Specialization Requirements
(8 courses; 31.5 quarter units)**

**Core Requirements
(4 courses; 18 quarter units)**

SPD 632 Charac/Instr Stds w/ M/M Disab

SPD 634 Assess of Std w/ M/M Disab

SPD 636 Teaching Math/Writing for M/M

SPD 638 Content Differentiation

Clinical Practice Requirements

Students will need to choose from one of the following options: Internship or Student Teaching

**Internship Option
(4 courses; 13.5 quarter units)**

SPD 692A Internship M/M
Prerequisite: SPD 608, SPD 614, TED 621B, Candidates must be admitted to the University internship program.

SPD 692B Internship M/M
Prerequisite: SPD 692A

SPD 698A Internship Seminar (2.25 quarter units)
Prerequisite: SPD 608, SPD 614, TED 621B, Candidates must also complete all pre-requisite requirements for the internship credential as outlined by CTC.

SPD 698B Internship Seminar (2.25 quarter units)
Prerequisite: SPD 608, SPD 614, TED 621B, Candidates must also complete all pre-requisite requirements for the internship credential as outlined by CTC.

Additional Requirement

This course may be required to fulfill internship hour requirements. It may be taken a maximum of eight times to complete internship hours. Does not grant graduate units toward graduate degree, however tuition is applied for each attempt.

SPD 692C Internship Support (2.25 quarter units)
Prerequisite: SPD 692B with a minimum grade of S

OR

**Student Teaching Option
(4 courses; 13.5 quarter units)**

SPD 682A Student Teaching M/M
Corequisite: SPD 688A

SPD 682B Student Teaching M/M
Corequisite: SPD 688B

SPD 688A Clinical Practice Seminar (2.25 quarter units)
Corequisite: SPD 682A or SPD 684A or DHH 682A or LAD 682A

SPD 688B Clinical Practice Seminar (2.25 quarter units)
Corequisite: SPD 682B or SPD 684B or DHH 682B or LAD 682B

Optional

For the Multiple or Single Subject Credential Requirements, please choose one of the following options.

(6-8 courses; 22.5-31.5 quarter units)

**Multiple Subject Credential
(3 courses; 13.5 quarter units)**

- TED 635 Methods:History/SS-Heal-PE-Art
Prerequisite: TED 621A with a minimum grade of C
- TED 636 Methods: Mathematics-Science
Prerequisite: TED 621A with a minimum grade of C
- TED 626 Classroom Management
Prerequisite: TED 623 or TED 621A

OR

**Single Subject Credential
(3 courses; 13.5 quarter units)**

- TED 632 Content Area Curriculum
Prerequisite: TED 623
- TED 633 Content Area Instruct-Assess
Prerequisite: TED 623 with a minimum grade of C
- TED 626 Classroom Management
Prerequisite: TED 623 or TED 621A

AND

Choose from one of the following options:

**Student Teaching Option
(3 courses; 9 quarter units)**

- TED 530A Student Teaching I
Corequisite: TED 531A
- TED 531A Student Teaching Seminar I (2.25 quarter units)
Corequisite: TED 530A
- TED 531B Student Teaching Seminar II (2.25 quarter units)
Corequisite: TED 530B, Prerequisite: TED 530A with a minimum grade of S and TED 531A with a minimum grade of S

OR

**Internship Option
(5 courses; 18 quarter units)**

- TED 610 Best Internship Practices
Prerequisite: Admission to the intern program
- TED 628A Internship Clinical Practice I
Corequisite: TED 610 and TED 631A
- TED 628B Internship Clinical Pract. II
Prerequisite: TED 628A, Corequisite: TED 631B
- TED 631A Internship Seminar I (2.25 quarter units)
Prerequisite: TED 610
- TED 631B Internship Seminar II (2.25 quarter units)
Prerequisite: TED 631A and TED 628A, Corequisite: TED 628B

Additional Requirement

This course may be required to fulfill internship hour requirements. It may be taken a maximum of eight times to complete internship hours. Does not grant graduate units toward graduate degree, however tuition is applied for each attempt.

- TED 628C Clinical Practice III (2.25 quarter units)
Prerequisite: TED 628A, TED 631A, TED 631B and TED 628B

Specialization in Moderate/Severe

Faculty Advisor: Mary Lynn Ferguson; (858) 642-8346; mferguson@nu.edu
Faculty Advisor: Nilsa Thorsos; (310) 662-2140; nthorsos@nu.edu

The Specialization in Moderate/Severe program meets the professional program specific standards required by CTC for credentials. Candidates will meet California Standards for the Teaching Profession and Teacher Performance Expectations.

Program Learning Outcomes

Upon successful completion of this program, students will be able to:

- Analyze the implications of the characteristics of students with Moderate/Severe/Profound disabilities for service delivery impacting assessments, IEP development, instruction, and program options.
- Analyze students' verbal and non-verbal communication abilities to develop needed augmentative, alternative or signed systems including assistive technology, to enhance communication, social interaction, academic performance and skill development.
- Evaluate a variety of assessments and procedures to maximize students' participation in standards and evidence-based, academic/life skills/wellness curriculum within IEP goals and objectives across school/community settings.
- Establish and maintain educational environments based upon positive behavior support processes at the individual and school-wide levels.
- Analyze the movement, mobility, sensory, and specialized health care needs to access school and community to the fullest extent using appropriate techniques, procedures, materials, assistive technology, and adaptive equipment.
- Exhibit collaborative case management to coordinate the IEP process and the various transitions experienced by students with Moderate/Severe/Profound disabilities, while addressing the legal and instructional requirements of their IEPs.

Degree Requirements

To receive a California Preliminary Education Specialist Teaching Credential, candidates are required to successfully complete core courses, specific program (advanced) courses, and a clinical practice path to supervised teaching (student teaching or internship).

Candidates choosing the Internship option to obtain the Preliminary Education Specialist: Mild/Moderate, Moderate/Severe, Language and Academic Development (LAD) or Deaf and Hard of Hearing teaching credential will need to meet the Internship Eligibility requirements.

The CTC mandates that all approved internship programs require a minimum of 120 hours of pre-service coursework prior to becoming the teacher of record. Forty clock hours are equal to 4.5 quarter units. These pre-service courses must be successfully completed prior to eligibility for completing the internship option.

The CTC mandates that interns must be supported during their entire internship experience.

**Specialization Requirements
(8 courses; 31.5 quarter units)**

**Core Requirements
(4 courses; 18 quarter units)**

- SPD 642 Academic Instruction M/S
- SPD 644 Life Skills & Transitions M/S
- SPD 646 PBS, Comm & Social Skills M/S
- SPD 648 Medical & Asst Tech Issues M/S

Clinical Practice Requirements

Students will need to choose from one of the following options: Internship or Student Teaching

**Internship Option
(4 courses; 13.5 quarter units)**

- SPD 694A Internship M/S
Prerequisite: SPD 608, SPD 614, TED 621B, Candidates must be admitted to the University internship program.
- SPD 694B Internship M/S
Prerequisite: SPD 694A
- SPD 698A Internship Seminar (2.25 quarter units)
Prerequisite: SPD 608, SPD 614, TED 621B, Candidates must also complete all pre-requisite requirements for the internship credential as outlined by CTC.
- SPD 698B Internship Seminar (2.25 quarter units)
Prerequisite: SPD 608, SPD 614, TED 621B, Candidates must also complete all pre-requisite requirements for the internship credential as outlined by CTC.

Additional Requirement

This course may be required to fulfill internship hour requirements. It may be taken a maximum of eight times to complete internship hours. Does not grant graduate units toward graduate degree, however tuition is applied for each attempt.

- SPD 694C Internship Support M/S (2.25 quarter units)
Prerequisite: SPD 694B with a minimum grade of S

OR

**Student Teaching Option
(4 courses; 13.5 quarter units)**

- SPD 684A Student Teaching M/S
Corequisite: SPD 688A
- SPD 684B Student Teaching M/S
Corequisite: SPD 688B
- SPD 688A Clinical Practice Seminar (2.25 quarter units)
Corequisite: SPD 682A or SPD 684A or DHH 682A or LAD 682
- SPD 688B Clinical Practice Seminar (2.25 quarter units)
Corequisite: SPD 682B or SPD 684B or DHH 682B or LAD 682B

Optional

For the Multiple or Single Subject Credential Requirements, please choose one of the following options.

(6-8 courses; 22.5-31.5 quarter units)

**Multiple Subject Credential
(3 courses; 13.5 quarter units)**

- TED 635 Methods:History/SS-Heal-PE-Art
Prerequisite: TED 621A with a minimum grade of C
- TED 636 Methods: Mathematics-Science
Prerequisite: TED 621A with a minimum grade of C
- TED 626 Classroom Management
Prerequisite: TED 623 or TED 621A

OR

**Single Subject Credential
(3 courses; 13.5 quarter units)**

- TED 632 Content Area Curriculum
Prerequisite: TED 623
- TED 633 Content Area Instruct-Assess
Prerequisite: TED 623 with a minimum grade of C
- TED 626 Classroom Management
Prerequisite: TED 623 or TED 621A

AND

Choose from one of the following options:

**Student Teaching Option
(3 courses; 9 quarter units)**

- TED 530A Student Teaching I
Corequisite: TED 531A
- TED 531A Student Teaching Seminar I (2.25 quarter units)
Corequisite: TED 530A
- TED 531B Student Teaching Seminar II (2.25 quarter units)
Corequisite: TED 530B, Prerequisite: TED 530A with a minimum grade of S and TED 531A with a minimum grade of S

OR

**Internship Option
(5 courses; 18 quarter units)**

- TED 610 Best Internship Practices
Prerequisite: Admission to the intern program
- TED 628A Internship Clinical Practice I
Corequisite: TED 610 and TED 631A
- TED 628B Internship Clinical Pract. II
Prerequisite: TED 628A, Corequisite: TED 631B
- TED 631A Internship Seminar I (2.25 quarter units)
Prerequisite: TED 610
- TED 631B Internship Seminar II (2.25 quarter units)
Prerequisite: TED 631A and TED 628A, Corequisite: TED 628B

Additional Requirement

This course may be required to fulfill internship hour requirements. It may be taken a maximum of eight times to complete internship hours. Does not grant graduate units toward graduate degree, however tuition is applied for each attempt.

- TED 628C Clinical Practice III (2.25 quarter units)
Prerequisite: TED 628A, TED 631A, TED 631B and TED 628B

Modified Program

**MASTER'S OF SCIENCE IN EDUCATIONAL ADMINISTRATION
WITH PRELIMINARY ADMINISTRATIVE SERVICES CREDENTIAL
OPTION (CA OPTION)**

Faculty Advisor: David Kurth; (909) 806-3313; dkurth@nu.edu
Faculty Advisor: Glenn Sewell; (209) 475-1442; gsewell@nu.edu

This program is designed for students who are committed to improving education and who are interested in advancing their careers by becoming school site administrators. It can be completed with or without a preliminary credential option for those pursuing a career in the nonpublic education sector. For students who want to pursue the credential option, please see the Sanford College of Education Credential Information.

Program Learning Outcomes

Upon successful completion of this program, students will be able to:

- Analyze the process for creating, stewarding, and communicating a shared vision that includes school-wide goals for improving teaching and learning.
- Examine the role of the instructional leader in the context of the stewardship of effective instructional practices.
- Examine the role of the instructional leader in the context of curriculum development, implementation, and assessment.
- Analyze the collaborative, ongoing processes of data-based school growth plans.
- Critiques systems for the provision of professional growth opportunities for school teachers, staff, and administrators.

- Examine the complex Interaction of all of a school's systems to promote teaching and learning.
- Analyze ways in which a school can engage their communities to promote the shared vision.
- Examine a topic related to educational leadership through the lens of a researcher.

Degree Requirements

To receive a Master of Science in Educational Administration, students must complete at least 45 quarter units of graduate work. A total of 4.5 quarter units of graduate credit may be granted for equivalent graduate work completed at another institution, as it applies to this degree and if the units were not used in earning another advanced degree. Course equivalence cannot be granted for life experience.

To be successful in this program, it is highly recommended to take program coursework in order.

(10 courses; 45 quarter units)

- EDA 652 Visionary Leadership
- EDA 600 Applications in Leadership
- EDA 653 Curriculum Leadership
- EDA 654 Instructional Leadership
- EDA 655 School Improvement Leadership
- EDA 656 Professional Growth Leadership
- EDA 657 Org/Systems Leadership
- EDA 658 Community Leadership
- ILD 625 Educational Research
- EDA 637 Action Research
Prerequisite: ILD 625

CREDENTIAL PROGRAMS

Modified Credential

PRELIMINARY EDUCATION SPECIALIST AUTHORIZATION TEACHING CREDENTIAL

Faculty Advisor: Suzanne Evans; (858) 642-8438; sevans@nu.edu

The Preliminary Education Specialist Authorization Teaching Credential is designed to address both the Education Specialist Standards and the program specific standards, including the Teacher Performance Expectations and California Standards for the Teaching Profession.

For additional information on credential requirements, please see the Sanford College of Education Credential Information.

Program Learning Outcomes

Upon successful completion of this program, students will be able to:

- Integrate professional, legal, and ethical practices when instructing students with disabilities.
- Teach students who are diverse learners including those who are English language learners.
- Communicate effective case management and collaborative practices with parents, professionals, and other stake holders, in order to facilitate access to the core curriculum for students with disabilities.
- Assess students using a variety of standardized and non-standardized assessments in order to make appropriate educational decisions for students with disabilities
- Develop evidence-based curriculum and instruction including the use of educational and assistive technology to provide access to the core standards for students with disabilities.

- Transition students between educational environments and programs into successful post school experiences.

To receive a California Preliminary Education Specialist: Mild/Moderate, Moderate/Severe, Deaf and Hard of Hearing or Language and Academic Development teaching credential candidates are required to successfully complete core courses, specific program (advanced) courses, and a clinical practice path to supervised teaching (student teaching or internship).

Candidates choosing the Internship option to obtain the Preliminary Education Specialist: Mild/Moderate, Moderate/Severe, Deaf and Hard of Hearing or Language and Academic Development teaching credential will need to meet the Internship Eligibility requirements.

The CTC mandates approved internship programs require a minimum of 120 hours of pre-service coursework prior to becoming the teacher of record. Forty clock hours are equal to 4.5 quarter units. These pre-service courses must be successfully completed prior to eligibility for completing the internship option.

Requirements for the Credential (19-21 courses; 81-90 quarter units)

Corequisites (2 courses; 9 quarter units)

- HEDX 1101X Intro Health Ed: K-12
- EDX 1201X Computer Tech in Classroom

Core Requirements (10 courses; 45 quarter units)

- TED 602 Educational Foundations
- SPD 604 Psychological Fdns of Educ.
- TED 606 Equity and Diversity
- SPD 608* Exceptionalities
- TED 621A Lang. Dev. Methods: Elem. Sch.
Prerequisite: SPD 604, SPD 608, TED 602, TED 606, Pass CBEST and CSET
- or
- TED 623 Lang. Dev. Methods: Secondary
Prerequisite: TED 602, SPD 604, TED 606, SPD 608, Pass CBEST and CSET
- TED 621B* Reading/Lang. Arts Methods
Prerequisite: TED 621A
- SPD 614* Classroom and Behavior Mgmt
- SPD 616 Law, Collaboration & Transition
- SPD 622 Assessment
Prerequisite: Candidates must complete 8 core courses prior to taking this course
- SPD 628 Teaching Reading/Lang Arts
Prerequisite: SPD 622

* Internship Pre-Service course.

Students must also complete one of the following specializations:

Specialization in Deaf and Hard-of-Hearing

Faculty Advisor: Cheryl Dean; (858) 642-8371; cdean@nu.edu

The specialization in Deaf and Hard of Hearing is designed for educators and other professionals who want to become knowledgeable about teaching strategies to enhance students who are Deaf or Hard of Hearing.

Program Learning Outcomes

Upon successful completion of this program, students will be able to:

- Identify the etiologies, learning characteristics, language and cognitive development related to hearing loss.
- Communicate using a variety of strategies in signed and spoken language to interact directly and effectively with students who are deaf or hard of hearing, deaf-blind and/or with additional disabilities.
- Apply techniques that develop age appropriate language and cognitive skills, using both visual (signed) and/or auditory (spoken) input for students who are deaf or hard of hearing including those who are deaf-blind with additional disabilities.
- Collaborate effectively with a multi-disciplinary educational team to provide assessments, planning, and implementation strategies for children birth to age 5 that are deaf or hard of hearing, deaf-blind and/or with additional disabilities.
- Analyze the characteristics of students who are deaf or hard of hearing and exhibit additional disabilities that are associated with hearing loss and identify behaviors that require specialized instruction and/or adaptation and/or modifications in instruction.

The CTC mandates that interns must be supported during their entire internship experience.

Core Requirements

(5 courses; 22.5 quarter units)

DHH 632 Charac of D/HH Learners

DHH 634 Assess & Inst D/HH Birth-5yrs

DHH 636 Language Develop Methods D/HH

DHH 638 Literacy Develop D/HH

DHH 640 Inst D/HH with Special Needs

Clinical Practice Requirements

Students will need to choose from one of the following options: Internship or Student Teaching

Internship Option

(4 courses; 13.5 quarter units)

DHH 692A Internship DHH

Prerequisite: SPD 608, SPD 614, TED 621B, Candidates must be admitted to the University internship program.

DHH 692B Internship DHH

Prerequisite: DHH 692A

SPD 698A Internship Seminar (2.25 quarter units)

Prerequisite: SPD 608, SPD 614, TED 621B, Candidates must also complete all prerequisite requirements for the internship credential as outlined by CTC.

SPD 698B Internship Seminar (2.25 quarter units)

Prerequisite: SPD 608, SPD 614, TED 621B, Candidates must also complete all prerequisite requirements for the internship credential as outlined by CTC.

Additional Requirements

This course may be required to fulfill internship hour requirements. It may be taken a maximum of eight times to complete internship hours. Does not grant graduate units toward graduate degree, however tuition is applied for each attempt.

DHH 692C Internship Support DHH (2.25 quarter units)

Prerequisite: DHH 692B with a minimum grade of S

OR

Student Teaching Option

(4 courses; 13.5 quarter units)

DHH 682A Student Teaching

Corequisite: SPD 688A

DHH 682B Student Teaching

Corequisite: SPD 688B

SPD 688A Clinical Practice Seminar (2.25 quarter units)

Corequisite: SPD 682A or SPD 684A or DHH 682A or LAD 682A

SPD 688B Clinical Practice Seminar (2.25 quarter units)

Corequisite: SPD 682B or SPD 684B or DHH 682B or LAD 682B

Optional

For the Multiple or Single Subject Credential Requirements, please choose one of the following options.

(6-8 courses; 22.5-31.5 quarter units)

Multiple Subject Credential

(3 courses; 13.5 quarter units)

TED 635 Methods:History/SS-Heal-PE-Art

Prerequisite: TED 621A with a minimum grade of C

TED 636 Methods: Mathematics-Science

Prerequisite: TED 621A with a minimum grade of C

TED 626 Classroom Management

Prerequisite: TED 623 or TED 621A

OR

Single Subject Credential

(3 courses; 13.5 quarter units)

TED 632 Content Area Curriculum

Prerequisite: TED 623

TED 633 Content Area Instruct-Assess

Prerequisite: TED 623 with a minimum grade of C

TED 626 Classroom Management

Prerequisite: TED 623 or TED 621A

AND

Choose from one of the following options:

Student Teaching Option

(3 courses; 9 quarter units)

TED 530A Student Teaching I

Corequisite: TED 531A

TED 531A Student Teaching Seminar I (2.25 quarter units)

Corequisite: TED 530A

TED 531B Student Teaching Seminar II (2.25 quarter units)

Corequisite: TED 530B, Prerequisite: TED 530A with a minimum grade of S and TED 531A with a minimum grade of S

OR

Internship Option

(5 courses; 18 quarter units)

TED 610 Best Internship Practices

Prerequisite: Admission to the intern program

TED 628A Internship Clinical Practice I

Corequisite: TED 610 and TED 631A

TED 631A Internship Seminar I (2.25 quarter units)

Prerequisite: TED 610

TED 628B Internship Clinical Pract. II

Prerequisite: TED 628A, Corequisite: TED 631B

TED 631B Internship Seminar II (2.25 quarter units)

Prerequisite: TED 631A and TED 628A, Corequisite: TED 628B

Additional Requirements

This course may be required to fulfill internship hour requirements. It may be taken a maximum of eight times to complete internship hours. Does not grant graduate units toward graduate degree, however tuition is applied for each attempt.

TED 628C Clinical Practice III (2.25 quarter units)

Prerequisite: TED 628A, TED 631A, TED 631B and TED 628B

Specialization in Language and Academic Development

Faculty Advisor: Bonnie Plummer; (916) 855-4107; bplummer@nu.edu

The Language and Academic Development specialization prepares educators to address the language development needs of a large number of P-12 students with disabilities who have difficulty in the following areas: language development, social communication, school readiness skills, literacy development, and with academic competencies across the curriculum in listening, speaking, reading, writing as well as communication and language literacy skills.

Candidates completing this credential specialization are prepared to teach students with disabilities in classrooms and inclusive settings as teachers, co teachers and consultants. Candidates have the option of completing a traditional student teaching or participating in an internship to fulfill the final clinical practice requirement.

Program Learning Outcomes

Upon successful completion of this program, students will be able to:

- Analyze the implications of the characteristics of students with language and academic development needs including academic competencies across the curriculum in listening, speaking, reading, writing and who demonstrate lack of communication and language literacy skills to access and benefit from academic instruction.
- Analyze students' language development across disabilities and the life span including typical and atypical language development, communication skills, social pragmatics as it relates to the acquisition of academic knowledge and skills.
- Differentiate between language disorders, disabilities, and language difference in order to identify and utilize current research based strategies, methods, and materials for the development of fluent reading in students across ages and across an array of environments, including speakers of English and English Language learners.
- Assess the impact of sensory deficits on the development and application of language, verbal and non-verbal communication abilities and needs in order to identify and implement effective intervention techniques for social communication and activities to engage students with communication disabilities in classroom and social activities.
- Utilize and interpret a variety of assessments for students with communication disabilities in order to collaborate with educators and parents to make educational decisions based on the data and apply instructional models and strategies that align with ongoing assessment results.
- Select and implement evidence-based curricula and instructional methods that are effective with students with language and communication disabilities including specially designed curricula and methods for language and literacy development, quantitative reasoning, and reading/language arts instruction to enable individuals to access the core curriculum.

