



College of Letters and Sciences

Course Description

GLS 310 Global Communications

Prerequisite: ENG 240

Analyzes the history, growth, and future development of global communications and information systems. Examines the technological, social, political and economic forces impacting the development and spread of electronic communications and information technology in local, regional and global contexts around the world.

Course Title Correction

COM 103 Public Speaking instead of COM 103 Oral Communication on page 83 and 304

Program Fee Correction

■ MASTER OF FINE ARTS IN DIGITAL CINEMA

Fees

MDC 688 Course Fee.....	\$1,200
MDC 689 Course Fee	\$550

Programs Available Online

■ MASTER OF ARTS IN FILM STUDIES

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■ MASTER OF CRIMINAL JUSTICE

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Faculty Corrections

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School of Business and Management

Programs Available Online

■ ASSOCIATE OF ARTS WITH MAJOR IN HOSPITALITY AND CUSTOMER SERVICE

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School of Education

Faculty Corrections

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DEPARTMENT OF SPECIAL EDUCATION

EARLY CHILDHOOD SPECIAL EDUCATION ADD-ON AUTHORIZATION

Faculty Advisor: Katie Klinger; (619) 990-6818; kklinger@nu.edu

This Early Childhood Special Education Add-On Authorization is designed for individuals holding a Clear (Level II) Education Specialist Credential in Mild/Moderate or Moderate/Severe disabilities. Completion of the Add-On Authorization extends special education teaching authorization from birth to Pre-K. It may also be added to Clear Credentials in Deaf and Hard-of-Hearing, Physical Impairments, and Visual Impairments. In addition, persons with Learning Handicapped or Severely Handicapped credentials may add this Add-On authorization. It is expected that the candidate has experience and access to early childhood special education programs serving young children with disabilities, birth to five, during the program. Professionals in other fields, such as social work, nursing, behavioral intervention, and child development may also complete the course work for professional development units.

Note: SPD 678 ECSE Field Experience must be taken as the last course in the program. After successfully completing coursework and the ECSE Exit Exam candidates must meet with a Credential Program Specialist to complete and submit to the Commission on Teacher Credentialing application for the Add-On Authorization.

To receive the Early Childhood Special Education Add-On Authorization candidates are required to successfully complete all course work including field experiences and pass the ECSE Program Exit Exam.

Authorization Requirements

(4 courses; 18 quarter units)

SPD 672	Intro to ECSE
SPD 674	Collaborative Partners
SPD 676	ECSE Assessment & Intervention
SPD 678	ECSE Field Experience
<i>Prerequisites: SPD 672, SPD 674, SPD 676</i>	

School of Engineering, Technology, and Media

DEPARTMENT OF APPLIED ENGINEERING

Corrected Program Description

■ BACHELOR OF SCIENCE

MAJOR IN CONSTRUCTION

MANAGEMENT

Faculty Advisor: Shekar Viswanathan; (858) 309-3416; soiswana@nu.edu

This program fills a pressing need in the construction industry for individuals to conduct and manage activities within the construction industry. It has been developed with significant industry guidance and assistance. The Industry experts are aware that there has been substantial growth in this industry, causing a shortage of individuals with the proper training due to a lack of alignment of academic programs and industry needs. The purpose of the Bachelor of Science in Construction Management program is to provide students with a well-rounded education in written and verbal communication, technical construction fundamentals, mathematics, business, law, humanities, fine arts, and social, behavioral and natural sciences that will prepare them for a career at management, administrative, and ownership positions in the construction industry.

This degree program will prepare the student for careers such as construction executive, project manager, project engineer/coordinator, field engineer, planning/scheduling engineer, cost engineer, cost estimator, quality and safety controller, construction superintendent, CAD drafter, and facilities engineer. Additionally, graduates with experience, interest, and/or knowledge about specific construction trades will be capable of performing in a large number of management and administrative positions within respective subcontracting companies, including trades such as carpentry, excavation, concrete work, plumbing, structural steel, cabinetry, roofing, insulation, drywall, electrical, HVAC, and landscaping.