The CTC mandates that interns must be supported during their entire internship experience.

Specialization Requirements (7-8 courses; 27-31.5 quarter units)

Core requirements (4 courses; 18 quarter units)

LAD 632 Speech & Language Development

LAD 633 Academic Language Assessment

LAD 634 Curriculum and Instruction

LAD 635 Intensive Lang. Intervention

Clinical Practice Requirements

Students will need to choose from one of the following options: Internship or Student Teaching

Internship Option (4 courses; 13.5 quarter units)

LAD 692A Internship LAD

Prerequisite: SPD 608, and SPD 614, and TED 621B with a minimum grade of B. Candidates must be admitted to university internship program.

LAD 692B Internship LAD

Prerequisite: SPD 608, and SPD 614, and TED 621B, and Candidates must be admitted to university internship program.

SPD 698A Internship Seminar (2.25 quarter units)

Prerequisite: SPD 608, SPD 614, TED 621B, Candidates must also complete all prerequisite requirements for the internship credential as outlined by CTC.

SPD 698B Internship Seminar (2.25 quarter units)

Prerequisite: SPD 608, SPD 614, TED 621B, Candidates must also complete all prerequisite requirements for the internship credential as outlined by CTC.

Additional Requirement

This course may be required to fulfill internship hour requirements. It may be taken a maximum of eight times to complete internship hours. Does not grant graduate units toward graduate degree, however tuition is applied for each attempt.

LAD 692C Internship Support LAD (2.25 quarter units)

Prerequisite: LAD 692B with a minimum grade of S

OR

Student Teaching Option (4 courses; 13.5 quarter units)

LAD 682A Student Teaching I

LAD 682B Student Teaching II

SPD 688A Clinical Practice Seminar (2.25 quarter units)

Corequisite: SPD 682A or SPD 684A or DHH 682A or LAD 682A

SPD 688B Clinical Practice Seminar (2.25 quarter units)

Corequisite: SPD 682B or SPD 684B or DHH 682B or LAD 682B

Optional

For the Multiple or Single Subject Credential Requirements, please choose one of the following options.

(5-6 courses; 22.5-25.5 quarter units)

Multiple Subject Credential (3 courses; 13.5 quarter units)

TED 635 Methods:History/SS-Heal-PE-Art

Prerequisite: TED 621A with a minimum grade of C

TED 636 Methods: Mathematics-Science

Prerequisite: TED 621A with a minimum grade of C

TED 626 Classroom Management
Prerequisite: TED 623 or TED 621A

OR

**Single Subject Credential
(3 courses; 13.5 quarter units)**

TED 632 Content Area Curriculum
Prerequisite: TED 623

TED 633 Content Area Instruct-Assess
Prerequisite: TED 623 with a minimum grade of C

TED 626 Classroom Management
Prerequisite: TED 623 or TED 621A

Choose from one of the following options:

**Student Teaching Option
(3 courses, 9 quarter units)**

TED 530A Student Teaching I
Corequisite: TED 531A

TED 531A Student Teaching Seminar I (2.25 quarter units)
Corequisite: TED 530A

TED 531B Student Teaching Seminar II (2.25 quarter units)
Corequisite: TED 530B, Prerequisite: TED 530A with a minimum grade of S and TED 531A with a minimum grade of S

OR

**Internship Option
(5 courses; 18 quarter units)**

TED 610 Best Internship Practices
Prerequisite: Admission to the intern program

TED 628A Internship Clinical Practice I
Corequisite: TED 610 and TED 631A

TED 628B Internship Clinical Pract. II
Prerequisite: TED 628A, Corequisite: TED 631B

TED 631A Internship Seminar I (2.25 quarter units)
Prerequisite: TED 610

TED 631B Internship Seminar II (2.25 quarter units)
Prerequisite: TED 631A and TED 628A, Corequisite: TED 628B

Additional Requirements

This course may be required to fulfill internship hour requirements. It may be taken a maximum of eight times to complete internship hours. Does not grant graduate units toward graduate degree, however tuition is applied for each attempt.

TED 628C Clinical Practice III (2.25 quarter units)
Prerequisite: TED 628A, TED 631A, TED 631B and TED 628B

Specialization in Mild/Moderate

Faculty Advisor: Judith Menoher; (530) 226-4012; jmenoher@nu.edu

The Specialization in Mild/Moderate is designed for educators and other professionals who want to become knowledgeable about teaching strategies to enhance individuals with mild/moderate disabilities

Program Learning Outcomes

Upon successful completion of this program, students will be able to:

- Analyze the implications of characteristics of students with M/M disabilities and autism for service delivery such as placement decisions, IEP development, and instruction.
- Evaluate a variety of appropriate assessments procedures and communicate results in order to use evidence based strategies and the core curriculum

in the development of IEP goals and instructional plans for students with M/M disabilities and autism.

- Maintain appropriate educational environments and positive behavioral support to include the school-wide behavior support process for students with M/M disabilities and autism.
- Implement effective methods for teaching reading, speaking, listening, written language, and mathematics to ensure access to the general education curriculum across instructional settings for students with M/M disabilities and autism.
- Exhibit collaborative case management to coordinate the IEP process and address the legal and instructional requirements based on the individual needs of the student with M/M disabilities and autism.

The CTC mandates that interns must be supported during their entire internship experience.

**Specialization Requirements
(8 courses; 31.5 quarter units)**

**Core Requirements
(4 courses; 18 quarter units)**

SPD 632 Charac/Instr Stds w/ M/M Disab

SPD 634 Assess of Std w/ M/M Disab

SPD 636 Teaching Math/Writing for M/M

SPD 638 Content Differentiation

Clinical Practice Requirements

Students will need to choose from one of the following options: Internship or Student Teaching.

**Internship Option
(4 courses; 13.5 quarter units)**

SPD 692A Internship M/M
Prerequisite: SPD 608, SPD 614, TED 621B, Candidates must be admitted to the University internship program.

SPD 692B Internship M/M
Prerequisite: SPD 692A

SPD 698A Internship Seminar (2.25 quarter units)
Prerequisite: SPD 608, SPD 614, TED 621B, Candidates must also complete all pre-requisite requirements for the internship credential as outlined by CTC.

SPD 698B Internship Seminar (2.25 quarter units)
Prerequisite: SPD 608, SPD 614, TED 621B, Candidates must also complete all pre-requisite requirements for the internship credential as outlined by CTC.

Additional Requirement

This course may be required to fulfill internship hour requirements. It may be taken a maximum of eight times to complete internship hours. Does not grant graduate units toward graduate degree, however tuition is applied for each attempt.

SPD 692C Internship Support (2.25 quarter units)
Prerequisite: SPD 692B with a minimum grade of S

OR

**Student Teaching Option
(4 courses; 13.5 quarter units)**

SPD 682A Student Teaching M/M
Corequisite: SPD 688A

SPD 682B Student Teaching M/M
Corequisite: SPD 688B

- SPD 688A Clinical Practice Seminar (2.25 quarter units)
Corequisite: SPD 682A or SPD 684A or DHH 682A or LAD 682A
- SPD 688B Clinical Practice Seminar (2.25 quarter units)
Corequisite: SPD 682B or SPD 684B or DHH 682B or LAD 682B

Optional

For the Multiple or Single Subject Credential Requirements, please choose one of the following options.

(6-8 courses; 22.5-31.5 quarter units)

Multiple Subject Credential (3 courses; 13.5 quarter units)

- TED 635 Methods:History/SS-Heal-PE-Art
Prerequisite: TED 621A with a minimum grade of C
- TED 636 Methods: Mathematics-Science
Prerequisite: TED 621A with a minimum grade of C
- TED 626 Classroom Management
Prerequisite: TED 623 or TED 621A

OR

Single Subject Credential (3 courses; 13.5 quarter units)

- TED 632 Content Area Curriculum
Prerequisite: TED 623
- TED 633 Content Area Instruct-Assess
Prerequisite: TED 623 with a minimum grade of C
- TED 626 Classroom Management
Prerequisite: TED 623 or TED 621A

AND

Choose from one of the following options:

Student Teaching Option (3 courses; 9 quarter units)

- TED 530A Student Teaching I
Corequisite: TED 531A
- TED 531A Student Teaching Seminar I (2.25 quarter units)
Corequisite: TED 530A
- TED 531B Student Teaching Seminar II (2.25 quarter units)
Corequisite: TED 530B, Prerequisite: TED 530A with a minimum grade of S and TED 531A with a minimum grade of S

OR

Internship Option (5 courses; 18 quarter units)

- TED 610 Best Internship Practices
Prerequisite: Admission to the intern program
- TED 628A Internship Clinical Practice I
Corequisite: TED 610 and TED 631A
- TED 628B Internship Clinical Pract. II
Prerequisite: TED 628A, Corequisite: TED 631B
- TED 631A Internship Seminar I (2.25 quarter units)
Prerequisite: TED 610
- TED 631B Internship Seminar II (2.25 quarter units)
Prerequisite: TED 631A and TED 628A, Corequisite: TED 628B

Additional Requirement

This course may be required to fulfill internship hour requirements. It may be taken a maximum of eight times to complete internship hours. Does not grant graduate units toward graduate degree, however tuition is applied for each attempt.

- TED 628C Clinical Practice III (2.25 quarter units)
Prerequisite: TED 628A, TED 631A, TED 631B and TED 628B

Specialization in Moderate/Severe

Faculty Advisor: Mary Lynn Ferguson; (858) 642-8346; mferguson@nu.edu
Faculty Advisor: Nilsa Thorsos; (310) 662-2140; nthorsos@nu.edu

The Specialization in Moderate/Severe program meets the professional program specific standards required by CTC for credentials. Candidates will meet California Standards for the Teaching Profession and Teacher Performance Expectations.

Program Learning Outcomes

Upon successful completion of this program, students will be able to:

- Analyze the implications of the characteristics of students with Moderate/Severe/Profound disabilities for service delivery impacting assessments, IEP development, instruction, and program options.
- Analyze students' verbal and non-verbal communication abilities to develop needed augmentative, alternative or signed systems including assistive technology, to enhance communication, social interaction, academic performance and skill development.
- Evaluate a variety of assessments and procedures to maximize students' participation in standards and evidence-based, academic/life skills/wellness curriculum within IEP goals and objectives across school/community settings.
- Establish and maintain educational environments based upon positive behavior support processes at the individual and school-wide levels.
- Analyze the movement, mobility, sensory, and specialized health care needs to access school and community to the fullest extent using appropriate techniques, procedures, materials, assistive technology, and adaptive equipment.
- Exhibit collaborative case management to coordinate the IEP process and the various transitions experienced by students with Moderate/Severe/Profound disabilities, while addressing the legal and instructional requirements of their IEPs.

The CTC mandates that interns must be supported during their entire internship experience.

Specialization Requirements (8 courses; 31.5 quarter units)

Core Requirements (4 courses; 18 quarter units)

- SPD 642 Academic Instruction M/S
- SPD 644 Life Skills & Transitions M/S
- SPD 646 PBS, Comm & Social Skills M/S
- SPD 648 Medical & Asst Tech Issues M/S

Clinical Practice Requirements

Students will need to choose from one of the following options: Internship or Student Teaching

Internship Option (4 courses; 13.5 quarter units)

- SPD 694A Internship M/S
Prerequisite: SPD 608, SPD 614, TED 621B, Candidates must be admitted to the University internship program.
- SPD 694B Internship M/S
Prerequisite: SPD 694A

SPD 698A Internship Seminar (2.25 quarter units)
Prerequisite: SPD 608, SPD 614, TED 621B, Candidates must also complete all pre-requisite requirements for the internship credential as outlined by CTC.

SPD 698B Internship Seminar (2.25 quarter units)
Prerequisite: SPD 608, SPD 614, TED 621B, Candidates must also complete all pre-requisite requirements for the internship credential as outlined by CTC.

Additional Requirement

This course may be required to fulfill internship hour requirements. It may be taken a maximum of eight times to complete internship hours. Does not grant graduate credit toward graduate degree, however tuition is applied for each attempt.

SPD 694C Internship Support M/S (2.25 quarter units)
Prerequisite: SPD 694B with a minimum grade of S

OR

Student Teaching Option (4 courses; 13.5 quarter units)

SPD 684A Student Teaching M/S
Corequisite: SPD 688A

SPD 684B Student Teaching M/S
Corequisite: SPD 688B

SPD 688A Clinical Practice Seminar (2.25 quarter units)
Corequisite: SPD 682A or SPD 684A or DHH 682A or LAD 682A

SPD 688B Clinical Practice Seminar (2.25 quarter units)
Corequisite: SPD 682B or SPD 684B or DHH 682B or LAD 682B

Optional

For the Multiple or Single Subject Credential Requirements, please choose one of the following options.

(6-8 courses; 22.5-31.5 quarter units)

Multiple Subject Credential (3 courses; 13.5 quarter units)

TED 635 Methods: History/SS-Heal-PE-Art
Prerequisite: TED 621A with a minimum grade of C

TED 636 Methods: Mathematics-Science
Prerequisite: TED 621A with a minimum grade of C

TED 626 Classroom Management
Prerequisite: TED 623 or TED 621A

OR

Single Subject Credential (3 courses; 13.5 quarter units)

TED 632 Content Area Curriculum
Prerequisite: TED 623

TED 633 Content Area Instruct-Assess
Prerequisite: TED 623 with a minimum grade of C

TED 626 Classroom Management
Prerequisite: TED 623 or TED 621A

AND

Choose from one of the following options:

Student Teaching Option (3 courses; 9 quarter units)

TED 530A Student Teaching I
Corequisite: TED 531A

TED 531A Student Teaching Seminar I (2.25 quarter units)
Corequisite: TED 530A

TED 531B Student Teaching Seminar II (2.25 quarter units)
Corequisite: TED 530B, Prerequisite: TED 530A with a minimum grade of S and TED 531A with a minimum grade of S

OR

Internship Option (5 courses; 18 quarter units)

TED 610 Best Internship Practices
Prerequisite: Admission to the intern program

TED 628A Internship Clinical Practice I
Corequisite: TED 610 and TED 631A

TED 628B Internship Clinical Pract. II
Prerequisite: TED 628A, Corequisite: TED 631B

TED 631A Internship Seminar I (2.25 quarter units)
Prerequisite: TED 610

TED 631B Internship Seminar II (2.25 quarter units)
Prerequisite: TED 631A and TED 628A, Corequisite: TED 628B

Additional Requirement

This course may be required to fulfill internship hour requirements. It may be taken a maximum of eight times to complete internship hours. Does not grant graduate units toward graduate degree, however tuition is applied for each attempt.

TED 628C Clinical Practice III (2.25 quarter units)
Prerequisite: TED 628A, TED 631A, TED 631B and TED 628B

PRELIMINARY MULTIPLE SUBJECT TEACHING CREDENTIAL PROGRAM WITH INTERNSHIP OPTION (CALIFORNIA)

Faculty Advisor: Clara Amador-Lankster; (714) 965-0280; camadorl@nu.edu

The California Preliminary Multiple Subject Teaching Credential with Internship Option is designed for candidates dedicated to instructional leadership in the K-6 settings. Courses meet the California Commission on Teacher Credentialing (CTC) requirements for a Preliminary Multiple Subject teaching credential. Candidates are required to successfully complete Core courses, multiple or single subject methods' area, and a clinical practice path (student teaching or internship).

*** Please Note:** Students need to satisfy/pass the Basic Skills Requirement (e.g., CBEST) and Subject Matter Competency Requirement (e.g., CSET) early (prior to Credential Area Methods coursework) into their programs to avoid interruptions to program progress and/or financial aid arrangements.

For additional information on credential requirements, please see the Sanford College of Education Credential Information.

Program Learning Outcomes

Upon successful completion of this program, students will be able to:

- Integrate knowledge and abilities in making subject matter comprehensible for all P-12 learners, including those with diverse learning needs.
- Integrate knowledge and abilities in assessing all P-12 learners, including those with diverse learning needs.
- Integrate knowledge and abilities in engaging/supporting all P-12 learners, including those with diverse learning needs.
- Integrate knowledge and abilities in designing/planning learning experiences for all P-12 learners, including those with diverse learning needs.
- Integrate knowledge and abilities in creating/maintaining effective learning environments for all P-12 learners, including those with diverse learning needs.
- Integrate knowledge and abilities in being a legal, ethical, and professional educator for all P-12 learners, including those with diverse learning needs.

To receive a California Preliminary Multiple Subject Teaching Credential, candidates must complete at least 45 quarter units of graduate work, with 2 co-requisite courses, such that, 48 units must be taken in residence at National University.

Candidates pursuing the Internship option to obtain a Preliminary Multiple Subject teaching credential will need to meet the Internship Eligibility requirements as outlined in the Credential Information section of the catalog.

The Commission on Teacher Credentialing (CTC) mandates all approved internship programs require a minimum of 120 hours of pre-service coursework (TED 621A, TED 621B, TED 626) prior to becoming eligible for the Internship Option. The CA Education Code stipulates that a minimum of 144 hours of support and supervision must be provided to the candidate each year of intern employment and documented. Interns without a valid English Learner (EL) Authorization from CTC will be required to receive an additional 45 hours of EL preparation support each year of intern employment (Total 189 hours).

This Internship Option requires the successful completion of the internship clinical practice experience (minimum 1 year). In the event that all program requirements have not been met during the first year and intern employment continues during the second year, National University must provide additional ongoing support and supervision. All candidates holding a valid University Internship Credential will be required to be continuously enrolled in clinical practice support and supervision (TED 628A, TED 628B or TED628C).

Interns in the Early Completion Option (ECO) route are still required to receive the general support and supervision be provided to all interns while they are serving on an Intern credential.

Credential Requirements (13-14 courses; 54-58.5 quarter units)

Corequisites (2 courses; 9 quarter units)

HEDX 1101X Intro Health Ed: K-12

EDX 1201X Computer Tech in Classroom

Core Requirements (5 courses; 22.5 quarter units)

TED 602 Educational Foundations

SPD 604 Psychological Fdns of Educ.

TED 606 Equity and Diversity

SPD 608 Exceptionalities

TED 626* Classroom Management
Prerequisite: TED 623 or TED 621A

* Internship Pre-Service course.

Teaching Credential Area: Multiple Subject Methods (4 courses; 18 quarter units)

Multiple Subject

TED 621A* Lang. Dev. Methods: Elem. Sch.
Prerequisite: SPD 604, SPD 608, TED 602, TED 606, Pass CBEST and CSET

TED 621B* Reading/Lang. Arts Methods
Prerequisite: TED 621A

TED 635 Methods:History/SS-Heal-PE-Art
Prerequisite: TED 621A with a minimum grade of C

TED 636 Methods: Mathematics-Science
Prerequisite: TED 621A with a minimum grade of C

* Internship Pre-Service courses.

Clinical Practice Path: Student Teaching or Internship (Student Teaching 4 courses; 13.5 quarter units or Internship 5 courses; 18.0 quarter units)

The clinical practice (K-12 classroom) experience courses (TED 530A, TED 530B, TED 628A and TED 628B) do not grant graduate credit.

STUDENT TEACHING will be arranged by the university for candidates who have completed all program coursework and met all program and state requirements. Student Teaching is unpaid and minimum 80 instructional days in the PK-12 classrooms.

Student Teaching

TED 530A Student Teaching I
Corequisite: TED 531A

TED 530B Student Teaching II
Prerequisite: TED 530A, Corequisite: TED 531B

TED 531A Student Teaching Seminar I (2.25 quarter units)
Corequisite: TED 530A

TED 531B Student Teaching Seminar II (2.25 quarter units)
Corequisite: TED 530B, Prerequisite: TED 530A with a minimum grade of S and TED 531A with a minimum grade of S

OR

INTERNSHIPS will result through an offer of employment from a CA public school in partnership with National University. Intern placements will be required to align to the credential sought in compliance with the Commission on Teacher Credentialing. Interns need to be in good standing with both the employer and National University for the duration of the active Internship Teaching Credential. Internship Clinical Practice is paid and is one year long while the candidate holds employment as a teacher of record in a public school.

Internship

TED 610 Best Internship Practices
Prerequisite: Admission to the intern program

TED 628A Internship Clinical Practice I
Corequisite: TED 610 and TED 631A

TED 628B Internship Clinical Pract. II
Prerequisite: TED 628A, Corequisite: TED 631B

TED 631A Internship Seminar I (2.25 quarter units)
Prerequisite: TED 610

TED 631B Internship Seminar II (2.25 quarter units)
Prerequisite: TED 631A and TED 628A, Corequisite: TED 628

Additional Requirement

This course may be required to fulfill internship hour requirements. It may be taken a maximum of eight times to complete internship hours. Does not grant graduate units toward graduate degree, however tuition is applied for each attempt.

TED 628C Clinical Practice III (2.25 quarter units)
Prerequisite: TED 628A, TED 631A, TED 631B and TED 628B

Preliminary Single Subject Teaching Credential with Internship Option (California)

Faculty Advisor: Clara Amador-Lankster; (714) 965-0280; camadorl@nu.edu

The California Single Subject Teaching Credential with Internship Option is designed for candidates dedicated to instructional leadership in the P-12 settings. Courses meet the California Commission on Teacher Credentialing (CTC) requirements for a Preliminary Single Subject teaching credential. Candidates are required to successfully complete Core courses, single subject methods' area, and a clinical practice path (student teaching or internship).

*** Please Note:** Students need to satisfy/pass the Basic Skills Requirement (e.g., CBEST) and Subject Matter Competency Requirement (e.g., CSET) early (prior

to Credential Area Methods coursework) into their programs to avoid interruptions to program progress and/or financial aid arrangements.

For additional information on credential requirements, please see the Sanford College of Education Credential Information.

Program Learning Outcomes

Upon successful completion of this program, students will be able to:

- Integrate knowledge and abilities in making subject matter comprehensible for all P-12 learners, including those with diverse learning needs.
- Integrate knowledge and abilities in assessing all P-12 learners, including those with diverse learning needs.
- Integrate knowledge and abilities in engaging/supporting all P-12 learners, including those with diverse learning needs.
- Integrate knowledge and abilities in designing/planning learning experiences for all P-12 learners, including those with diverse learning needs.
- Integrate knowledge and abilities in creating/maintaining effective learning environments for all P-12 learners, including those with diverse learning needs.
- Integrate knowledge and abilities in being a legal, ethical, and professional educator for all P-12 learners, including those with diverse learning needs.
- To receive a California Preliminary Single Subject Teaching Credential, candidates must complete at least 45 quarter units of graduate work, with 2 co-requisite courses, such that, 48 units must be taken in residence at National University.

Candidates pursuing the Internship option to obtain a Preliminary Single Subject teaching credential will need to meet the Internship Eligibility requirements as outlined in the Credential Information section of the catalog. The Commission on Teacher Credentialing (CTC) mandates all approved internship programs require a minimum of 120 hours of pre-service coursework (TED 623, TED 634, and TED 626) prior to becoming eligible for the Internship Option.

The CA Education Code stipulates a minimum of 144 hours of support and supervision must be provided to the candidate each year of intern employment and documented. Interns without a valid English Learner (EL) Authorization from CTC will be required to receive an additional 45 hours of EL preparation support each year of intern employment (Total 189 hours).

This Internship Option requires the successful completion of the internship clinical practice experience (minimum 1 year). In the event, that all program requirements have not been met during the first year and intern employment continues during the second year, National University must provide additional ongoing support and supervision. All candidates holding a valid University Internship Credential will be required to be continuously enrolled in clinical practice support and supervision (TED 628A, TED 628B or TED628C).

Interns in the Early Completion Option (ECO) route are still required to receive the general support and supervision provided to all interns while they are serving on an Intern credential.

Candidates choosing the Internship option to obtain the Preliminary Single Subject teaching credential will need to meet the Internship Eligibility requirements.

The CTC mandates that all approved internship programs require a minimum of 120 hours of pre-service coursework prior to becoming the teacher of record. Forty clock hours are equal to 4.5 quarter units. These pre-service courses must be successfully completed prior to eligibility for completing the internship option.

Credential Requirements (13-14 courses; 54-58.5 quarter units)

Corequisites (2 courses; 9 quarter units)

HEDX 1101X Intro Health Ed: K-12

EDX 1201X Computer Tech in Classroom

Core Requirements (5 courses; 22.5 quarter units)

TED 602 Educational Foundations

SPD 604 Psychological Fdns of Educ.

TED 606 Equity and Diversity

SPD 608 Exceptionalities

TED 626* Classroom Management
Prerequisite: TED 623 or TED 621A

* Internship Pre-Service course.

Teaching Credential Area: Single Subject Methods (4 courses; 18 quarter units)

Single Subject

TED 623* Lang. Dev. Methods: Secondary
Prerequisite: TED 602, SPD 604, TED 606, SPD 608, Pass CBEST and CSET

TED 632 Content Area Curriculum
Prerequisite: TED 623

TED 633 Content Area Instruct-Assess
Prerequisite: TED 623 with a minimum grade of C

TED 634* Content Area Literacy
Prerequisite: TED 623

* Internship Pre-Service course.

Clinical Practice Path: Student Teaching or Internship (Student Teaching 4 courses; 13.5 quarter units or Internship 5 courses; 18.0 quarter units)

The clinical practice (K-12 classroom) experience courses (TED 530A, TED 530B, TED 628A and TED 628B) do not grant graduate credit.

STUDENT TEACHING will be arranged by the university for candidates who have completed all program coursework and met all program and state requirements. Student Teaching is unpaid and minimum 80 instructional days in the PK-12 classrooms.

Student Teaching

TED 530A Student Teaching I
Corequisite: TED 531A

TED 530B Student Teaching II
Prerequisite: TED 530A, Corequisite: TED 531B

TED 531A Student Teaching Seminar I (2.25 quarter units)
Corequisite: TED 530A

TED 531B Student Teaching Seminar II (2.25 quarter units)
Corequisite: TED 530B, Prerequisite: TED 530A with a minimum grade of S and TED 531A with a minimum grade of S

OR

INTERNSHIPS will result through an offer of employment from a CA public school in partnership with National University. Intern placements will be required to align to the credential sought in compliance with the Commission on Teacher Credentialing. Interns need to be in good standing with both the employer and National University for the duration of the active Internship Teaching Credential. Internship Clinical Practice is paid and it is one year long while the candidate holds employment as a teacher of record in a public school.

Internship

TED 610 Best Internship Practices
Prerequisite: Admission to the intern program

TED 628A Internship Clinical Practice I
Corequisite: TED 610 and TED 631A

TED 628B Internship Clinical Pract. II
Prerequisite: TED 628A, Corequisite: TED 631B

TED 631A Internship Seminar I (2.25 quarter units)
Prerequisite: TED 610

TED 631B Internship Seminar II (2.25 quarter units)
Prerequisite: TED 631A and TED 628A, Corequisite: TED 628B

Additional Requirements

This course may be required to fulfill internship hour requirements. It may be taken a maximum of eight times to complete internship hours. Does not grant graduate credit toward graduate degree, however tuition is applied for each attempt.

TED 628C Clinical Practice III (2.25 quarter units)
Prerequisite: TED 628A, TED 631A, TED 631B and TED 628B

SANFORD COLLEGE OF EDUCATION CREDENTIAL INFORMATION

REQUIREMENTS FOR ALL CREDENTIAL PROGRAM CANDIDATES

All credential program candidates are required to turn in a completed credential packet for his or her program within 30 days of enrollment. Candidates must review and respond accordingly to all messages delivered to the candidate's student message center and all printed information listed in the degree and credential section of this catalog.

Please be advised that credential programs have time sensitive requirements that must be met for admission, clinical practice, and completion. Candidates are encouraged to discuss individual completion goals and desired timelines with a Credential Program Specialist at the beginning of their program.

NOTE:

- Candidates transferring from a credential program at another university must provide a letter of good standing.
- Candidates with international degrees who do not hold a U.S.-bachelor's degree must receive an evaluation from a CTC-approved international evaluation agency before being admitted to the University and starting their first course.

CREDENTIAL RESIDENCY REQUIREMENTS

All candidates enrolled in a preliminary credential program must complete a minimum of 31.5 qu. in residency at National University. All clinical practice courses must be taken in residence. All credential candidates concurrently pursuing a degree, must also meet the degree residency requirements.

Minimum residency requirements to be recommended for a credential and or degree may vary and are listed under each program. Courses taken online are considered to be in-residence.

NOTE: All graduate credential coursework must be completed with a GPA of 3.0 (D, F and U grades are not accepted and must be repeated). All undergraduate credential coursework must be completed with a GPA of 2.5 (D, F and U grades are not accepted and must be repeated). Please see the grade requirements listed under your specific credential program.

STUDENT ACKNOWLEDGMENT OF TERMS & AGREEMENTS

All applicants for admission to a credential program must review and sign a student acknowledgment of terms & agreements.

The student acknowledgment (provided in each credential packet) gives National University the right to suspend or terminate the candidate's participation in a credential program for any of the following reasons:

- Committed acts or engaged in conduct that could constitute grounds for denial of a credential
- Failed to demonstrate the requisite skills and qualifications to satisfy the requirements for a credential

- Demonstrated other qualities or behaviors enumerated in the student agreement inconsistent with National University's recommendation of the candidate for an education credential

The student acknowledgment of terms & agreements also authorizes National University to release to the Commission all pertinent information pertaining to the candidate's qualification or fitness for a credential.

Program Advisement

Every credential program has an assigned Faculty Advisor who is available to provide program specific advisement related to a specific program field. The Faculty Advisor name and contact information is listed in the catalog under the heading of specific programs. The Faculty Advisor is a resource for specific questions candidates may have about classes, curriculum, and instructors.

Each candidate also has a Credential Program Specialist available to him/her to help navigate the specifics of the state and university credentialing requirements. These requirements may be updated due to changing legislation. It is very important for candidates to work closely with a Credential Program Specialist to understand and educate themselves on the specifics of their particular credentialing requirements.

CLINICAL PRACTICE INFORMATION

Clinical practice may consist of student teaching, internship and/or field experience and must be completed in California. All clinical practice courses are scheduled by a Credential Program Specialist. Detailed clinical practice eligibility requirements can be found under each credential program section.

RECOMMENDATION FOR A CALIFORNIA CREDENTIAL

To be formally recommended for a California Teaching or Services Credential by National University all candidates must meet the following requirements:

- Official transcripts from all colleges/universities attended on file at National University
- Proof of a conferred bachelor's degree from a regionally accredited institution of higher education (IHE) or an international degree of U.S. equivalence
- Completion of the specific program residency requirements
- Written evaluations of performance in field experiences, internships, educational projects, student teaching, and other practicum
- All credential program coursework with minimum 3.0 GPA (D, F, and U grades are not accepted)
- Fulfillment of all financial obligations to the University before applying for the credential; zero account balance
- A completed CTC credential application with valid credit card to pay for CTC online application fee

NOTE: For Candidates in the BA/S Blended Programs the undergraduate degree must be conferred, with a minimum of a 2.0 cumulative GPA and 2.5 in credential coursework.

ADMINISTRATIVE SERVICES CREDENTIAL PROGRAMS PRELIMINARY ADMINISTRATIVE SERVICES CREDENTIAL

The Administrative Services Credential authorizes the following services in grades PreK-12 and in classes organized primarily for adults; develop, coordinate, and assess instructional programs; evaluate certificated and classified personnel; provide candidates' discipline, including but not limited to, suspension and expulsion; provide certificated and classified employees discipline, including but not limited to, suspension, dismissal, and reinstatement; supervise certificated and classified personnel; manage school site, district, or county level fiscal services; recruit, employ, and assign certificated and classified personnel; develop, coordinate, and supervise candidate support services, including but not limited to extracurricular activities, pupil personnel services, health services, library services, and technology support services.

Admission Requirements

In order to be admitted into the Program, Candidates must complete a Credential Packet that includes or provides evidence/proof of the following:

- Signed Acknowledgement of Terms and Agreements
- Request for Field Experience Placement

**NATIONAL UNIVERSITY
PRELIMINARY EDUCATION SPECIALIST AUTHORIZATION
TEACHING CREDENTIAL**

Core Requirements (10)		Co-requisites (2)	
TED 602	TED 621B*	HEDX 1101X	
SPD 604	SPD 614*	EDX 1201X	
TED 606	SPD 616		
SPD 608*	SPD 622		
TED 621A or TED 623	SPD 628		
Specialization Courses (4-5)			
Mild/Moderate (4)	Moderate/Severe (4)	Deaf and Hard of Hearing (5)	Language & Academic Development (4)
SPD 632	SPD 642	DHH 632	LAD 632
SPD 634	SPD 644	DHH 634	LAD 633
SPD 636	SPD 646	DHH 636	LAD 634
SPD 638	SPD 648	DHH 638	LAD 635
		DHH 640	
Student Teaching Route (4)			
SPD 682A	SPD 682A	DHH 682A	LAD 682A
SPD 682B	SPD 682B	DHH 682B	LAD 682B
SPD 688A	SPD 688A	SPD 688A	SPD 688A
SPD 688B	SPD 688B	SPD 688B	SPD 688B
Internship Route (4)			
SPD 692A	SPD 694A	DHH 692A	LAD 692A
SPD 692B	SPD 694B	DHH 692B	LAD 692B
SPD 692C**	SPD 694C**	DHH 692C**	LAD 692C**
SPD 698A	SPD 698A	SPD 698A	SPD 698A
SPD 698B	SPD 698B	SPD 698C	SPD 698B
DUAL CANDIDATES			
Multiple Subject (3)		Single Subject (3)	
TED 635		TED 632	
TED 636		TED 633	
TED 626		TED 626	
Student Teaching Route (3)		Internship Route (5)	
TED 530A		TED 610	
TED 531A		TED 628A	
TED 531B		TED 628B	
		TED 628C**	
		TED 631A	
		TED 631B	
OPTIONAL MASTER OF SCIENCE IN SPECIAL EDUCATION (2)			
SPD 695 and SPD 696			

*Prerequisites for Internship

** This course may be required to fulfill internship hour requirements. It may be taken a maximum of eight times to complete internship hours. Does not grant graduate units toward graduate degree, however tuition is applied for each attempt. Interns are required to repeat TED628C while employed as an intern until recommended for their preliminary credential.

- Proof of attempt or passage of Basic Skills Assessment is required for admittance to the program (Proof of passage is mandatory prior to clinical practice)
- Negative TB test results or Tuberculosis Risk Assessment with Certificates of Completion (valid within the last four years)
- Possess a Teaching or Services Credential (may be preliminary for admittance, but must be clear for recommendation)

Field Experience Requirements

To be cleared to begin field experience, candidates must have a credential packet on file.

Recommendation Requirements

In addition to meeting the admissions and field experience requirements, candidates must also complete and return the following prior to credential recommendation:

- Possess a Valid CA Clear Teaching or Services Credential (with at least one year remaining on document)
- Five years of experience (must be in the area of the credential held)
- All credential program coursework with minimum 3.0 GPA (D, F, and U grades are not accepted)
- Zero account balance
- All test results must remain valid in order to apply for credential, except for negative TB test results.

Candidates are issued a Certificate of Eligibility upon completion of the program unless candidate provides a completed “Verification of Employment as an Administrator” (CL-777) form with the credential application, in which case the candidate will be recommended for the preliminary credential.

PRELIMINARY ADMINISTRATIVE SERVICES CREDENTIAL UNIVERSITY INTERNSHIP PROGRAM

The University internship route provides an opportunity for candidates who have been offered employment to complete his or her field experience, while employed in an appropriate position as a school administrator. This experience is a partnership between the candidate, National University, and the employer meant to support the candidate in an environment similar to that authorized by the preliminary credential obtained at the end of the program.

Candidates on probation or permanent academic probation are not eligible for a National University internship program. Once intern eligible, candidates must apply for an Internship Credential which is valid for two years and issued specifically for the site of hire. All candidates participating in the Administrative Services University Internship program must serve a minimum of one full year in the internship position to be recommended for the Preliminary credential.

Candidates who are interested in becoming a university intern must complete and show verification of all prerequisite requirements and go through the internship eligibility process to determine suitability for the internship program (see below).

University Internship Prerequisite Requirements

- Possession of a valid Clear, Life, General, or Services credential. A day to day or short term teaching permit does not qualify as an accepted credential for admission.
- Proof of passage of a Basic Skills Assessment
- Five years of experience
- A letter of application stating the candidate’s qualifications for admission to the internship program, plus three letters of recommendation, one of the three must be from superintendent or district representative*
- Agreement on file between the employing District, School or Agency and National University
- Negative TB test results or Tuberculosis Risk Assessment with Certificates of Completion (valid within the last four years)
- Minimum 3.0 GPA (D, F, and U grades are not accepted)
- Current account balance

*All candidates must furnish three letters of recommendation from the district discussing his/her prospects for success in the program. One of the letters must be from the superintendent or the superintendent’s designee pledging district support of the candidate.

University Internship Eligibility Requirements

In addition to completion of all internship prerequisites, candidates are required to verify completion of the following Intern Eligibility:

1. Verification of internship program prerequisites
2. District or agency offer of employment for the intern as a full time administrator in a setting appropriate for the credential being sought
3. Verification of intern eligibility determined in an interview by lead internship faculty

CLEAR ADMINISTRATIVE SERVICES CREDENTIAL INDUCTION PROGRAM

The Administrative Services Credential authorizes the holder to provide the following school services in grades K-12, preschool, and classes organized primarily for adults: develop, coordinate, and assess instructional programs; evaluate certificated and classified personnel; provide student discipline; provide certificated and classified employees discipline, supervise certificated and classified personnel; manage school site, district, or county level fiscal services; recruit, employ, and assign certificated and classified personnel; and develop, coordinate, and supervise student support services.

The Clear Administrative Services Credential Induction Program is a two-year program focusing on professional development (PD) for Candidates’ leadership performance. The job-embedded PD replaces a more traditional approach where learning is more theoretical and occurs in the classroom and is a response to new research-based practices and evolving expectations of schools to prepare students for success beyond grade school. The core of the Induction Program is the coaching experience – a highly qualified, trained Coach is assigned to the Candidate and works collaboratively with them to develop the Candidate’s skills and knowledge while evaluating their attainment of goals and demonstration of leadership.

<http://www.ctc.ca.gov/educator-prep/standards/SVC-Admin-Handbook-2014.pdf> p.27

Admission Requirements

In order to be admitted into the Program, Candidates must complete a Credential Packet that includes or provides evidence/proof of the following:

- Signed Acknowledgement of Terms and Agreements
- Preliminary Administrative Services Credential
- Current employment in an appropriate administrative services position

Recommendation Requirements

In order to be recommended for a Credential, Candidates must:

- All credential program coursework with minimum satisfactory grades (U grades are not accepted)
- Valid Preliminary Administrative Services Credential (with at least one year remaining on document)
- Two years of experience as an Administrator
- Zero account balance

EDUCATION SPECIALIST CREDENTIAL PROGRAMS PRELIMINARY EDUCATION SPECIALIST AUTHORIZATION TEACHING CREDENTIALS

The Education Specialist Instruction Credential authorizes the holder to conduct Educational Assessments related to student’s access to the academic core curriculum and progress towards meeting instructional academic goals, provide instruction, and Special Education Support to individuals in the area of specialization listed on the credential in the following settings: resource rooms or services; special education settings; general education settings; special schools; home/hospital settings; state hospitals; development centers; correctional facilities; non-public, non-sectarian schools and agencies; alternative and non-traditional instructional public school settings other than classroom. Autism Spectrum Disorders (ASD) content is included in the new preliminary Education Specialist Instruction Teaching Credential programs for all specialty areas.

Deaf and Hard-of-Hearing (DHH)

Includes deaf-blind; deaf with other special needs; and authorizes service to individual's age birth through 22 and in classes organized primarily for adults in services across the continuum of program options available. The Autism Spectrum Disorders (ASD) authorization appears as a separate authorization on the Education Specialist Instruction Credential.

Language and Academic Development (LAD)

Authorizes the holder to provide instructional services to students with academic communication and language needs to children in preschool, kindergarten, in grades 1 - 12 through age 22, and classes organized primarily for adults, but does not take the place of speech and language services as defined in Education Code section 56333. The Autism Spectrum Disorders (ASD) authorization appears as a separate authorization on the Education Specialist Instruction Credential.

Mild/Moderate Disabilities (M/M)

Includes specific learning disabilities; mild to moderate mental retardation; attention deficit and attention deficit hyperactivity disorders; serious emotional disturbance; and authorizes service in grades K-12 and in classes organized primarily for adults through age 22. The Autism Spectrum Disorders (ASD) authorization appears as a separate authorization on the Education Specialist Instruction Credential.

Moderate/Severe Disabilities (M/S)

Includes autism; deaf-blindness; moderate to severe mental retardation; multiple disabilities; serious emotional disturbance; and authorizes service in grades K-12 and in classes organized primarily for adults through age 22.

Admission Requirements

In order to be admitted into the Program, Candidates must complete a Credential Packet that includes or provides evidence/proof of the following:

- Signed Acknowledgement of Terms and Agreements
- Request for Student Teaching Placement
- Negative TB test results or Tuberculosis Risk Assessment with Certificates of Completion (valid within the last four years)
- Fingerprint Clearance through the CTC
- Attend mandatory program information meeting with Faculty
- Proof of attempt or passage of Basic Skills Assessment* is required for admittance to the program (Proof of passage is mandatory prior to scheduling specialization)
- Proof of Subject Matter Competency in an NCLB Core Academic Subject Area may be shown by one of the scenarios listed below (Proof of passage is mandatory prior to scheduling specialization). The Education Specialist Credential programs admit only those candidates who meet one of the following criteria:
 - » The candidate provides evidence of registration for the next scheduled examination.
 - » The candidate provides evidence of having attempted the appropriate subject matter examination(s).
 - » The candidate provides evidence of having completed a Commission approved appropriate subject matter preparation program (Single Subject Candidates only).
 - » The candidate provides evidence of enrollment in an organized subject matter examination preparation program.

* The Basic Skills Assessment may be waived based upon prelingual deafness. Prelingually deaf candidates who opt to waive the Basic Skills Assessment will be issued a two year preliminary credential instead of a five year.

Core Coursework Requirements

In addition to meeting the admissions requirements, for a Credential Program Specialist to schedule TED 621A, TED 621B, TED 623, SPD 622 and SPD 628 candidates must show proof of the following:

- Proof of a Basic Skills Assessment
- Proof of Subject Matter Competency in an NCLB Core Academic Subject Area

Specialization Requirements

In addition to meeting the admissions and core requirements, to be scheduled in specialization coursework candidates must also complete and return the following:

- All core coursework with minimum 3.0 GPA (D, F, and U grades are not accepted)
- Passage of the Generic Core Exam (Basic Skills and Subject Matter must be met prior to taking the Generic Core Exam)
- FOR DHH PROGRAM CANDIDATES ONLY: Pass American Sign Language Proficiency Interview-Gallaudet (minimum score of 4)

* Basic Skills Assessment may be waived based upon prelingual deafness. Prelingually deaf candidates who opt to waive the Basic Skills Assessment will be issued a two year preliminary credential instead of a five year.

Student Teaching Requirements

In addition to meeting the admissions and specialization requirements, to be cleared to begin student teaching candidates must also complete and return the following 90 days prior to start date:

- All specialization coursework with minimum 3.0 GPA (D, F, and U grades are not accepted)
- Student Teaching Placement Request Form
- Faculty Student Teaching Interview
- Current account balance
- FOR DUAL CANDIDATES ONLY: Pass Teaching Performance Assessment (TPA) Tasks 1 & 2 (For additional information, see the Teacher Education Credential Program section)

Recommendation Requirements

In addition to meeting the admissions, specialization and student teaching requirements; candidates must also complete and return the following prior to credential recommendation:

- U.S. Constitution requirement met by exam, transcript verifying completed U.S. Constitution coursework or CSU Bachelor's degree
- Reading Instruction Competence Assessment (RICA)*
- CPR (incl. Infant, Child, and Adult)
- Exit Exam
- All credential program coursework with minimum 3.0 GPA (D, F, and U grades are not accepted)
- Zero account balance
- FOR DUAL CANDIDATES ONLY: Pass all four Teaching Performance-Assessment (TPA) Tasks
- FOR DHH PROGRAM CANDIDATES ONLY: Pass American Sign Language Proficiency Interview-Gallaudet (Minimum score of 4)

* The RICA exam may be waived based upon prelingual deafness. Prelingually deaf candidates who opt to waive the RICA will be issued a two year preliminary credential instead of a five year.

* National University cannot recommend Dual candidates for a Preliminary Single Subject Credential prior to passage of the RICA.

All test results must remain valid in order to apply for credential, except for negative TB test results.

ALTERNATIVE EDUCATION SPECIALIST CLINICAL PRACTICE ROUTES

Student Teaching Under Contract

National University provides a program whereby actively employed teachers can complete the requirements for his/her teaching credential while employed. All of the student teaching may be conducted in the candidate's classroom, assuming that the contract position is a match for the credential sought. Credential candidates teaching under contract must be:

- In a regionally (WASC) approved nonpublic school setting must complete a minimum of four weeks in a public school.

- Under the supervision of a University Supervisor and Supervising Teacher who model effective teaching, implement state-adopted academic core curriculum, and mentor the candidate.
- Teaching in an approved assignment that is a match for the credential sought.

University Internship Program

The University internship route provides an opportunity for candidates who have been offered employment to complete clinical practice, while employed in an appropriate position as a teacher of record. This experience is a partnership between the candidate, National University, and the employer meant to support the candidate in an environment similar to that authorized by the preliminary credential obtained at the end of the program.

Candidates on probation or permanent academic probation are not eligible for a National University internship program. National University candidates who are interested in becoming a university intern must complete and show verification of all prerequisite requirements and go through the internship eligibility process to determine suitability for the internship program. Once intern eligible, candidates must apply for an Internship Credential which is valid for two years and issued specifically for the site of hire.

University Internship Prerequisite Requirements

- Conferred bachelor's degree (regionally accredited)
- Fingerprint Clearance through the CTC
- Negative TB test results or Tuberculosis Risk Assessment with Certificates of Completion (valid within the last four years)
- Proof of passage of a Basic Skills Assessment
- Proof of Subject Matter Competency in an NCLB Core Academic Subject Area
- U.S. Constitution requirement met by exam, transcript verifying completed U.S. Constitution coursework or CSU Bachelor's degree
- 120 hours of pre-service met by coursework (SPD 608, TED 621B & SPD 614)
- Minimum 3.0 GPA (D, F, and U grades are not accepted)
- Agreement on file between the employing District, School or Agency and National University
- Zero account balance

University Internship Eligibility Requirements

In addition to completion of all internship prerequisites, candidates are required to verify completion of the following Intern Eligibility:

1. Verification of internship program prerequisites
2. Completed Internship Participation form
3. District or agency provisional offer of employment for the intern as a full time teacher of record in a setting appropriate for the credential being sought with a minimum of 20 instructional hours per week
4. Internship Eligibility Packet complete and on file with Credentials Department
5. Verification of intern eligibility determined in an interview by lead internship faculty

CLEAR EDUCATION SPECIALIST INDUCTION PROGRAM

The Clear Education Specialist Teaching Credential Program combines the "strongest and most effective" portions of the Beginning Teacher Support and Assessment (BTSA) Induction Program and the Level II Special Education Preparation Program. The Education Specialist Instruction Credential authorizes the holder to teach in specific disability areas in the following settings: special day classes, special schools, home/hospital settings, correctional facilities, nonpublic schools and agencies, and resource rooms. National University's program is designed to clear the following authorizations: Mild/Moderate; Moderate/Severe; Deaf & Hard of Hearing; and Language and Academic Development.

Admission Requirements

In order to be admitted into the Program, Candidates must complete a Credential Packet that includes or provides evidence/proof of the following:

- Signed Acknowledgement of Terms and Agreements
- Preliminary Special Education Credential or Level I Education Specialist
- Instruction Credential*
- Current employment in an appropriate special education position

* For Level I Education Specialist Instruction Credential holders: A Transition Plan will be developed for each Candidate prior to the completion of their preliminary program. The Transition Plan will contain an Individualized Induction Plan (IIP), which may include professional development and/or additional coursework. In order to obtain a clear, all Level I Education Specialist candidates are required to show proof of completed coursework in Educational Technology and Health Education, including valid CPR Certification for Infant, Child and Adult. Candidates will be evaluated for these courses. If these courses have been completed in a Level I program or at another university, the candidate should meet with a Credential Program Specialist to review the transcripts/course descriptions.

Recommendation Requirements

In order to be recommended for a Credential, Candidates must:

- All credential program coursework with minimum 3.0 GPA (D, F, and U grades are not accepted)
- For Level I Credential Holders Only: Meet Educational Technology & Health Education (incl. CPR) requirement
- Zero account balance

NOTE: Holders of both a Preliminary General Education (Multiple or Single Subject) and Preliminary/Level I Special Education Teaching Credential may Clear both Credentials through one induction program. An IIP will be developed to identify the requirements needed.

PUPIL PERSONNEL SERVICES CREDENTIAL: SCHOOL COUNSELING

The Pupil Personnel Services Credential with School Counseling Specialization authorizes the holder to perform the following duties: develop, plan, implement, and evaluate a school counseling and guidance program that include academic, career, personal, and social development; advocate for the high academic achievement and social development of all students; provide school-wide prevention and intervention strategies and counseling services; provide consultation, training, and staff development to teachers and parents regarding students' needs. Candidates seeking only a School Counseling credential must already hold an appropriate Master's degree. Candidates who do not already hold an appropriate Master's degree must be enrolled into the Master of Science in Educational Counseling with Credential program.

Admission Requirements

In order to be admitted into the Program, Candidates must complete a Credential Packet that includes or provides evidence/proof of the following:

- Signed Acknowledgement of Terms and Agreements
- Proof of Master's Degree or enrollment in National University's Master of Science in Educational Counseling
- Proof of attempt or passage of Basic Skills Assessment is required for admittance to the program (Proof of passage is mandatory prior to clinical practice)
- Negative TB test results or Tuberculosis Risk Assessment with Certificates of Completion (valid within the last four years)
- Proof of Fingerprint Clearance through the CTC
- Online Assessment Course Residency Requirements form

Candidates must also successfully complete the orientation course CED 607 and meet with his/her Faculty Advisor for initial advisement to be fully admitted into the program.

Internship Requirements

In addition to meeting the admissions requirements, in order to begin internship hours candidates must meet all admissions requirements and return the following 30 days prior to start:

- Proof of passage of a Basic Skills Assessment
- Internship Application Form
- Complete 10 (ten) CED courses including: CED 610, CED 611, CED 603, and CED 601 (excluding: CED 637, CED 694 and CED 620)
- Minimum 3.0 GPA (D, F, and U grades are not accepted)
- Current account balance

Recommendation Requirements

In addition to meeting the admission and internship requirements, to be recommended for a Pupil Personnel Services: School Counseling Credential candidates must also complete and return the following:

- Passage of the ETS Praxis (#0421) examination in School Counseling (passing score is 156)
- Possession of an appropriate Master's degree or completed Master's degree coursework
- Exit interview with NU Faculty Advisor or University Supervisor
- All credential program coursework with minimum 3.0 GPA (D, F, and U grades are not accepted)
- Zero account balance

All test results must remain valid in order to apply for credential, except for negative TB test results.

PUPIL PERSONNEL SERVICES CREDENTIAL: SCHOOL COUNSELING UNIVERSITY INTERNSHIP PROGRAM

The University internship route provides an opportunity for candidates who have been offered employment to complete clinical practice, while employed in an appropriate position as a school counselor. This experience is a partnership between the candidate, National University, and the employer meant to support the candidate in an environment similar to that authorized by the credential obtained at the end of the program.

Candidates on probation or permanent academic probation are not eligible for a National University internship program. National University candidates who are interested in becoming a university intern must complete and show verification of all prerequisite requirements and go through the internship eligibility process to determine suitability for the internship program. Once intern eligible, candidates must apply for an Internship Credential which is valid for two years and issued specifically for the site of hire.

National University candidates who are interested in becoming a university intern must complete and show verification of all prerequisite requirements and go through the internship eligibility process to determine suitability for the internship program.

University Internship Prerequisite Requirements

- Proof of Fingerprint Clearance through the CTC
- Proof of passage of a Basic Skills Assessment
- Negative TB test results or Tuberculosis Risk Assessment with Certificates of Completion (valid within the last four years)
- Letter of recommendation from the Principal or Administrator of the hiring school
- Complete 12 (twelve) CED courses including CED 610, CED 611, CED 603, and CED 601 (except CED 637, CED 694 and CED 620) if not completed the following will be required:
 - » Completion of program prerequisites courses, CED 607 and four additional core CED courses
 - » Verification of two years relevant paid experience in a K-12 public school or related system or as a licensed counselor or therapist
- Faculty approval of an American School Counseling Association (ASCA) National Model essay
- Minimum 3.0 GPA (D, F, and U grades are not accepted)
- Zero account balance
- Recommendation by NU Faculty Advisor

University Internship Eligibility Requirements

In addition to completion of all internship prerequisites, candidates are required to verify completion of the following Intern Eligibility:

- Verification of internship program prerequisites
- Agreement on file between the employing District, School or Agency and National University
- District or agency offer of employment for the intern as a full time school counselor with a minimum of 10 hours per week.
- Verification of intern eligibility determined in a Faculty Advisor interview

PUPIL PERSONNEL SERVICES CREDENTIAL: SCHOOL PSYCHOLOGY

The Pupil Personnel Services Credential with School Psychology Specialization authorizes the holder to perform the following duties: provide services that enhance academic performance; design strategies and programs to address problems of adjustment; consult with other educators and parents on issues of social development and behavioral and academic difficulties; conduct psycho-educational assessment for purposes of identifying special needs; provide psychological counseling for individuals, groups, and families; coordinate intervention strategies for management of individuals and school wide crises.

Admission Requirements

In order to be admitted into the Program, Candidates must complete a Credential Packet that includes or provides evidence/proof of the following:

- Signed Acknowledgement of Terms and Agreements
- Proof of attempt or passage of Basic Skills Assessment is required for admittance to the program (Proof of passage is mandatory prior to internship)
- Negative TB test results or Tuberculosis Risk Assessment with Certificates of Completion (valid within the last four years)
- Fingerprint Clearance through the CTC

Internship Requirements

In addition to meeting the admissions requirements, to be cleared to begin internship hour's candidates must also complete and return the following 30 days prior to the start date:

- Proof of passage of a Basic Skills Assessment
- Internship Application Form
- Minimum 3.0 GPA (D, F, and U grades are not accepted)
- Current account balance

Recommendation Requirements

In addition to meeting the admission and internship requirements; candidates must also complete and return the following prior to credential recommendation:

- Passage of the ETS National Praxis (#5402) examination-School Psychology (passing score is 132)
- Complete all program coursework with minimum 3.0 GPA (D, F, and U grades are not accepted)
- Conferred masters 's degree (regionally accredited)
- Exit interview with NU Faculty Advisor or University Supervisor
- Zero account balance

All test results must remain valid in order to apply for credential, except for negative TB test results.

PUPIL PERSONNEL SERVICES CREDENTIAL: SCHOOL PSYCHOLOGY UNIVERSITY INTERNSHIP

The University internship route provides an opportunity for candidates who have been offered employment to complete clinical practice, while employed in an appropriate position as a school psychologist. This experience is a partnership between the candidate, National University, and the employer meant to support the candidate in an environment similar to that authorized by the credential obtained at the end of the program.

Candidates on probation or permanent academic probation are not eligible for a National University internship program. National University candidates who are interested in becoming a university intern must complete and show verification of all prerequisite requirements and go through the internship eligibility process to determine suitability for the internship program. Once intern eligible, candidates must apply for an Internship Credential which is valid for two years and issued specifically for the site of hire.

National University candidates who are interested in becoming a university intern must complete and show verification of all prerequisite requirements and go through the internship eligibility process to determine suitability for the internship program.

University Internship Prerequisite Requirements

Candidates must complete and provide evidence/proof of the following:

- Fingerprint Clearance through the CTC
- Proof of passage of a Basic Skills Assessment
- Negative TB test results or Tuberculosis Risk Assessment with Certificates of Completion (valid within the last four years)
- Complete all program coursework (excluding internship & seminar)
- Minimum 3.0 GPA (D, F, and U grades are not accepted)
- Current account balance
- Recommendation by NU Faculty Advisor

University Internship Eligibility Requirements

In addition to completion of all internship prerequisites, candidates are required to verify completion of the following Intern Eligibility:

- Verification of internship program prerequisites
- Agreement on file between the employing District, School or Agency and National University
- District or agency offer of employment for the intern as a full time school psychologist
- Verification of intern eligibility determined in an interview by NU Faculty Advisor

TEACHER EDUCATION CREDENTIAL PROGRAMS MULTIPLE/SINGLE SUBJECT TEACHING CREDENTIAL

The Multiple Subject Teaching Credential authorizes the holder to teach in a self-contained classroom in grades PreK-12 or in classes organized primarily for adults. In addition, the holder of a Multiple Subject Teaching Credential may serve in a core or team teaching setting. The Single Subject Teaching Credential authorizes the holder to teach in departmentalized classes in any subject within his/her authorized fields in grades PreK-12, or in classes organized primarily for adults. The SB2042 credentials carry with them an authorization to teach English Language Learners both in the general education classroom and in designated classes.

Admission Requirements

In order to be admitted into the Program, Candidates must complete a Credential Packet that includes or provides evidence/proof of the following:

- Signed Acknowledgement of Terms and Agreements
- Request for Student Teaching Placement
- Negative TB test results or Tuberculosis Risk Assessment with Certificates of Completion (valid within the last four years)
- Proof of Fingerprint Clearance through the CTC
- Attend mandatory program information meeting with Faculty
- Proof of attempt or passage of Basic Skills Assessment is required for admittance to the program (Proof of passage is mandatory prior to scheduling methods courses)
- Proof of Subject Matter Competency may be shown by one of the scenarios listed below (Proof of passage is mandatory prior to scheduling methods courses). The Multiple/Single Subject Credential programs admit only those candidates who meet one of the following criteria:

- » The candidate provides evidence of registration for the next scheduled examination.
- » The candidate provides evidence of having attempted the appropriate subject matter examination(s).
- » The candidate provides evidence of having completed a Commission approved appropriate subject matter preparation program (Single Subject Candidates only).
- » The candidate provides evidence of enrollment in an organized subject matter examination preparation program.

Teaching Performance Assessment (TPA)

All Multiple and Single Subject Credential Candidates are required to pass the Teaching Performance Assessment (TPA) mandated by the California Commission on Teacher Credentialing (CTC). The assessments are scored anonymously by Assessors who are calibrated by the CTC to ensure accurate and fair scoring. The TPA is comprised of four Tasks that are to be completed independently by candidates during their program:

- Task 1: Subject Specific Pedagogy
- Task 2: Designing Instruction
- Task 3: Assessing Learning
- Task 4: Culminating Teaching Experience

National University's TPA program is hosted by Taskstream (www.taskstream.com). Candidates are required to open an account and purchase a subscription. Taskstream subscription costs are monthly, however it is recommended that a \$49 one-year subscription be purchased. For each submission made, including resubmissions, candidates will be charged a National University assessment fee.

TPA Fee Structure:

- Task 1: \$65
- Task 2: \$65
- Task 3: \$65
- Task 4: \$110*

* Task 4 requires a higher fee because of the length of the task.

For additional information on the TPA Program at National University please visit the TPA Webpage: <https://w.taskstream.com/ts/manager17/TPANU>

Methods Coursework Requirements

In addition to meeting the admissions requirements, for a Credential Program Specialist to schedule TED 621A, 621B, 623, 632, 633, 634, 635 & 636 candidates must show proof of the following:

- Proof of a Basic Skills Assessment
- Proof of Subject Matter Competency

Student Teaching Requirements

In addition to meeting the admissions and methods requirements, to be cleared to begin student teaching candidates must also complete and return the following 90 days prior to start date:

- Student Teaching Placement Request Form
- Passage of Teaching Performance Assessments (TPA) Tasks 1 & 2 (minimum passing score is 3)
- For Graduate students: All credential program coursework with minimum 3.0 GPA (D, F, and U grades are not accepted)
- For Undergraduate students: All credential and undergraduate coursework with minimum 2.5 GPA (F, and U grades are not accepted)
- Current account balance
- Attend Screening Interview with a School of Education faculty member
- Attend Student Teaching orientation

Eligible candidates with three or more years of accredited private school experience may be exempt from student teaching under SB 57. See a Credential Program Specialist for details.

Eligible candidates with six or more years of accredited private school experience may apply directly to the California Commission on Teacher Credentialing

(CTC) under SB 57 by submitting application form 41-4, fingerprint clearance materials, transcripts, other requested materials, and current applicable fees. Website: [http:// www.ctc.ca.gov/](http://www.ctc.ca.gov/)

Student Teaching Placement Information

Candidates will be placed by the University:

- Under the supervision of a National University Support Provider and Site Support Provider(s)
- In a supervised full-time student teaching assignment within the appropriate credential area, in two different teaching settings, in two different grade spans, for a minimum of 80 instructional days

At least one-half of student teaching, will be conducted in approved public, charter, or private schools that implement state adopted core curriculum content standards within the state of California. Summer school, after-school programs, and outdoor education programs will be reviewed to determine if they meet criteria for a student teaching assignment. Court schools or community alternative schools may be acceptable placements for one-half of the student teaching experience.

Recommendation Requirements

In addition to meeting the admissions, methods and student teaching requirements; candidates must also complete and return the following prior to credential recommendation:

- Pass all four Teaching Performance Assessment (TPA) Tasks
- U.S. Constitution requirement met by exam, transcript verifying completed U.S. Constitution coursework or CSU Bachelor's degree
- Proof of passing the Reading Instruction Competence Assessment (RICA) – Multiple Subject candidates only
- CPR certification for Infant, Child, and Adult
- For Graduate students: All credential program coursework including clinical practice with minimum 3.0 GPA (D, F, and U grades are not accepted)
- For Undergraduate students: All credential and undergraduate coursework including clinical practice with minimum 2.5 GPA (F, and U grades are not accepted)
- Zero account balance

All test results must remain valid in order to apply for credential, except for negative TB test results.

ALTERNATIVE CLINICAL PRACTICE ROUTES

Student Teaching Under Contract

National University provides a program whereby actively employed teachers can complete the requirements for his/her teaching credential while employed. All of the student teaching may be conducted in the candidate's classroom, assuming that the contract position is a match for the credential sought.

Credential candidates teaching under contract must be:

- In a regionally (WASC) approved nonpublic school setting must complete a minimum of four weeks in a public school.
- Under the supervision of a University Supervisor and Supervising Teacher who model effective teaching, implement state-adopted academic core curriculum, and mentor the candidate.
- Teaching in an approved assignment that is a match for the credential sought.

University Internship Program

The University internship route provides an opportunity for candidates who have been offered employment to complete clinical practice, while employed in an appropriate position as a teacher of record. This experience is a partnership between the candidate, National University, and the employer meant to support the candidate in an environment similar to that authorized by the preliminary credential obtained at the end of the program.

Candidates on probation or permanent academic probation are not eligible for a National University internship program. National University candidates who are interested in becoming a university intern must complete and show verification of all prerequisite requirements and go through the internship eligibility process to determine suitability for the internship program. Once intern eligible, candidates

must apply for an Internship Credential which is valid for two years and issued specifically for the site of hire.

Graduate level National University candidates who are interested in becoming a university intern must complete and show verification of all prerequisite requirements and go through the internship eligibility process to determine suitability for the internship program.

University Internship Prerequisite Requirements

- Proof of Fingerprint Clearance through the CTC
- Bachelor's Degree on file
- Proof of passage of a Basic Skills Assessment
- Proof of Subject Matter Competency
- Completion of U.S. Constitution requirement met by exam, transcript verifying completed U.S. Constitution coursework or CSU Bachelor's degree
- Negative TB test results or Tuberculosis Risk Assessment with Certificates of Completion (valid within the last four years)
- 120 hours of pre-service met by coursework
- Minimum 3.0 GPA (D, F, and U grades are not accepted)
- Agreement on file between the employing District, School, or Agency and National University
- Current account balance
- Taskstream Subscription

University Internship Eligibility Requirements

In addition to completion of all internship prerequisites, candidates are required to verify completion of the following Intern Eligibility:

- Verification of internship program prerequisites
- Internship candidate acknowledgement
- District or agency offer of employment for the intern as a full time teacher of record in a setting appropriate for the credential being sought with a minimum of 20 instructional hours per week
- Verification of intern eligibility determined in an interview by lead internship faculty

INTERNSHIP EARLY COMPLETION OPTION (ECO)

The Early Completion Internship Option is intended to provide candidates with requisite skills and knowledge, an opportunity to challenge the academic coursework portion of a Multiple or Single Subject Internship Program and demonstrate pedagogical skills through a performance assessment while in a University internship program. The Early Completion Internship Option (ECO) is available to candidates who have passed the appropriate National Evaluation Series (NES) Assessment of Professional Knowledge (APK) exam.

ECO Eligibility Requirements

In order to be eligible for the Early Completion Internship Option, candidates must:

For Multiple Subjects:

- Complete all University Internship Prerequisite and Eligibility requirements except the 120 hours of pre-service met by coursework
- Passage of the National Evaluation Series (NES) Assessment of Professional Knowledge (APK): Elementary (Test code 051) with minimum score of 220
- Passage of TPA Task 1: Subject Specific Pedagogy-Multiple Subject*

For Single Subject

- Complete all University Internship Prerequisite and Eligibility requirements except the 120 hours of pre-service met by coursework
- Passage of the National Evaluation Series (NES) Assessment of Professional Knowledge (APK): Secondary (Test code 052) with minimum score of 220

- Passage of TPA Task 1: Subject Specific Pedagogy-In the appropriate Single Subject area (must match subject matter competence)*

ECO Recommendation Requirements

Candidates who have been granted the University internship credential and are eligible for the Early Completion Internship Option will need to complete the following in order to be recommended for a Preliminary credential:

- Meet Education Technology requirement (EDX 1201X, or an equivalent course/exam)
- Passage of the Reading Instruction Competence Assessment (RICA) – Multiple Subject ONLY
- Passage of the remaining three Teaching Performance Assessment Tasks: Task 2- Designing Instruction, Task 3- Assessing Learning and Task 4- Culminating Teaching Experience within the first academic year of enrolling in the intern ECO route*

* If the candidate does not pass the TPA on the first attempt, he/she is no longer eligible to participate in the Early Completion Internship Option Program and must complete the full intern preparation program through an individualized professional development plan that emphasizes preparation in areas where additional growth is warranted and waives preparation in areas where the candidate has demonstrated competence.

CLEAR MULTIPLE/SINGLE SUBJECT CREDENTIAL PROGRAM

Individuals who were issued a Preliminary SB 2042 Multiple Subject Teaching Credential with the renewal code R141 must complete a Commission-approved professional teacher induction program in order to obtain the clear teaching credential, unless the employing agency determines that an induction program is unavailable to the credential candidate. Under these circumstances, the applicant may complete a Commission-approved SB 2042 fifth year program.

Admission Requirements

In order to be admitted into the Program, Candidates must complete a Credential Packet that includes or provides evidence/proof of the following:

- Signed Acknowledgement of Terms and Agreements
- Verification of Unavailability of a Commission-Approved Induction Program (CL-855)
- Preliminary SB2042 Credential
- Proof of 45 (post-graduate) quarter units
- Current employment in an appropriate general education position

Recommendation Requirements

In addition to meeting the admissions requirements; candidates must also complete and return the following prior to credential recommendation:

- All credential program coursework with minimum 3.0 GPA (D, F, and U grades are not accepted)
- Zero account balance

SCHOOL OF ENGINEERING AND COMPUTING

UNDERGRADUATE DEGREE

BACHELOR OF SCIENCE

Modified Program

MAJOR IN BIOMEDICAL ENGINEERING TECHNOLOGY

Faculty Advisor: Peilin Fu; (858) 309-3432; pfu@nu.edu

The impact of modern electronics technology in the growing field of medical instrumentation and device area mandates the needs for trained engineering technology professionals, to design, maintain, troubleshoot, and repair medical instruments and devices. This biomedical engineering technology program will cover areas such as electronic circuit design and analysis, digital circuits including microprocessors, medical devices and instrumentation, medical imaging, sensors,

safety and compliance in healthcare, as well as such important skills as project management and team building.

This program provides the student with knowledge and skills to function as medical instrumentation technologist/engineer. Students will gain an in-depth understanding of human anatomy, sensing and monitoring principles, and instrumentation and device operation. Graduates of this degree program will find opportunities in manufacturing, hospitals, laboratories, government, and many other industrial sectors. This program will prepare students for the entry level jobs as: test engineer, field engineer, production engineer, design engineer, quality engineer, sales engineer.

Program Learning Outcomes

Upon successful completion of this program, students will be able to:

- Analyze and maintain analog and digital sensors, medical devices, and other biomedical systems.
- Utilize math, science, engineering, and technology to solve biomedical technology problems.
- Apply laboratory skills, including the use of appropriate hardware, software, simulation techniques, and data analysis in support of biomedical systems.
- Employ creativity in the design and implementation of components and/or systems relevant to biomedical systems.
- Design and manage projects, and function effectively as a member of a technical team.
- Demonstrate a recognition of the need for, and an ability to engage in lifelong learning.
- Communicate through written, verbal, and graphical media.
- Demonstrate awareness of professional, ethical, and global issues in a diverse society.
- Apply professional standards in decision-making.

Degree Requirements

To receive a Bachelor of Science in Biomedical Engineering Technology, students must complete at least 178.5 quarter units, 76.5 of which must be completed at the upper-division level and 45 of which must be taken in residence, including the research project classes. All Bachelor degree students must complete a minimum 70.5 units of the University General Education requirements. In the absence of transfer credit, students may need to take additional general electives to satisfy the total units for the degree. Students should refer to the section on undergraduate admission procedures for specific information on admission and evaluation.

Prerequisites for the Major (23 courses; 88.5 quarter units)

- MTH 215 College Algebra & Trigonometry
Prerequisite: Accuplacer test placement evaluation or MTH 12A and MTH 12B
- PHS 104 Introductory Physics
Prerequisite: 2 years of high school algebra, and MTH 204 or MTH 215 or MTH 216A and MTH 216B
- PHS 104A Introductory Physics Lab (1.5 quarter units)
Prerequisite: PHS 104 or PHS 171 for science majors
- or
- PHS 130A Physics Lab for Engineering (1.5 quarter units)
- CHE 101 Introductory Chemistry
Recommended Preparation: MTH 204 or MTH 215 or MTH 216A and MTH 216B
- CHE 101A Introductory Chemistry Lab (1.5 quarter units)
Prerequisite: CHE 101 or CHE 141 for science majors
- or
- CHE 120A Intro to Chemistry Lab for Eng (1.5 quarter units)
Prerequisite: CHE 101

EGR 219	Intro to Graphics and Auto CAD <i>Prerequisite: MTH 215</i>	BET 401L	Medical Devices I Lab (1.5 quarter units) <i>Corequisite: BET 401</i>
EGR 220	Engineering Mathematics <i>Prerequisite: MTH 215</i>	BET 402	Medical Devices II <i>Prerequisite: BET 401 and BET 401L</i>
EGR 225	Statics & Strength of Material <i>Prerequisite: EGR 220</i>	BET 403	Medical Imaging Technology <i>Prerequisite: BET 401 and BET 402</i>
EGR 230	Electrical Circuits & Systems <i>Prerequisite: MTH 215</i>	BET 404	Medical Device Compliance
EGR 240	Electronic Circuits <i>Prerequisite: EGR 230, Corequisite: EGR 240L</i>	EGR 440	Project Management Fundamental
EGR 240L	Electronic Circuits Lab (1.5 quarter units) <i>Corequisite: EGR 240</i>	EGR 496A	Senior Capstone Project I <i>Prerequisite: EGR 440 and satisfactory completion of courses as specified by Lead faculty</i>
ITM 230	Computer Network Overview	EGR 496B	Senior Capstone Project II <i>Prerequisite: EGR 496A</i>
CSC 242	Intro to Programming Concepts <i>Prerequisite: MTH 215</i>		
CSC 252	Programming in C++ <i>Prerequisite: CSC 242</i>		
or			
CSC 262	Programming in JAVA <i>Prerequisite: MTH 215</i>		
CSC 220	Applied Probability & Stats. <i>Prerequisite: MTH 215</i>		
CSC 340	Digital Logic Design <i>Corequisite: CSC340L, Prerequisite: CSC 208 or EGR 220</i>		
CSC 340L	Digital Logic Design Lab (1.5 quarter units) <i>Corequisite: CSC 340</i>		
EGR 320	Scientific Problem Solving <i>Prerequisite: CSC 208 or EGR 220</i>		
EGR 320L	Scientific Problem Solving-LAB (1.5 quarter units) <i>Prerequisite: EGR 320</i>		
DEN 308	Computer Aided Engineering I <i>Prerequisite: EGR 219</i>		
CSC 208	Calculus for Comp. Science I <i>Prerequisite: MTH 215</i>		
ENG 334A	Technical Writing <i>Prerequisite: ENG 100 and ENG 101 (Only Business, Engineering and Nursing majors may fulfill the requirement by taking ENG 334A)</i>		
BIO 110	Introduction to Human Biology		

Requirements for the Major (13 courses; 49.5 quarter units)

EGR 310	Engineering Economics <i>Prerequisite: MTH 215</i>
EGR 324	Linear Systems and Signals <i>Prerequisite: CSC 208 or MTH 220 and EGR 230 or CEE 310</i>
EGR 324L	Linear Systems and Signals Lab (1.5 quarter units) <i>Corequisite: EGR 324</i>
EGR 340	Embedded Systems <i>Prerequisite: CSC 208 and CSC 252 or CSC 262</i>
EGR 340L	Embedded Systems Lab (1.5 quarter units) <i>Corequisite: EGR 340</i>
BET 401	Medical Devices I <i>Prerequisite: EGR 240 or EGR 324 and CEE 420</i>

Modified Program

MAJOR IN COMPUTER SCIENCE

Faculty Advisor: Ronald Uhlig; (858) 309-3415; ruhlig@nu.edu

The Bachelor of Science in Computer Science degree program provides a strong technical background for students planning to begin careers upon graduation and for those interested in graduate study in computer science. Degree requirements include courses in object oriented programming, data structures and algorithms, operating systems, computer communication networks, software engineering, and computer architecture, as well as mathematics, statistics, and the natural sciences. The program features a rigorous academic foundation that is complemented by realistic programming assignments. Emphasis is placed on developing both the technical and design skills necessary to begin and enhance an individual's career. Graduates of this program are well prepared for immediate employment in either the computer industry or many other businesses that increasingly rely on computer science.

The Bachelor of Science in Computer Science Program Educational Objectives are as follows.

Within a few years of graduation, graduates are expected to be:

- Engaged and active as responsible professionals pursuing diverse career paths or successfully continuing their education in graduate school
- Participating in continuing education opportunities enabling them to understand and apply new ideas and technologies in the field of computing
- Effective communicators and team members
- Active contributors to their community and their profession

Bachelor of Science in Computer Science/Master of Science in Computer Science (BSCS/MSCS) Transition Program

Students must complete graduate-level coursework taken as part of the BSCS degree with a grade of B or better. This coursework, which counts as electives, will not transfer as graduate-level credit to National University or any other institution as it is part of an undergraduate degree program. Grades earned in graduate level courses will be calculated as part of the student's undergraduate grade point average. Students must be within completing their last six courses in their undergraduate program and have a cumulative GPA of at least a 3.00 to be eligible. Lastly, students must apply for and begin the MSCS program within six months after completing their final BSCS course. Students must complete their MSCS program within four years with no break exceeding 12 months. Students in the BSCS transition program may take up to two MSCS classes as electives during the BSCS. Students may choose from the following courses: SEN 601, SEN 602, DAT 604, CSC606 and CSC607. The number of courses required to earn an MSCS degree for transition program students is reduced from 12 to as few as 10 courses.

Program Learning Outcomes

Upon successful completion of this program, students will be able to:

- Apply mathematical foundations, algorithmic principles, and computer science theory in the modeling, design and optimization of computer-based systems.

- Analyze a problem and design the computing requirements appropriate to its solution.
- Implement and evaluate a computer-based system, process, component, or program to meet objectives.
- Discuss the impact of computing on individuals, organizations, and society, including ethical, legal, security, and global policy issues.
- Use current techniques, skills, and tools necessary for computing practice that supports the recognized need for continual professional development.
- Apply design and development principles in the construction of software systems.
- Function effectively on teams to accomplish a common goal.
- Demonstrate written and oral communication skills expected of a computer science professional.

Degree Requirements

To receive a Bachelor of Science in Computer Science, students must complete at least 180 quarter units to include a minimum of 70.5 units of the University General Education requirements; 76.5 quarter units must be completed at the upper-division level, and 45, including the senior project courses (CSC 480A and CSC 480B), must be taken in residence at National University. In the absence of transfer credit, students may need to take additional general electives to satisfy the total units for the degree. Students should refer to the section on undergraduate admission procedures for specific information on admission and evaluation.

Prerequisites for the Major (12 courses; 48 quarter units)

Students must select two science related courses with labs from Area F of the General Education for a total of 12 quarter units.

Students must select one (1) additional mathematics or science course without duplicating any of the courses in the program. The mathematics course must be beyond pre-calculus and beyond the level of MTH215 (i.e. have MTH215 as a prerequisite). The program lead faculty must approve your course selection.

MTH 215	College Algebra & Trigonometry <i>Prerequisite: Accuplacer test placement evaluation or MTH 12A and MTH 12B</i>
CSC 208	Calculus for Comp. Science I <i>Prerequisite: MTH 215</i>
CSC 209	Calculus for Comp. Science II <i>Prerequisite: CSC 208</i>
CSC 220	Applied Probability & Stats. <i>Prerequisite: MTH 215</i>
CSC 242*	Intro to Programming Concepts <i>Prerequisite: MTH 215</i>
CSC 252*	Programming in C++ <i>Prerequisite: CSC 242</i>
CSC 262*	Programming in JAVA <i>Prerequisite: MTH 215</i>

Requirements for the Major (17 courses; 70.5 quarter units)

CSC 300	Object Oriented Design <i>Prerequisite: CSC 252</i>
CSC 310	Linear Algebra and Matrix Comp <i>Prerequisite: CSC 300</i>
EGR 320	Scientific Problem Solving <i>Prerequisite: CSC 208 or EGR 220</i>
EGR 320L	Scientific Problem Solving-LAB (1.5 quarter units) <i>Prerequisite: EGR 320</i>

CSC 331	Discrete Structures and Logic <i>Prerequisite: CSC 252 and CSC 310</i>
CSC 335	Data Structures and Algorithms <i>Prerequisite: CSC 300 and CSC 331</i>
CSC 338	Algorithm Design <i>Prerequisite: CSC 335</i>
CSC 340	Digital Logic Design <i>Prerequisite: CSC 208 or EGR 220</i>
CSC 340L	Digital Logic Design Lab (1.5 quarter units) <i>Corequisite: CSC 340</i>
CSC 342	Computer Architecture <i>Prerequisite: CSC 340 and CSC 340L</i>
CSC 350	Computer Ethics
CSC 400	OS Theory and Design <i>Prerequisite: CSC 335</i>
CSC 422	Database Design <i>Prerequisite: CSC 300</i>
CSC 430	Programming Languages <i>Prerequisite: CSC 300</i>
CSC 436	Comp. Communication Networks <i>Prerequisite: CSC 335 or CSC 340 and CSC 340L</i>
CSC 480A	Computer Science Project I <i>Prerequisite: Completion of core courses</i>
CSC 480B	Computer Science Project II <i>Prerequisite: CSC 480A</i>

Approved Electives (2 courses; 9 quarter units)

Students must complete two 400 level technical electives, these electives can be taken from the computer science, computer information systems, or information technology management programs without duplicating any of the core courses.

BACHELOR OF SCIENCE IN INFORMATION TECHNOLOGY MANAGEMENT

Faculty Advisor: Debra Bowen; (858) 309-3527; dbowen@nu.edu

CAEL Portfolio

In partnership with the Council on Adult and Experiential Learning (CAEL), National University has developed a portfolio-based system of demonstrating that a student has achieved the course outcomes for University undergraduate courses. Credit may apply towards both the lower division and upper division credit requirements of the University's undergraduate degree programs unless specified otherwise in policy or limited by the state or jurisdiction of a student's residence. In our Portfolio program, students demonstrate that what they already know is equivalent to what they would have learned in an equivalent college course. The program is designed to be as flexible as possible to meet student's needs. Students may have acquired this knowledge through past employment, independent reading and study, training programs or in-service courses, volunteer service, cultural or artistic pursuits, hobbies and recreational pastimes, community or religious activities, organizational memberships, adult education, non-credit courses, study abroad, military training not evaluated for credit by ACE, or other experiences. A portfolio enables students to identify and articulate this knowledge, and potentially earn credit for it. Students learn the process of identifying areas of course-equivalent learning and portfolio development skills through the PRLX2100X course offered through the Division of Extended Learning. The resulting portfolio is submitted for review by Subject Matter Experts for potential award of credit. For further information regarding the Portfolio program, please contact extlearning@nu.edu.

The following courses are prior learning credit eligible:

- ITM 200 Computer Hardware & Software
- ITM 205 Office Productivity Software
- ITM 230 Computer Network Overview
- ITM 325 IT Project Management

GRADUATE DEGREE

Modified Program

MASTER OF SCIENCE IN SUSTAINABILITY MANAGEMENT

Faculty Advisor: Ben Radhakrishnan; (858) 309-3423; bradhakrishnan@nu.edu

This blended program prepares students for the industrial revolution of the 21st century. There is no doubt that we need to re-think our way of living, producing and consuming in order to eliminate the current contradictions between the natural world, the community and the profitability of businesses. In fact, many corporations, cities, states and countries are introducing new policies and programs from an emphasis on pollution control to pollution prevention to sustainable practices. Sustainability in the sense that programs do incorporate all social, ecological and economic conditions, as well as, the general principle of meeting the needs of the present generation without compromising the ability of future generations to meet their own needs.

This program is designed to provide methods and theories appropriate to the study of sustainability from business perspectives to practical engineering. After a comprehensive interdisciplinary introduction to sustainability, students are exposed to managerial key ideas and practices with sustainable perspectives: risk assessment, life cycle, lean supply chain, firm excellence and innovation. Students are also exposed to combine engineering and sustainability concepts into the management practices of energy, environment, watershed and buildings. The strength of the program comes from its engineering and management blended nature, as well as its theoretical and practical approach.

Career Tracks

After completing the MS in Sustainability Management degree, students can enter the job market or pursue further higher educational degrees. Possible types of jobs include: Project Manager, Sustainability Manager, Sustainability Analyst, Sustainable Design Professional, Engineer, Environmental Consultant, Sustainability Consultant, Energy Efficiency Analyst, Operations Manager, Development Specialist, Resource Manager, etc. Students interested in continuing, their educational careers can pursue doctoral degrees in sustainability, management, sustainable development, natural resources and sustainability, or other related doctoral degrees.

UCSD Partnership Eligibility

National University and University of California San Diego Extension have formed a partnership that allows UCSD Extension Sustainable Business Practices Certificate graduates to test out of two classes in National University's MS Sustainability Management program. This agreement is only available to UCSD Extension students who meet the following criteria:

1. A bachelor's degree from an accredited university
2. Complete a college-level statistics class with a grade of C or better
3. Maintain an overall B average in UCSD Extension's sustainability certificate.
4. Complete and submit a copy of the official UCSD Extension Sustainable Business Practices Certificate to National University.

If an UCSD Extension student meets the criteria above, National University will:

1. Provide students with a fee-based exam that will, upon passing with a score of 80% or higher, substitute for SUS 601 Introduction to Sustainability.
2. Provide students with a fee-based exam that will, upon passing with a score of 80% or higher, substitute for SEM 605 Energy Management. For additional information, please contact the Office of Extended Learning (858) 642-8600.

Program Learning Outcomes

Upon successful completion of this program, students will be able to:

- Apply scientific knowledge and methods required to evaluate sustainability concepts and systems.
- Design, manufacture, and manage processes in an environmentally conducive manner.
- Analyze engineering and management problems in their social and environmental context.
- Develop economic, environmental, and social sound sustainable decisions.
- Evaluate the impact of products, processes, and activities through life cycle assessment.
- Develop written communication skills required for this profession.
- Demonstrate professional, legal, and ethical responsibility in decision making practices.

Degree Requirements

To receive a Master of Science in Sustainability Management, students must complete 49.5 quarter units of graduate level credit. A total of 9.0 quarter units of graduate credit may be granted for equivalent graduate work completed at another institution, as it applies to this degree, and provided the units were not used in earning another advanced degree. Students should refer to the section in the graduate admission requirements for specific information regarding application and evaluation.

Program Prerequisites

(1 course; 4.5 quarter units)

Candidates for the program must possess a Bachelor's degree in engineering, engineering technology, sciences, business, management or a closely related area from an accredited university. Interested students from other disciplines may be admitted to the program but may be required to complete additional courses. Non-degree students will not be allowed to enter this program. For those who have a general non-science and non-engineering degree, admission is based on relevant experience and the completion of the following program prerequisite:

MTH 210 Probability and Statistics

Prerequisite: Accuplacer test placement evaluation or MTH 12A and MTH 12B

or

CSC 220* Applied Probability & Stats.

Prerequisite: MTH 215

* This course may be waived if its equivalent has been completed at the undergraduate level with a grade of "C" or better.

Core Requirements

(11 courses; 49.5 quarter units)

SUS 601 Introduction to Sustainability

SUS 602 Enterprise Excellence

Prerequisite: CSC 220 or permission from lead faculty

SUS 603 Sustainable Innovation

SEM 604 Life Cycle and Risk Assessment

SEM 605 Energy Management

SEM 606 Environmental Management

SEM 607 Watershed Management

SEM 608 Sustainable Buildings

SUS 604 Sustainable Supply Chain

SEM 610A Project I

Prerequisite: SEM 606, SEM 607, SEM 604, SEM 605, SEM 608, SUS 604, SUS 602, SUS 603 and SUS 601

SEM 610B Project II

Prerequisite: SEM 610A

Modified Program

MASTER OF SCIENCE INFORMATION TECHNOLOGY MANAGEMENT

Faculty Advisor: Rell Snyder; (714) 429-5282; rsnyder@nu.edu

Students in this program will learn to develop the skills needed to design, build, and manage IT infrastructures, along with career skills such as project management, software design, database management, cyber security administration, problem solving, collaboration, and critical thinking. Combining a rigorous study of protocols and standards along with hands-on learning activities on state of the art devices, students develop both theoretical and practical skills to help them fill the growing need for Information Technology Management professionals around the world.

Program Learning Outcomes

Upon successful completion of this program, students will be able to:

- Create software and IT project plans.
- Analyze project plans using software development life cycle (SDLC) and apply them to software and IT projects.
- Integrate local and remote servers, workstation computers and databases with proper user authentication to preserve user privacy and confidentiality.
- Administer wired and wireless networking environments.
- Design IT infrastructures using concepts of best practices in information technology management and security to enterprise processes.
- Evaluate an integrated system that involves computer applications to satisfy specific business processes.
- Manage IT projects using written and oral communication skills in collaborative environments by participating on teams that address solutions for IT management challenges.

Degree Requirements

To obtain the Master of Science in Information Technology Management, students must complete 54 graduate units. A total of 13.5 quarter units of graduate credit may be granted for equivalent graduate work completed at another regionally accredited institution, as it applies to this degree, and provided the units were not used in earning another advanced degree. Please refer to the graduate admissions requirements for specific information regarding application and evaluation. The degree program consists of ten courses plus a two-part graduate project that cannot be taken until all other core courses have been completed or by approval of the lead faculty.

Requirements for the Major (12 courses; 54 quarter units)

CIS 601	Information Systems Strategies
ITM 605	Advanced IT Project Mgmt
DAT 604	Database Design and Impl.
CIS 602	Network Services & Protocols <i>Prerequisite: CIS 601</i>
ITM 650	Network Infrastructure Mgmt
TMG 620	Principles of Technology Mgmt.
TMG 625	Systems Analysis and Design
TMG 635	Mgmt. of Tech & Innovation
TMG 640	Managing Technology Change
DAT 605	Web and Cloud Computing <i>Prerequisite: DAT 604 or approval of lead faculty</i>
CIS 620A	Master's Research Project I <i>Prerequisite: All core requirements with a GPA of 3.0 approval of lead faculty</i>
CIS 620B	Master's Research Project II <i>Prerequisite: CIS 620A</i>

SCHOOL OF HEALTH AND HUMAN SERVICES

Program Termination

GRADUATE CERTIFICATE IN NURSING ADMINISTRATION

UNDERGRADUATE DEGREE

Modified Programs

BACHELOR OF SCIENCE IN NURSING GENERIC ENTRY (B.S.N.) (CALIFORNIA)

Faculty Advisor: Richard Guertin; (585) 521-3910; rguertin@nu.edu

The Bachelor of Science in Nursing (BSN) program provides the foundation for professional nursing practice as a beginning generalist clinician who provides care to individuals, families, communities and populations. The baccalaureate degree prepares nurses for leadership in providing direct care and collaborating within care teams that work to improve the quality and safety of health care. Graduates are eligible to take the professional licensure exam (NCLEX) to earn a State license to practice as a Registered Nurse (RN).

Program Learning Outcomes

Upon successful completion of this program, students will be able to:

- Develop caring, therapeutic nursing relationships with individuals, families and groups
- Provide safe, high quality, culturally competent, patient-centered nursing care for individuals across the life span in a variety of settings.
- Participate in the continuous improvement of nursing care quality and safety.
- Use nursing judgment to manage, prioritize, and delegate patient care in a variety of health care settings.
- Effectively communicate and collaborate with patients and the interdisciplinary team.
- Demonstrate professional identity by incorporating established standards of practice within the legal and ethical framework of nursing.
- Apply best, current evidence into nursing practice to achieve desired outcomes.

Degree Requirements

To receive a Bachelor of Science in Nursing (BSN), students must complete at least 180 quarter units as articulated below, 45 of which must be completed in residence at National University, 76.5 of which must be completed at the upper-division level, and the University General Education requirements. In the absence of transfer credit, additional general electives may be necessary to satisfy total units for the degree. The following courses are specific degree requirements.

Required General Education Preparation (18 courses; 69 quarter units)

The following areas of General Education must be completed prior to beginning any preparation for the Major or Nursing Major core coursework: Area A1, A2, Area B, Area C, Area E and Area F.

AREA A: ENGLISH COMMUNICATION (10.5 quarter units)

CATEGORY – 1 Writing (6 quarter units)

- | | |
|---------|--|
| ENG 100 | Effective College English I (3 quarter units)
<i>Prerequisite: Satisfactory performance on Accuplacer</i> |
| ENG 101 | Effective College English II (3 quarter units)
<i>Prerequisite: ENG 100</i> |

**CATEGORY 2 - Speech and Communication
(4.5 quarter units)**

COM 103 Public Speaking

**AREA B: MATHEMATICAL CONCEPTS AND QUANTITATIVE REASONING
(4.5 quarter units)**

BST 322 Intro to Biomedical Statistics

**AREA C: INFORMATION LITERACY AND TECHNOLOGY
(4.5 quarter units)**

ILR 260 Information Literacy
Prerequisite: ENG 100 and ENG 101

**AREA D: ARTS, HUMANITIES, AND LANGUAGES
(18 quarter units)**

SPN 340A Spanish for the Work Place

SPN 341 Cross-Cultural Communication

For the remaining 9 units, see the General Education section of the catalog for applicable courses.

**AREA E: SOCIAL AND BEHAVIORAL SCIENCES
(9 quarter units)**

PSY 100 Introduction to Psychology

SOC 100 Principles of Sociology
Prerequisite: ENG 100 and ENG 101

**AREA F: PHYSICAL AND BIOLOGICAL SCIENCES
(18 quarter units)**

BIO 201 Human Anatomy & Physiol I
Recommended: Prior completion of: BIO 100, BIO 100A, CHE 101 and CHE 101A or equivalent courses.

BIO 201A Human Anatomy & Physiol Lab I (1.5 quarter units)
Prerequisite: BIO 201

BIO 202 Human Anatomy & Physiol II
Recommended: Prior completion of: BIO 201, BIO 201A, BIO 100, BIO 100A, CHE 101, and CHE 101A or equivalent courses

BIO 202A Human Anatomy & Physiol Lab II (1.5 quarter units)
Prerequisite: BIO 202

BIO 203 Introductory Microbiology
Recommended: Prior completion of: BIO 201, BIO 201A, BIO 202, BIO 202A, BIO 100, BIO 100A, CHE 101 and CHE 101A or equivalent courses

BIO 203A Introductory Microbiology Lab (1.5 quarter units)
Prerequisite: BIO 203

**AREA A-G: GENERAL EDUCATION
(4.5 quarter units)**

SOC 500 Cultural Pluralism in the USA
Prerequisite: ENG 100 and ENG 101

or

HUB 500 Cross-Cultural Dynamics
Prerequisite: ENG 100, ENG 101 and PSY 100

**Preparation for the Major
(9 courses; 36 quarter units)**

The following areas of General Education must be completed prior to beginning

any preparation for the Major or Nursing Major core coursework: Area A1, A2, Area B, Area C, Area E and Area F.

NSG 403 Nursing Theories and Models

NSG 211T Health Assessment (3 quarter units)
Prerequisite: Admission to nursing program and completion of required general education preparation with a minimum GPA 2.75

NSG 211A Health Assessment Clinical (1.5 quarter units)

NSG 304 Pharmacology in Nursing

NSG 422 Nursing Research
Prerequisite: BST 322

NSG 200 Foundations of Nursing
Prerequisite: "C" or better in NSG 211T and "S" in NSG 211A, Corequisite: NSG 200A

NSG 200A Foundations Clinical Lab
Corequisite: NSG200, Prerequisite: "C" or better in NSG211T and "S" in NSG 211A

NSG 205 Medical-Surgical Nursing I
Prerequisite: NSG 200 and NSG 200A or NSG 204 and NSG 204A

NSG 205A Medical-Surgical I Clinical
Prerequisite: NSG 200 and NSG 200A or NSG 204 and NSG 204A

**Nursing Core Courses
(17 courses; 64.5 quarter units)**

NSG 320** Medical-Surgical Nursing II
Prerequisite: "C" or better in NSG 315 and "S" in NSG 315A

NSG 320A** Medical-Surgical II Clinical
Prerequisite: "C" or better in NSG 315 and "S" in NSG 315A

NSG 314** Child-bearing Family Nursing
Prerequisite: "C" or better in NSG 205 and "S" in NSG 205A

NSG 314A** Child-bearing Family Clinical
Prerequisite: "C" or better in NSG 205 and "S" in NSG 205A

NSG 315** Pediatric Nursing
Prerequisite: NSG 314 and NSG 314A

NSG 315A** Pediatric Nursing Clinical
Prerequisite: NSG 314 and NSG 314A

NSG 325** Psychosocial Nursing
Prerequisite: "C" or better in NSG 320 and "S" in NSG 320A

NSG 325A** Psychosocial Nursing Clinical
Prerequisite: "C" or better in NSG 320 and "S" in NSG 320A

NSG 412 Community Healthcare Delivery
Corequisite: NSG 412A

NSG 412A*** Community Healthcare Delivery (1.5 quarter units)
Corequisite: NSG 412

NSG 411 Community Health Frameworks
Corequisite: NSG411A, Prerequisite: NSG 412

NSG 411A*** Community Health Framework Pra (1.5 quarter units)
Corequisite: NSG 411, Prerequisite: NSG412

NSG 410 Community: Population Focus
Corequisite: NSG410A, Prerequisite: NSG 411

NSG 410A*** Population Focus Practicum (1.5 quarter units)
Corequisite: NSG 410, Prerequisite: NSG411

NSG 340** Nursing Leadership/Management
Prerequisite: "C" or better in NSG 325 and "S" in NSG 325A

NSG 340A** Leadership/Management Clinical (1.5 quarter units)
Prerequisite: "C" or better in NSG 325 and "S" in NSG 325A

NSG 440 Professional Issues in Nursing

** Content required for licensure by CA Board of Registered Nurses

*** This course requires a clinical practicum of 30 hours

BACHELOR OF SCIENCE IN NURSING (B.S.N.) SECOND-BACHELOR DEGREE (CALIFORNIA)

Faculty Advisor: Richard Guertin; (858) 521-3910; rguertin@nu.edu

This program is for individuals with prior earned bachelor's degree (i.e., B.A., B.S.) who wish to be prepared for licensure as a registered nurse while simultaneously earning a Bachelor of Science in Nursing degree.

Program Learning Outcomes

Upon successful completion of this program, students will be able to:

- Develop caring, therapeutic nursing relationships with individuals, families and groups
- Provide safe, high quality, culturally competent, patient-centered nursing care for individuals across the life span in a variety of settings.
- Participate in the continuous improvement of nursing care quality and safety.
- Use nursing judgment to manage, prioritize, and delegate patient care in a variety of health care settings.
- Effectively communicate and collaborate with patients and the interdisciplinary team.
- Demonstrate professional identity by incorporating established standards of practice within the legal and ethical framework of nursing.
- Apply best, current evidence into nursing practice to achieve desired outcomes.

Degree Requirements

To receive a Bachelor of Science in Nursing (BSN), students must complete at least 180 quarter units as articulated below, 45 of which must be completed in residence at National University, 76.5 of which must be completed at the upper-division level, and the University General Education requirements. In the absence of transfer credit, additional general electives may be necessary to satisfy total units for the degree. The following courses are specific degree requirements. Students should refer to the section on undergraduate admission procedures for specific information on admission and evaluation.

Preparation for the Major (19 courses; 72 quarter units)

COM 103 Public Speaking

BST 322 Intro to Biomedical Statistics

PSY 100 Introduction to Psychology

SOC 100 Principles of Sociology
Prerequisite: ENG 100 and ENG 101

BIO 201 Human Anatomy & Physiol I
Recommended: Prior completion of: BIO 100, BIO 100A, CHE 101, and CHE 101A or equivalent courses.

BIO 201A Human Anatomy & Physiol Lab I (1.5 quarter units)
Prerequisite: BIO 201

BIO 202 Human Anatomy & Physiol II
Recommended: Prior completion of: BIO 201 and BIO 201A, BIO 100 and BIO 100A, CHE 101 and CHE 101A or equivalent courses

BIO 202A Human Anatomy & Physiol Lab II (1.5 quarter units)
Prerequisite: BIO 202

BIO 203 Introductory Microbiology
Recommended: Prior completion of: BIO 201 and BIO 201A, BIO 202 and BIO 202A, BIO 100 and BIO 100A, CHE 101 and CHE 101A or equivalent courses

BIO 203A Introductory Microbiology Lab (1.5 quarter units)
Prerequisite: BIO 203

NSG 403 Nursing Theories and Models

NSG 211T** Health Assessment (3 quarter units)
Prerequisite: Admission to nursing program and completion of required general education preparation with a minimum GPA 2.75

NSG 211A** Health Assessment Clinical (1.5 quarter units)

NSG 304 Pharmacology in Nursing

NSG 422 Nursing Research
Prerequisite: BST 322

NSG 200** Foundations of Nursing
Prerequisite: "C" or better in NSG 211T and "S" in NSG 211A, Corequisite: NSG 200A

NSG 200A** Foundations Clinical Lab
Prerequisite: "C" or better in NSG 211T and "S" in NSG 211A, Corequisite: NSG200

NSG 205** Medical-Surgical Nursing I
Prerequisite: NSG 200 and NSG 200A or NSG 204 and NSG 204A

NSG 205A** Medical-Surgical I Clinical
Prerequisite: NSG 200 and NSG 200A or NSG 204 and NSG 204A

** Content required for licensure by CA Board of Registered Nursing

Nursing Core Courses (17 courses; 64.5 quarter units)

NSG 320** Medical-Surgical Nursing II
Prerequisite: "C" or better in NSG 315 and "S" in NSG 315A

NSG 320A** Medical-Surgical II Clinical
Prerequisite: "C" or better in NSG 315 and "S" in NSG 315A

NSG 314** Child-bearing Family Nursing
Prerequisite: "C" or better in NSG 205 and "S" in NSG 205A

NSG 314A** Child-bearing Family Clinical
Prerequisite: "C" or better in NSG 205 and "S" in NSG 205A

NSG 315** Pediatric Nursing
Prerequisite: NSG 314 and NSG 314A

NSG 315A** Pediatric Nursing Clinical
Prerequisite: NSG 314 and NSG 314A

NSG 325** Psychosocial Nursing
Prerequisite: "C" or better in NSG 320 and "S" in NSG 320A

NSG 325A** Psychosocial Nursing Clinical
Prerequisite: "C" or better in NSG 320 and "S" in NSG 320A

NSG 412 Community Healthcare Delivery
Corequisite: NSG 412A

NSG 412A*** Community Healthcare Delivery (1.5 quarter units)
Corequisite: NSG 412

NSG 411 Community Health Frameworks
Corequisite: NSG411A, Prerequisite: NSG 412

NSG 411A*** Community Health Framework Pra (1.5 quarter units)
Corequisite: NSG 411, Prerequisite: NSG412

NSG 410	Community: Population Focus <i>Corequisite: NSG410A, Prerequisite: NSG 411</i>
NSG 410A***	Population Focus Practicum (1.5 quarter units) <i>Corequisite: NSG 410, Prerequisite: NSG411</i>
NSG 340**	Nursing Leadership/Management <i>Prerequisite: "C" or better in NSG 325 and "S" in NSG 325A</i>
NSG 340A**	Leadership/Management Clinical (1.5 quarter units) <i>Prerequisite: "C" or better in NSG 325 and "S" in NSG 325A</i>
NSG 440	Professional Issues in Nursing

** Content required for licensure by CA Board of Registered Nursing

*** This course requires a clinical practicum of 30 hours

LICENSED VOCATIONAL NURSE TO BACHELOR OF SCIENCE IN NURSING (L.V.N.-TO-B.S.N.)(California)

Faculty Advisor: Richard Guertin; (858) 521-3910; rguertin@nu.edu

Departmental Admission Requirements

To be eligible for admission to the LVN-BSN program, candidates must satisfy all of the following criteria:

- Have completed the National University undergraduate admission process
- Hold a current, active license to practice as a licensed vocational nurse in the state of California
- Submit the appropriate Nursing program application
- Attend a Pre-Nursing Program Information Forum
- Complete all prerequisites courses
- Take the Test of Essential Academic Skills
- Complete a proctored written essay
- Submit the appropriate nursing program application

Program Learning Outcomes

Upon successful completion of this program, students will be able to:

- Develop caring, therapeutic nursing relationships with individuals, families and groups
- Provide safe, high quality, culturally competent, patient-centered nursing care for individuals across the life span in a variety of settings.
- Participate in the continuous improvement of nursing care quality and safety.
- Use nursing judgment to manage, prioritize, and delegate patient care in a variety of health care settings.
- Effectively communicate and collaborate with patients and the interdisciplinary team.
- Demonstrate professional identity by incorporating established standards of practice within the legal and ethical framework of nursing.
- Apply best, current evidence into nursing practice to achieve desired outcomes.

Degree Requirements

To receive a Bachelor of Science in Nursing (BSN), students must complete at least 180 quarter units as articulated below, 45 of which must be completed in residence at National University, 76.5 of which must be completed at the upper-division level, and the University General Education requirements. In the absence of transfer credit, additional general electives may be necessary to satisfy total units for the degree. The following courses are specific degree requirements. Students should refer to the section on undergraduate admission procedures for specific information on admission and evaluation. The following courses are specific degree requirements. In the absence of transfer credit, students may take additional general electives to satisfy the total units required for the degree. Students exiting after completing the courses required for licensure by the California Board of Registered Nursing (as designated below) without completing at least 180 quarter units (at National University or through credit transfer) will not be granted the BSN degree.

Required General Education Preparation (18 courses; 69 quarter units)

The following areas of General Education must be completed prior to beginning any preparation for the Major or Nursing Major core coursework: Area A1, A2, B, C, D E and F.

AREA A: ENGLISH COMMUNICATION (10.5 quarter units)

CATEGORY – 1 Writing (6 quarter units)

ENG 100 Effective College English I (3 quarter units)
Prerequisite: Satisfactory performance on Accuplacer

ENG 101 Effective College English II (3 quarter units)
Prerequisite: ENG 100

CATEGORY 2 - Speech and Communication (4.5 quarter units)

COM 103 Public Speaking

AREA B: MATHEMATICAL CONCEPTS AND QUANTITATIVE REASONING (4.5 quarter units)

BST 322 Intro to Biomedical Statistics

AREA C: INFORMATION LITERACY AND TECHNOLOGY (4.5 quarter units)

ILR 260 Information Literacy
Prerequisite: ENG 100 and ENG 101

AREA D: ARTS, HUMANITIES AND LANGUAGES (18 quarter units)

SPN 340A Spanish for the Work Place

SPN 341 Cross-Cultural Communication

For the remaining 9 units, see the General Education section of the catalog for applicable courses.

AREA E: SOCIAL AND BEHAVIORAL SCIENCES (9 quarter units)

PSY 100 Introduction to Psychology

SOC 100 Principles of Sociology
Prerequisite: ENG 100 and ENG 101

AREA F: PHYSICAL AND BIOLOGICAL SCIENCES (18 quarter units)

BIO 201 Human Anatomy & Physiol I
Recommended: Prior completion of: BIO 100, BIO 100A, CHE 101 and CHE 101A or equivalent courses.

BIO 201A Human Anatomy & Physiol Lab I (1.5 quarter units)
Prerequisite: BIO 201

BIO 202 Human Anatomy & Physiol II
Recommended: Prior completion of: BIO 201 and BIO 201A, BIO 100 and BIO 100A, CHE 101 and CHE 101A or equivalent courses

BIO 202A Human Anatomy & Physiol Lab II (1.5 quarter units)
Prerequisite: BIO 202

BIO 203 Introductory Microbiology
Recommended: Prior completion of: BIO 201 and BIO 201A, BIO 202 and BIO 202A, BIO 100 and BIO 100A, CHE 101 and CHE 101A or equivalent courses

BIO 203A Introductory Microbiology Lab (1.5 quarter units)
Prerequisite: BIO 203

AREA A-G: GENERAL EDUCATION (4.5 quarter units)

SOC 500 Cultural Pluralism in the USA
Prerequisite: ENG 100 and ENG 101

or

HUB 500 Cross-Cultural Dynamics
Prerequisite: ENG 100, ENG 101 and PSY 100

Nursing Core Courses (19 courses; 69 quarter units)

NSG 310** Professional Nursing Values

NSG 403 Nursing Theories and Models

NSG 211T** Health Assessment (3 quarter units)
Prerequisite: Admission to nursing program and completion of required general education preparation with a minimum GPA 2.75

NSG 211A** Health Assessment Clinical (1.5 quarter units)

NSG 404 Pharmacology for Nurses

NSG 422 Nursing Research
Prerequisite: BST 322

NSG 320** Medical-Surgical Nursing II
Prerequisite: "C" or better in NSG 315 and "S" in NSG 315A

NSG 320A** Medical-Surgical II Clinical
Prerequisite: "C" or better in NSG 315 and "S" in NSG 315A

NSG 325** Psychosocial Nursing
Prerequisite: "C" or better in NSG 320 and "S" in NSG 320A

NSG 325A** Psychosocial Nursing Clinical
Prerequisite: "C" or better in NSG 320 and "S" in NSG 320A

NSG 412 Community Healthcare Delivery
Corequisite: NSG 412A

NSG 412A*** Community Healthcare Delivery (1.5 quarter units)
Corequisite: NSG 412

NSG 411 Community Health Frameworks
Corequisite: NSG411A, Prerequisite: NSG 412

NSG 411A*** Community Health Framework Prac (1.5 quarter units)
Corequisite: NSG 411, Prerequisite: NSG412

NSG 410 Community: Population Focus
Corequisite: NSG410A, Prerequisite: NSG 411

NSG 410A*** Population Focus Practicum (1.5 quarter units)
Corequisite: NSG 410, Prerequisite: NSG411

NSG 340** Nursing Leadership/Management
Prerequisite: "C" or better in NSG 325 and "S" in NSG 325A

NSG 340A** Leadership/Management Clinical (1.5 quarter units)
Prerequisite: "C" or better in NSG 325 and "S" in NSG 325A

NSG 440 Professional Issues in Nursing

** Content required for licensure by CA Board of Registered Nursing

*** This course requires a clinical practicum of 30 hours

GRADUATE DEGREE

MASTER OF SCIENCE IN HEALTH INFORMATICS

Faculty Advisor: Linda Travis Macomber; (858) 309-3495; lmacomber@nu.edu

As healthcare makes dramatic strides to adopt new information and communication technologies, there is a growing demand for health informatics professionals. This rapidly-developing field is only beginning to unlock the vast promise of using electronic-based information to advance health care and ultimately improve the health of individuals and populations. The MS in Health Informatics is a graduate professional degree designed to enhance the practice of health informatics by preparing students for career growth to mid-level and leadership positions within healthcare organizations, technology, and consulting firms. This program is intended for students interested in the effective use of information technologies and systems to improve the quality, safety, efficiency, and affordability of healthcare.

The MS Health Informatics program leverages the rich collective strengths, synergies, faculty, and resources of National University Center for Technology and Health Sciences and the Schools of Health and Human Services, Engineering and Computing, and Business and Management. Program study includes coursework related to:

- 1) Information Systems** – Leadership and management of healthcare applications; including analysis, design, adoption, and optimization
- 2) Information Technology** – Effective use of database and systems administration, computer networks, security, programming, and wireless devices
- 3) Informatics** – The structured language of healthcare, standards, data structures, health information exchange, decision support, care coordination, consumer health, socio-technical aspects of health computing, human-computer interaction, and evidenced-based practice

Along with a broad understanding of health and human services, technology, information systems, leadership, and the culture of healthcare, students apply health informatics knowledge through experiential learning opportunities with case studies, research, simulations, and a capstone project. Graduates are prepared for various roles related to leveraging technology to enhance the collection, communication, exchange, aggregation, analysis, and use of information across the health care ecosystem.

Program Learning Outcomes

Upon successful completion of this program, students will be able to:

- Evaluate the healthcare delivery system in the US and the impact of social, cultural, political, economic, and environmental factors affecting the management and operation of healthcare organizations.
- Evaluate health data management standards, technologies and methods to improve the quality, efficiency, equity and safety of healthcare practice and organization.
- Develop policies and technologies to protect data integrity and validity, including information privacy and security policies and procedures.
- Develop strategies for improving healthcare delivery and achieving institutional strategic initiatives using information systems and technologies.
- Evaluate leadership principles and practices in health information technology staff development, technology adoption and change management in a healthcare organization.
- Evaluate a healthcare organization's processes and systems to ensure compliance with ethical, legal and regulatory mandates and professional standards of health information technology.
- Apply statistical and research methodologies to implement evidence-based health information technology management practice and healthcare quality improvement.
- Communicate knowledge of health information systems and technology to stakeholders of the healthcare ecosystem.

Degree Requirements

To receive a MS in Health Informatics degree, students must complete at least 54 quarter units of graduate work. A total of 13.5 quarter units of graduate credit may be granted for equivalent graduate work completed at another institution, as

it applies to this degree and provided the units were not used in earning another advanced degree. Refer to the section on graduate admissions requirements for specific information regarding application and evaluation.

Core Requirements (11 courses; 49.5 quarter units)

HCA 600	U.S. Healthcare System
HTM 552	EHR Meaningful Use
CIS 601	Information Systems Strategies
COH 602	Biostatistics <i>Prerequisite: HCA 600</i>
HCA 626	Healthcare Information Systems <i>Prerequisite: HCA 620</i>
HCA 622	Quality Appraisal & Evaluation <i>Prerequisite: HCA 600, HCA 610, HCA 620 and COH 606</i>
COH 611	Public Health Research Methods <i>Prerequisite: COH 602</i>
HTM 660	System Management and Planning
HTM 520	Health Information Exchange
HTM 680	Health Informatics Case Study <i>Prerequisite: HTM 520, HTM 552 and HTM 660</i>
HTM 692	Health Informatics Capstone <i>Prerequisite: HTM 680</i>

Please note that prerequisites for HCA and COH courses are not required for students in the MS Health Informatics program. HTM prerequisites are required.

Program Elective (1 course; 4.5 quarter units)

LED 604	Leading Change and Adaptation
COH 613	Public Health Informatics <i>Prerequisite: COH 606 and COH 612</i>
HCA 663	Healthcare Accounting/Finance <i>Prerequisite: HCA 628</i>
CIS 604	Management and Security <i>Prerequisite: CIS 601</i>
CIS 606	End User Information Systems <i>Prerequisite: CIS 601</i>
HCA 670	Healthcare Leadership <i>Prerequisite: HCA 624</i>
HCA 691	Healthcare Internship <i>Prerequisite: HCA 630, COH 602, HCA 620, HCA 628, HCA 660, HCA 670, and HCA 610, HCA 622, HCA 624, HCA 626, HCA 600, COH 606, COH 611 and HCA 663, permission by instructor</i>

Please note that prerequisites for HCA and COH courses are not required for students in the MS Health Informatics program. HTM prerequisites are required.

MASTER OF SCIENCE IN NURSING

Faculty Advisor: Lara Carver; (702) 541-5322; lcarver@nu.edu

The Master of Science in Nursing (MSN) degree program is for baccalaureate prepared nurses. In keeping with the standards for graduate education for advanced practice nursing delineated by the American Association of Colleges of Nursing in the Essentials of Master's Education for Advanced Practice Nurses, the purpose of the MSN program is to prepare students to assume leadership roles in their particular specialization. Masters level nursing education is the appropriate level of education for nursing professionals who are seeking roles that require

advanced practice skills in order to function as providers and organizers of the health care delivery process.

Admission Requirements

To be eligible for admission to the MSN program at National University, candidates must:

Meet the University requirements for graduate study, listed in the General Catalog under admission requirements

- Hold a BSN degree from a State Board of Nursing approved and accredited school of nursing (State Board of Nursing, and CCNE and/or NLNAC)
- Provide proof of current, active, and unencumbered RN license in the State of residence
- Have completed the following prerequisite courses:
 - » MTH 210 or undergraduate college level course in statistics
 - » NSG 422 or an equivalent undergraduate course in nursing research methodology and application
 - » NSG 412, 411, & 410, or equivalent undergraduate coursework in Community Health Nursing
- Have a cumulative GPA of at least 3.0 on a 4.0 scale. Applicants with a GPA of 2.5- 2.99 will be considered by the MSN admissions committee on a case by case basis.
- Have completed the University Application for Graduate Admissions, including the application fee
- Provide one official transcript from each college or university attended to the Nursing Department
- Have completed the MSN online application
- Have three letters of professional reference
- Provide evidence of current, active professional liability and malpractice insurance coverage throughout the program
- Provide evidence of specified immunizations, a report of a recent physical examination, and current BLS-AED certification

Additional Prerequisite Requirements

Students should be proficient in operating a personal computer, including: demonstrated competency in standard computer operating systems and electronic filing systems, basic keyboarding skills, organizing and sorting electronic documents; demonstrated knowledge of standard computer applications to include Microsoft Word and Excel; familiarity with using internet browsers and standard email systems such as MS Outlook.

Program Learning Outcomes

Upon successful completion of this program, students will be able to:

- Implement appropriate theories, models, frameworks, and concepts from nursing and non-nursing disciplines when designing interventions that influence healthcare outcomes for diverse populations in a variety of settings.
- Collaborate with interdisciplinary teams, to evaluate fiscally appropriate healthcare delivery systems that integrate research and clinical expertise to provide evidence-based, patient-centered care.
- Evaluate economic, policy, environmental, and social forces that impact nursing practice, health care delivery and quality of health care.
- Participate in the analysis, implementation and evaluation of strategies for improving nursing practice through the implementation of health information systems and technologies.
- Demonstrate a professional commitment to creating an environment of lifelong learning for patients, families, communities, and other healthcare practitioners.

Degree Requirements

(18-23 courses; 49.5-82.5 quarter units)

The Master of Science in Nursing requires a minimum of 49.5 graduate quarter units, with 45 of those units completed at National University. A total of 4.5 units of graduate credit may be granted for graduate work completed at another institution as it applies to this program and provided the units were not used to earn

another advanced degree. Refer to the General Catalog section on graduate admission requirements for specific information regarding admission and evaluation.

Prerequisites (8 courses; 27 quarter units)

MTH 210	Probability and Statistics <i>Prerequisite: Accuplacer test placement evaluation or MTH 12A and MTH 12B</i>
NSG 422	Nursing Research <i>Prerequisite: BST 322</i>
NSG 412	Community Healthcare Delivery <i>Corequisite: NSG 412A</i>
NSG 412A	Community Healthcare Delivery (1.5 quarter units) <i>Corequisite: NSG 412</i>
NSG 411	Community Health Frameworks <i>Corequisite: NSG 411A, Prerequisite: NSG 412</i>
NSG 411A	Community Health Framework Prac (1.5 quarter units) <i>Corequisite: NSG 411, Prerequisite: NSG 412</i>
NSG 410	Community: Population Focus <i>Corequisite: NSG 410A, Prerequisite: NSG 411</i>
NSG 410A	Population Focus Practicum (1.5 quarter units) <i>Corequisite: NSG 410, Prerequisite: NSG 411</i>

Core Requirements (6 courses; 27 quarter units)

Students should take all Core Courses before taking Specialization courses.

NSG 600	Advanced Practice Nursing
NSG 620	Theory in Advanced Practice
NSG 623	Biomedical Statistics
NSG 606	Health Policy & Finance
NSG 622	QI & Project Management
NSG 607	EBP for Advanced NSG Practice

Specializations Associated with Master of Science in Nursing

- Family Nurse Practitioner ***Modified***
- Nursing Administration ***Modified***
- Nursing Informatics ***Modified***
- Psychiatric-Mental Health Nurse Practitioner – Lifespan (refer to Catalog 79 for specialization requirements)

Modified

Specialization in Family Nurse Practitioner

Faculty Advisor: Tina Ho; (858) 521-3919; tho@nu.edu

The Family Nurse Practitioner (FNP) specialization will prepare advanced practice nurses to manage the care of individuals and families across the lifespan. The FNP Program is designed for nurses who hold a Baccalaureate Degree in Nursing (BSN) who wish to advance their knowledge, education, and skills to practice in an Advanced Practice role as a FNP. Graduates are eligible to sit for the FNP national certification examinations offered by the American Nurses Credentialing Center (ANCC) or the American Academy of Nurse Practitioners. The Program emphasis is to foster the FNP's abilities to critically think; make differential diagnoses; use evidence-based findings to improve healthcare outcomes; and be accountable for the provision of healthcare to diverse individuals and families in the areas of health promotion, disease prevention, management of acute and chronic health conditions and primary care. The FNP provides clinical management of primary care conditions in a variety of clinics and community-based settings.

Program Learning Outcomes

Upon successful completion of this program, students will be able to:

- Synthesize theoretical and empirical knowledge derived from the physical and behavioral sciences and humanities as a basis for professional advanced clinical nursing practice.
- Devise evidence-based health promotion and disease prevention strategies at the patient, family, organizational, community, and population levels for the purpose of improving healthcare outcomes.
- Utilize current technologies to deliver, enhance, and document care across multiple settings to achieve optimal outcomes.
- Advocate for culturally sensitive health care systems and policies that meet ethical and legal standards as a means to improve outcomes and reduce disparity.
- Model collaboration with interdisciplinary and interdisciplinarian teams in healthcare systems delivering care to complex, multi-need patients, families, and communities.
- Analyze the impact of national and global health policy on the cost, quality, and access to care in diverse patient populations.

Specialization Requirements (12 courses; 55.5 quarter units)

NSG 681	Advanced Physical Assessment (6 quarter units)
NSG 682	Advanced Pathophysiology
NSG 641	Advanced Pharmacology I
NSG 642	Advanced Pharmacology II
FNP 683A	Primary Care of Adult and Aged <i>Corequisite: FNP 683B</i>
FNP 683B	Care of Adult & Aged Practicum <i>Corequisite: FNP 683A</i>
FNP 680	Diversity Issues in APN
FNP 684A	Primary Care-Women & Children <i>Corequisite: FNP 684B</i>
FNP 684B	Women and Children Practicum <i>Corequisite: FNP 684A</i>
FNP 685A	FNP Residency <i>Corequisite: FNP 685B</i>
FNP 685B	FNP Residency Practicum <i>Corequisite: FNP 685A</i>
FNP 689	FNP Capstone

Modified

Specialization in Nursing Administration

Faculty Advisor: Barbara Piper; (858) 309-3469; bpiper@nu.edu

The Master of Science in Nursing, Specialization in Nursing Administration prepares nurse managers who will provide leadership and management services to clinical care organizations. Successful decision-making strategies, evidence-based practice, team building and collaboration, fiscal management, quality improvement, and creating a learning culture that supports high quality and safe patient care are considered within a systems approach to management. The specialization courses offered in the MSN, Specialization in Nursing Administration are designed using the Interprofessional Education Model to develop IPE competencies.

Program Learning Outcomes

Upon successful completion of this program, students will be able to:

- Effectively communicate with members of the multidisciplinary healthcare team in the design and management of healthcare delivery systems.

- Employ best evidence and judgment to make sound and ethical decisions that advance the quality and safety of healthcare and care delivery systems.
- Create and implement a plan for day-to-day operations for a clinical facility in order to maintain accreditation, meet organizational goals, achieve quality and safety outcomes, and carry out the mission of the facility.
- Provide effective, caring, culturally sensitive and fiscally responsible leadership to other members of the healthcare team in order to facilitate excellence in patient care services to diverse patient populations.
- Apply principles of leadership and management to foster an organizational culture that engenders lifelong learning, quality, safety, and competence in a clinical care organization.

Degree Requirements (5 courses; 22.5 quarter units)

Students take the MSN Core courses, then take the Specialization courses. The Capstone course is the final course of the program; all other courses must be taken before the Capstone.

HCA 600 U.S. Healthcare System

HCA 620 Health Organization Management
Prerequisite: COH 602

HCA 624 Healthcare Planning & Marketing
Prerequisite: COH 611

HCA 670 Healthcare Leadership
Prerequisite: HCA 624

HCA 692 Healthcare Capstone
Prerequisite: HCA 691 or permission by instructor

*** **Please note** that HCA and COH prerequisites are NOT required for students in the Specialization in Nursing Administration.

Modified

Specialization in Nursing Informatics

Faculty Advisor: Barbara Piper; (858) 309-3469; bpiper@nu.edu

The Specialization in Nursing Informatics is designed for nurses who seek advanced education in informatics theory and practice. Nurses play an important leadership role in the implementation of health information technology in health care delivery organizations. Potential students include nurses who participate and in some instances lead the successful deployment of health information technologies to achieve improvement in the quality, safety, outcomes and thus value of health services in the United States. The goal is to equip RNs for leadership roles in informatics that includes the information and knowledge management best practices and effective technology capabilities for nurses identified through the Technology Informatics Guiding Education Reform Initiative (<http://www.tiger-summit.com/>).

The Specialty courses offered in the MSN Program of Study in Nursing Informatics are designed using the Interprofessional Education (IPE) Model to develop IPE Competencies.

Program Learning Outcomes

Upon successful completion of this program, students will be able to:

- Collaborate with interprofessional teams to conduct a needs assessment, plan, design, transition to and evaluate information systems and innovative technologies.
- Employ evidenced-based practice resources and references to support the adoption and use of healthcare technologies at the point of care.
- Evaluate ongoing quality and process improvement for patient-centered care systems that optimize clinical workflow, care coordination, and patient outcomes.
- Appraise the healthcare technology environment to ensure compliance with ethical, legal and regulatory mandates and professional standards for advanced practice.

Degree Requirements

The Master of Science in Nursing, Specialization in Nursing Informatics requires a minimum of 49.5 graduate quarter units, with 45 of those completed at National University. A total of 9 units of graduate credit may be granted for graduate work completed at another institution as it applies to this program and provided the units were not used to earn another advanced degree. Refer to the General Catalog section on graduate admission requirements for specific information regarding admission and evaluation.

Specialization in Informatics (5 courses; 22.5 quarter units)

After completion of the MSN core classes, the students will complete the Informatics specialization courses.

HTM 552 EHR Meaningful Use

HTM 660 System Management and Planning

HTM 520 Health Information Exchange

HTM 680 Health Informatics Case Study
Prerequisite: HTM 660, CIS 601, HCA 600, HTM 520, HTM 552, COH 611, HCA 622 and HCA 626

HTM 692 Health Informatics Capstone
Prerequisite: HTM 680, HCA 600, HTM 520, HTM 660, HCA 622, COH 611, HCA 626, HTM 552 and CIS 601

*** **Please note** that CIS, COH, & HCA prerequisites are NOT required for students in the Specialization in Informatics. HTM prerequisites are required.

SCHOOL OF PROFESSIONAL STUDIES

Program Terminations

ASSOCIATE OF SCIENCE IN PROFESSIONAL GOLF MANAGEMENT UNDERGRADUATE CERTIFICATE IN HOSPITALITY AND CASINO MANAGEMENT

UNDERGRADUATE DEGREE

BACHELOR OF ARTS

MAJOR IN FILM ARTS

Faculty Advisor: Brian Arnold; (310) 425-5822; barnold@nu.edu

This Bachelor of Arts in Film Arts prepares graduates for entry-level positions in professional film and media content. Students develop skills and techniques necessary to collaborate with creative partners in writing, production and post-production of visual content for a distributed digital media environment. The curriculum includes the origin and development of contemporary cinematic techniques, creative story development, script and proposal writing, professional digital film-making and post-production techniques, and digital media asset management.

Program Learning Outcomes

Upon successful completion of this program, students will be able to:

- Demonstrate the principles of film by communicating assessments in oral, written or visual modes
- Analyze the communication objectives of media content creators by communicating assessments in oral, written or visual modes.
- Generate coherent pre-production assets usable in the development of narrative media.
- Apply collaborative creative processes to the development of narrative media.
- Utilize storytelling techniques to present a coherent digital media based narrative.

Degree Requirements

To earn a bachelor's degree, students must complete 180 units, 45 of which must be completed at National University, 76.5 units must be at the upper-division level, and a minimum 70.5 units of general education units are required.

Requirements for the Major (17 courses; 76.5 quarter units)

FLM 300	Film Foundations <i>Recommended Preparation: COM 101</i>	ENG 333	Written Business Communication <i>Prerequisite: ENG 100 and ENG 101</i>
FLM 305	Narrative Film History <i>Prerequisite: FLM 300</i>	ENG 401	Fiction Workshop <i>Prerequisite: ENG 301</i>
FLM 310	Cinematography I <i>Prerequisite: FLM 300</i>	MUL 315	Video Game Design <i>Prerequisite: COM 220, ENG 100 with a minimum grade of B and ENG 101 with a minimum grade of B</i>
FLM 320	Screenplay Writing I <i>Prerequisite: FLM 300</i>	MUL 345	Applied Web Design <i>Prerequisite: COM 220, ENG 100 with a minimum grade of B and ENG 101 with a minimum grade of B</i>
FLM 325	Video Editing <i>Prerequisite: FLM 310</i>	MUL 375	3-D Modeling for Game Art <i>Prerequisite: COM 220, ENG 100 with a minimum grade of B and ENG 101 with a minimum grade of B</i>
FLM 330	Producing <i>Prerequisite: FLM 300</i>		
FLM 340	Directing I <i>Prerequisite: FLM 330</i>		
FLM 355	Post-production I <i>Prerequisite: FLM 325</i>		
FLM 370	Screenplay Writing II		
FLM 380	Directing II Cinematography <i>Prerequisite: FLM 340</i>		
FLM 405	Narrative Film Contemporary <i>Prerequisite: FLM 305</i>		
FLM 420	Screenplay Writing III <i>Prerequisite: FLM 370</i>		
FLM 440	Directing III <i>Prerequisite: FLM 380</i>		
FLM 455	Post-production II <i>Prerequisite: FLM 355</i>		
FLM 460	Crowdsource Production Team <i>Prerequisite: FLM 405, FLM 455, FLM 420 and FLM 440</i>		
FLM 480	Capstone I <i>Prerequisite: All courses required in the student's advanced area of study must be completed prior to taking Capstone I</i>		
FLM 490	Capstone II <i>Prerequisite: FLM 480</i>		

Elective (1 course; 4.5 quarter units)

Student select one of the following electives. Other upper division electives can be proposed. Contact lead faculty for more information.

FLM 470	Internship / Elective
ART 329	World Art <i>Prerequisite: ENG 100 and ENG 101</i>
ART 400	Expressive and Integrative Art
COM 385	Interactive Storytelling <i>Prerequisite: ENG 101</i>
COM 394	Strategic Writing <i>Prerequisite: ENG 101</i>

NEW AND MODIFIED COURSES

BIO – BIOLOGY

BIO 406 Cellular Biology

Prerequisite: BIO 161, BIO 162, BIO 163, BIO 169A, CHE 141, CHE 142, CHE 143 and CHE 149A, Corequisite: BIO 406A

Introduction to cellular biology, including fundamentals of cell structure and function, inter- and intracellular communication through signaling and signal transduction, cell growth and energy generation through aerobic respiration and photosynthesis. Examination of cellular events and analysis of specific case studies in cell biology.

BIO 406A Cellular Biology Lab

Prerequisite: BIO 161, BIO 162, BIO 163, BIO 169A, CHE 141, CHE 142, CHE 143 and CHE 149A, Corequisite: BIO 406

This course emphasizes techniques essential to cellular biology, including cell culturing, Western blotting, ELISA, and DNA, RNA, and protein extractions.

BIO 430 Immunology

Prerequisite: BIO 406 and BIO 407

Examination of the structure and function of the immune components, including the complement system, innate and adaptive responses, and immune cell signaling. Analysis of fundamental concepts such as antibodies, antigens, antigen-antibody complexes, allergic reactions, lymphatic and hematopoietic systems, cancer, and autoimmune and immunodeficiency diseases.

BIO 460 Marine Biology

Prerequisite: BIO 161 with a minimum grade of C, BIO 162 with a minimum grade of C and BIO 163 with a minimum grade of C.

Global approach to the science of marine biology. Study of life in the marine environment and the structure and function of various marine ecosystems such as coral reefs, mangroves, and estuaries. Analysis and evaluation of the human impact on ocean ecology.

BIO 461 Marine Biology Field Studies

Recommended Preparation: BIO 162 with a minimum grade of C

Survey of marine habitats for fish species identification and quantification; survey of marine mammal (dolphins and manatees) ecology and behavior; identification of sea turtle species nesting and ecology; assessment of sea grass health and species identification; coral identification and health; ecosystem health and methods of monitoring. Species list composition, biopsying techniques, and basics of biological field work. Taught in a field laboratory in Turneffe Atoll, Belize; requires international travel. Contact instructor for approval and additional requirements.

BIO 470 Bioinformatics

Prerequisite: BIO 161 with a minimum grade of C-, BIO 162 with a minimum grade of C- and BIO 163 with a minimum grade of C-, Corequisite: BIO 470A

Analysis of biotechnology-related information using software tools to store, manipulate, and extract information from protein and nucleic acid sequence data. Topics include genome annotation, gene and protein prediction, sequence alignment, and analysis of aligned sequences in the description of patterns of protein or species relationships and gene expression.

BIO 470A Bioinformatics Lab

Corequisite: BIO 470

Techniques essential to bioinformatics. Topics include practical knowledge of databases, basic commands in Unix and R, sequence alignment and annotation, and gene-expression quantification.

DHH – DEAF AND HARD-OF-HEARING

DHH 692C Internship Support DHH (2.25 quarter units)

Prerequisite: DHH 692B with a minimum grade of S

The purpose of this course is to provide ongoing support for intern candidates who have not completed the Preliminary Education Specialist Credential

Program. Interns who have passed the two initial internship clinical practice courses in Deaf and Hard of Hearing (DHH 692A and DHH 692B), but have remaining credential requirements to complete, must register for DHH 692C Internship Support DHH which provides continuous, targeted support for their internship as required by the Commission on Teacher Credentialing (CTC). This 2 month course will be repeated by individual interns until they have successfully completed all of the credential requirements for the Preliminary Education Specialist Credential with Authorization in Deaf and Hard of Hearing (DHH). All internship clinical practice courses are designed to address CTC standards and requirements for recommendation for the Education Specialist Preliminary Credential and do not earn graduate units towards a graduate degree program. Grading is S/U only.

EGR – ENGINEERING

EGR 240L Electronic Circuits Lab

Prerequisite: EGR 240

This course offers lab experiments for students to implement, test, analyze, simulate and design electronic circuits such as rectifiers, amplifiers etc. using modern simulation and design tools.

EGR 320 Scientific Problem Solving

Prerequisite: CSC 208 or EGR 220

The scientific approach to problem solving through analysis and design are presented using modern computer science and engineering examples. Critical thinking and communication skills will be used to interpret and present results from real-world case studies where computers were used to solve scientific problems.

ENG – ENGLISH

ENG 663 Capstone Project in Rhet Crit

Prerequisite: ENG 656, ENG 657, ENG 655, ENG 668 or ENG 680A (Pictures that Speak)

Writing the Master's thesis or capstone project. Taken as the last course in the M.A. English with an Emphasis in Rhetoric program. Exceptions may be made if within two courses of program completion, with approval of the lead faculty. Students study published models of rhetorical criticism spanning a wide variety of critical objects. They hone critical tools that they in turn apply to a substantial, original project. Working closely with the capstone instructor and peers, students take this project from inception to final form: a work of professional-quality rhetorical criticism. Grading basis is S/U only. Course is eligible for In Progress (IP) grade.

ENG 689 Intro to Grad English Studies

Introduces students to graduate level research practices and methodologies in English Studies. Students gain the grounding and skills required to research and write scholarly articles for peer reviewed journals in the field of English Studies.

FLM – FILM

FLM 205 Film History II

An exploration of cinematic history that begins with the first films that included sound ("talkies") and ends with contemporary cinema. Topics include the inclusion of sound, film as propaganda, technical advancements (CGI, 3D, aspect ratio, color, and colorization), blockbusters, and the rise of independent film.

FLM 300 Film Foundations

Recommended Preparation: COM 101

Explores the requirements, expectations, roles, and mindsets necessary for professional crew and talent collaborations. Emphasizes asset management, teamwork, and communication skills through hands-on visual storytelling projects. Students are introduced to the project archival strategies and capstone expectations will be predicted. The value of pitching, preproduction and externalizing intangibles is reinforced. Student's products include movie reviews and short animatics.

FLM 305 Narrative Film History

Prerequisite: FLM 300

Analysis of film history through the lens of choices, this course examines the evolving language of film, pioneers of cinema, and narrative genre. The technical, creative, and cultural aspects of film and filmmaking are explored from film's inception through the rise of television.

FLM 310 Sound Editing

Prerequisite: FLM 300

Introduces students to the logistics and professional techniques utilized in digital audio recording and sound editing. It includes exploration of sound department roles, hardware selection and placement, audio mixing, recording dialog, ambient sound, environmental effects, sound asset management and, integration of assets during postproduction. Student's products include edited audio clips.

FLM 320 Screenplay Writing I

Prerequisite: FLM 300

Introduces students to the basics of screenwriting format and structure with an emphasis on conveying emotional impact. Students will pitch and write a short subject script and generate a basic shot list. Student's products include short scripts.

FLM 325 Video Editing

Prerequisite: FLM 310

Begins with an overview of the basics of timeline editing before exploring the concepts of linear and nonlinear styles. Students review the fundamentals of digital media management and the imaging used in both digital photography and digital video. Best practices for setup, workspace, media capture, transmedia, and shot coverage are reviewed. Postproduction workflow is explored. Student's products include edited short content.

FLM 330 Producing

Prerequisite: FLM 300

Explores entertainment business and culture, discussing industry norms and practices. Emphasis is placed on comprehension of transmedia marketing, resource management, and interpersonal skills. Discussions cover the responsibilities of a producer or production company for the production and distribution of digital media projects. Includes scheduling and budgeting considerations. Student's products include a production budget.

FLM 340 Directing I

Prerequisite: FLM 330

Covers the application of directorial concepts used in the production of fiction and nonfiction media content. This course includes defining directorial vision, communicating with actors and crew, managing expectations, and defining the director's role in preproduction/post-production activities. Students will discuss and execute previsualization techniques. Student's products include a potentially episodic short clip.

FLM 355 Post-Production I

Prerequisite: FLM 325

Covers application of editorial principles used in editing nonfiction and fictional media. Course content includes montage, continuity, and parallel editing, rhythm and pacing, non-linear digital media management, transmedia considerations, and exporting content to a variety of distribution platforms. Students edit a short film.

FLM 370 Screenplay Writing II

Builds upon the foundations of Screenplay Writing I to include a deeper understanding of narrative structure and a focus on character and dialog, and their application to a narrative Web series. Assignments include scene-writing exercises, character bios and story outlines. Students pitch and generate preproduction assets for a Web series. Student's products include a short script.

FLM 380 Directing II Cinematography

Prerequisite: FLM 340

Builds on the concepts and skills established in FLM 340 by exploring directing through the lens of the cinematographer and the art director. Students study the roles of the art department, production design, set design, and art design.

Principles of dynamic contrast, color, lighting, and camera angles that complement the narrative are also covered. Student's products include a potentially episodic short clip.

FLM 405 Narrative Film Contemporary

Prerequisite: FLM 305

Analysis of contemporary narrative media through the lens of creating emotional impact, this course examines the evolving language of film, pioneers of cinema, and narrative genre. The technical, creative, and cultural aspects of film and filmmaking are explored from rise of television through present day. Student's products include written critique.

FLM 420 Screenplay Writing III

Prerequisite: FLM 370

Students build upon foundational work of previous screenwriting classes and write the first draft script of either a short film or three episodes of a Web series in preparation for possible capstone inclusion. Students pitch and generate pre-production assets for their chosen project subject to instructor approval. Student's products include a short script.

FLM 440 Directing III

Prerequisite: FLM 380

Builds on the concepts and skills established in FLM 380 by analyzing the role of the director in light of their leadership responsibilities. This course looks at the director as supervisor, counselor, and manager of talent and crew. Director as outward facing spokesperson of a project are examined in light of their benefits and consequences. Students analyze case studies and role play the director's responsibilities. Student's products include a potentially episodic short clip.

FLM 455 Post-Production II

Prerequisite: FLM 355

Builds on the skills emphasized in Post Production I (See FLM 355) and applies them to student-generated footage. Students edit together sample demo reel as rehearsal for Capstone I and II. Students edit a short film.

FLM 460 Crowdsource Production Team

Prerequisite: FLM 405, FLM 420, FLM 440 and FLM 455

This distance-work-group course serves as the hub of a crowdsourced production team comprised of students from remote locations assuming diverse and distinct crew roles. A single short film will be pitched, shot, edited and presented as a class. Crew may be enlisted from outside the course subject to instructor approval.

FLM 470 Screenplay Writing III

Prerequisite: FLM 335 with a minimum grade of C

Expands upon Screenwriting II to include a deeper understanding of structure, character and dialog. Assignments include student self-assessment of creative work, revising the step outline after consultation with the professor and writing the first act of a feature-length screenplay.

FLM 480 Capstone I

Prerequisite: All courses required in the student's advanced area of study must be completed prior to taking Capstone I

In this two-month course students pitch their capstone goals before completing preproduction, production or outline phases of portfolio projects for Capstone II. These projects should be based on their professional career goals in the media content creation disciplines. Working closely with an instructor, students revise existing or produce new works while reflecting on their experience in the program. Students choosing to emphasize writing may elect to create a show bible for a Web series during Capstone I and II. Students products include a rough capstone portfolio.

FLM 490 Capstone II

Prerequisite: FLM 480

In this two-month course students polish a portfolio of work based on their professional career goals in the media content creation disciplines. Emphasis is placed on professional assets such as web presence, networking and interviewing skills. Final capstone portfolios should be suitable for submission to a potential employer for entry-level employment positions or above. The course concludes with recorded final student presentations and mock interviews. Student's products include a polished portfolio.

FNP – FAMILY NURSE PRACTITIONER

FNP 680 Diversity Issues in APN

Provides a knowledge base for applying, analyzing and evaluating the culturally competent provision of patient-centered care. Diversity in the global healthcare delivery systems is addressed. Allows the graduate nursing students to explore various models and theories which guide the development of culturally competent nursing practice.

FNP 683A Primary Care of Adult and Aged

Corequisite: FNP 683B

Development of clinical decision-making skills. Focus is the delivery of comprehensive health care, including health promotion, health maintenance, and the diagnosis and treatment of common acute and chronic illnesses. Assigned readings, lectures, class discussion, and case studies are used as well as supervised practicum in multicultural practice settings. FNP 683A and FNP 683B must be taken concurrently and both completed satisfactorily to progress.

FNP 683B Care of Adult & Aged Practicum

Corequisite: FNP 683A

Application of theoretical knowledge in supervised clinical settings in the practice of caring for the adult and aged. The role of the family nurse practitioner in health promotion and disease prevention is emphasized. FNP 683A and FNP 683B must be taken concurrently and both completed satisfactorily to progress.

FNP 684A Primary Care – Women & Children

Corequisite: FNP 684B

Focus on methods of health promotion/disease prevention, and assessment and management of common health problems in infants, toddlers, school age children, adolescents, and women from menarche through to the climacteric. FNP 684A and FNP 684B must be taken concurrently and both completed satisfactorily to progress.

FNP 684B Women and Children Practicum

Corequisite: FNP 684A

Application of theoretical knowledge in supervised clinical settings in the practice of caring for women and children. The role of the Family Nurse Practitioner in health promotion and disease prevention is emphasized. FNP 684A and 684B must be taken concurrently and both completed satisfactorily to progress.

FNP 685A FNP Residency

Corequisite: FNP 685B

Prepare students to perform the advanced practice roles of manager, clinician, educator, researcher and consultant in the provision of primary care services across the lifespan to under-served populations. FNP 685A and FNP 685B must be taken concurrently and both completed satisfactorily to progress.

FNP 685B FNP Residency Practicum

Corequisite: FNP 685A

Concentrated residency experience in which the student will critically and accurately assess, plan intervene and evaluate nursing experiences related to the care of individuals, aggregates, and nursing systems. FNP 685A and FNP 685B must be taken concurrently and both completed satisfactorily to progress.

FNP 689 FNP Capstone

Students demonstrate integration of knowledge from the core, core clinical, and clinical coursework in the MSN-FNP Program. The compilation and interpretation of information from previous courses is demonstrated in a scholarly paper and successfully passing an exam which mirrors the national board certification examination for Family Nurse Practitioners.

ITM – INFORMATION TECHNOLOGY MANAGEMENT

ITM 650 Network Infrastructure Mgmt

This course is designed to provide classroom and laboratory experience in current and emerging networking technology. This course introduces the architecture, structure, functions, components, and models of the Internet and other computer networks. It uses the OSI and TCP layered models to examine the nature and roles of protocols and services at the application, transport, network,

data link, and physical layers. Lab assignments use a “model Internet” to allow students to analyze real data without affecting an actual production network. Packet Tracer (PT) activities help students to analyze protocol and network operation and build small networks in a simulated environment. At the end of the course, students build LAN topologies by applying principles of cabling; performing configurations of network devices, including routers and switches; and implementing IP addressing schemes.

LAD – LANGUAGE & ACADEMIC DEVELOPMENT

LAD 692C Internship Support LAD (2.25 quarter units)

Prerequisite: LAD 692B with a minimum grade of S

The purpose of this course is to provide ongoing support for intern candidates who have not completed the Preliminary Education Specialist Credential Program. Interns who have passed the two initial internship clinical practice courses in Language and Academic Development (LAD 692A and LAD 692B), but have remaining credential requirements to complete, must register for LAD 692C Internship Support LAD which provides continuous, targeted support for their internship as required by the Commission on Teacher Credentialing (CTC). This 2 month course will be repeated by individual interns until they have successfully completed all of the credential requirements for the Preliminary Education Specialist Credential with Authorization in Language and Academic Development (LAD). All internship clinical practice courses are designed to address CTC standards and requirements for recommendation for the Education Specialist Preliminary Credential and do not earn graduate units towards a graduate degree program. Grading is S/U only.

MTH – MATHEMATICS

MTH 210 Probability and Statistics

Prerequisite: Accuplacer test placement evaluation or MTH 12A and MTH 12B

An introduction to statistics and probability theory. Covers simple probability distributions, conditional probability (Bayes Rule), independence, expected value, binomial distributions, the Central Limit Theorem, hypothesis testing. Assignments may utilize the MiniTab software, or text-accompanying courseware. Computers are available at the University’s computer lab. Calculator with statistical functions is required.

NSG – NURSING

NSG 410 Community: Population Focus

Prerequisite: NSG 411, Corequisite: NSG 410A

A study of community health nursing concepts as they apply to the health of individuals. Explores the nursing care of individuals in the community using primary, secondary and tertiary models of therapeutic intervention. This course includes a required clinical practicum.

NSG 410A Population Focus Practicum

Prerequisite: NSG411, Corequisite: NSG 410

This course is part three of a series of three courses for community health nursing practicum. The community/public health clinical practicum experience focuses on nursing’s role in promoting and protecting the health of populations in accordance with The American Nurses Association Scope and Standards of Public Health Nursing Practice (2007). Theories, principles, and strategies of population-based health care are used to design, implement, and evaluate services and plans of care to promote, maintain, and restore health in a defined population. Students focus on population aggregates in structured or unstructured settings across care environments. Strategies to evaluate health outcomes and costs of care are emphasized. Completion of this course partially fulfills the California Board of Nursing requirements for certification as a Public Health Nurse (Business and Professions Code of California, Section 2816-2819), which requires completion of a minimum of 90 community health clinical hours. Grading is satisfactory (S) or unsatisfactory (U) only. Students must be enrolled concurrently in Nursing 410, Community Health, Population Focus.

NSG 411 Community Health Frameworks

Prerequisite: NSG 412, Corequisite: NSG 411A

A study of providing nursing care to families in the community using community health nursing concepts. Explores nursing care using primary, secondary and tertiary models of intervention. This course includes a required clinical practicum.

NSG 411A Community Health Framework Prac

Prerequisite: NSG412, Corequisite: NSG 411

This course is part two of a series of three courses for community health nursing practicum. The student will focus on various theories, models and frameworks that are utilized in designing, planning and implementing health promotion within the community and population. This course will explore key issues related to public and global health relevant to professional nursing practice. Through the use of epidemiology methods, students will track the natural history of a disease and identify its frequency, distribution, and cause. The community/public health clinical practicum experience focuses on nursing's role in promoting and protecting the health of populations in accordance with The American Nurses Association Scope and Standards of Public Health Nursing Practice (2007). Completion of this course partially fulfills the California Board of Nursing requirements for certification as a Public Health Nurse (Business and Professions Code of California, Section 2816-2819). Grading is satisfactory (S) or unsatisfactory (U) only. Students must be enrolled concurrently in Nursing 411, Community Health Framework.

NSG 412 Community Healthcare Delivery

Corequisite: NSG 412A

A study of community health nursing concepts as they apply to the health of groups and the community at large. Explores nursing care using primary, secondary and tertiary models of intervention. This course includes a required clinical practicum.

NSG 412A Community Healthcare Delivery

Corequisite: NSG 412

This course is part one of a series of three courses for community health nursing practicum. The community/public health clinical practicum experience focuses on nursing's role in promoting and protecting the health of populations in accordance with The American Nurses Association Scope and Standards of Public Health Nursing Practice (2007). This course will examine the role of nursing in community-based and community oriented practice and create conditions that promote healthy living. Theories of community-based and community-oriented nursing practice will be explored in the provision of acute and chronic nursing care to individuals and families that enhances their capacity for self-care and promote autonomy in decision-making. Students practice community assessment, development of partnerships with clients and an appreciation of the values of the community. Completion of this course partially fulfills the California Board of Nursing requirements for certification as a Public Health Nurse (Business and Professions Code of California, Section 2816-2819). Grading is Satisfactory (S) or Unsatisfactory (U) only. Students must be enrolled concurrently in Nursing 412, Community Health Care Delivery.

SEM X – SUSTAINABILITY MANAGEMENT (EXTENDED LEARNING)

SEM X 6005X Energy Management

Prerequisite: Maintain an overall B average in UCSD Extension's sustainability certificate. A bachelor's degree from an accredited university. Successfully completed a college-level statistics class. Complete and submit a copy of official certificate and transcript to National University.

This proficiency exam is specifically for UCSD Extension students who have completed their Sustainability Business Practices certification with an overall grade of B or higher. If successfully completed, this exam will serve as a course substitution for SEM 605, Energy Management, in the Master of Science Sustainability Management program at National University.

SPD – SPECIAL EDUCATION

SPD 692C Internship Support (2.25 quarter units)

Prerequisite: SPD 692B with a minimum grade of S

The purpose of this course is to provide ongoing support for intern candidates who have not completed the Preliminary Education Specialist Credential Program. Interns who have passed the two initial internship clinical practice courses in Mild/Moderate (SPD 692A and SPD 692B), but have remaining credential requirements to complete, must register for SPD 692C Internship Support M/M which provides continuous, targeted support for their internship as required by the Commission on Teacher Credentialing (CTC). This 2 month course will be repeated by individual interns until they have successfully completed all of the credential requirements for the Preliminary Education Specialist Credential with Authorization in Mild/Moderate. All internship clinical practice courses are designed to address CTC standards and requirements for recommendation for the Education Specialist Preliminary Credential and do not earn graduate units towards a graduate degree program. Grading is S/U only.

SPD 694C Internship Support M/S

Prerequisite: SPD 694B with a minimum grade of S

The purpose of this course is to provide ongoing support for intern candidates who have not completed the Preliminary Education Specialist Credential Program. Interns who have passed the two initial internship clinical practice courses in Moderate/Severe (SPD 694A and SPD 694B), but have remaining credential requirements to complete, must register for SPD 694C Internship Support M/S which provides continuous, targeted support for their internship as required by the Commission on Teacher Credentialing (CTC). This 2 month course will be repeated by individual interns until they have successfully completed all of the credential requirements for the Preliminary Education Specialist Credential with Authorization in Moderate/Severe. All internship clinical practice courses are designed to address CTC standards and requirements for recommendation for the Education Specialist Preliminary Credential and do not earn graduate units towards a graduate degree program. Grading is S/U only.

SUS X – SUSTAINABILITY MANAGEMENT BUSINESS (EXTENDED LEARNING)

SUS X 6001X Introduction to Sustainability

Prerequisite: Maintain an overall B average in UCSD Extension's sustainability certificate. A bachelor's degree from an accredited university. Successfully completed a college-level statistics class. Complete and submit a copy of official certificate and transcript to National University.

This proficiency exam is specifically for UCSD Extension students who have completed their Sustainability Business Practices certification with an overall grade of B or higher. If successfully completed, this exam will serve as a course substitution for SUS 601, Introduction to Sustainability, in the Master of Science Sustainability Management program at National University.

TED – TEACHER EDUCATION

TED 628C Clinical Practice III (2.25 quarter units)

Prerequisite: TED 628A, TED 628B, TED 631A and TED 631B

The purpose of this course is to provide ongoing support for intern candidates who have not completed the Preliminary Multiple or Single Subject Teaching Credential. The course is designed to meet the Commission on Teacher Credentialing's requirement for 'continuous support and supervision'. This is a two-month course and will be repeated by individual interns until they have successfully completed all credential requirements needed to earn the preliminary teaching credential. Does not grant graduate units towards graduate degree. This course can be repeated up to 8 times. Grading is S/U only.