Program Learning Outcomes

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

- Effectively communicate through written, verbal, and graphical media.
- Demonstrate knowledge of engineering science and mathematics and its application in problem solving.
- Analyze structural system.
- Recognize ethical issues and apply professional standards in decision-making.
- Utilize appropriate computer tools for engineering problems.
- Apply modern methods for surveying and metrics.
- Exhibit a fundamental understanding of building mechanical and electrical systems.
- Demonstrate cost estimating and scheduling techniques.
- Integrate and apply field inspection techniques and safety standards.
- Apply the principles of project management and control.
- Apply construction accounting principles and analyze financial reports.
- Demonstrate knowledge of the legal aspects of construction contracting.
- Assess conflict and identify resolution strategies.
- Work effectively in a team environment.

Degree Requirements

To receive a Bachelor of Science in Construction Management, students must complete at least 180 units as articulated below, 76.5 of which must be completed at the upper-division level and 45 of which must be completed in residence at National University. All Bachelor degree students must complete the university general education. The following courses are specific degree requirements. In the absence of transfer credit, students may need to take additional general electives to satisfy

the total units for the degree. Students are expected to possess or have access to a computer and Internet connection including an e-mail account outside of National University for course projects and assignments. Refer to the section on undergraduate admission procedures for specific information regarding application and evaluation.

Preparation for the Major

(14 courses; 60 quarter units)

COM 103*	Public Speaking
MTH 210*	Probability and Statistics <i>Prerequisite: Placement evaluation</i>
or	
CSC 220	Applied Probability & Stats. <i>Prerequisite: MTH 215</i>
ILR 260*	Information Literacy <i>Prerequisite: ENG 100, and ENG 101</i>
ECO 204*	Principles of Macroeconomics
ECO 203*	Principles of Microeconomics
PSY 100*	Introduction to Psychology
PHS 104*	Introductory Physics <i>Prerequisite: 2 years of high school algebra, and MTH 204, or MTH 215, or MTH 216A, and MTH 216B</i>
PHS 104A*	Introductory Physics Lab (1.5 quarter units) <i>Prerequisite: PHS 104, or PHS 171 for science majors</i>
ACC 201	Financial Accounting Funds.
CIS 425	Programming for IT Environment
EGR 220	Engineering Mathematics <i>Prerequisite: MTH 215</i>
EGR 225	Statics & Strength of Material <i>Prerequisite: EGR 220</i>
EGR 230	Electrical Circuits & Systems <i>Prerequisite: MTH 215</i>
EGR 219	Intro to Graphics and Auto CAD <i>Prerequisite: MTH 215</i>

* May be used to satisfy a general education requirement.

Requirements for the Major

(18 courses; 81 quarter units)

ENG 334A	Technical Writing <i>Prerequisite: ENG 100, and ENG 101</i>
HUB 401	Conflict Resolution <i>Prerequisite: ENG 100, ENG 101, and PSY 100</i>
MGT 309C	Prin. of Mgmt & Organizations
EGR 307	Introduction to Engineering
EGR 310	Engineering Economics <i>Prerequisite: MTH 215</i>
EGR 316	Legal Aspects of Engineering
DEN 408	Computer Aided Engineering I <i>Prerequisite: EGR 219</i>
CEN 320	Surveying, Metrics and GIS <i>Prerequisite: EGR 219</i>
CEN 323	Structural Analysis <i>Prerequisite: EGR 220, and EGR 225</i>
CEN 410	Constr Materials and Methods <i>Prerequisite: MTH 215</i>
CEN 413	Plans and Specifications <i>Prerequisite: EGR 219</i>
CEN 416	Mech and Electrical Systems <i>Prerequisite: MTH 215</i>
CEN 419	Est., Scheduling and Control <i>Prerequisite: CEN 410</i>
CEN 420	Est., Scheduling & Control II <i>Prerequisite: CEN 419</i>
CEN 421	Constr, Acct, Finance and Law <i>Prerequisite: ACC 201</i>
CEN 422	Field Inspection and Safety <i>Prerequisite: CEN 410</i>
CEN 425	Design & Const Process Integra
EGR 440	Project Management Fundamental <i>Prerequisite: EGR 307</i>

ENGINEERING SENIOR PROJECT

(2 courses; 9 quarter units)

- EGR 486A Engineering Senior Project I
Prerequisite: Satisfactory completion of 10 BSCET or BSDET core courses.
- EGR 486B Engineering Senior Project II
Prerequisite: EGR 486A

School of Health and Human Services

Programs available online

■ MASTER OF SCIENCE IN HEALTH INFORMATICS

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■ MASTER OF SCIENCE IN NURSING WITH SPECIALIZATION IN NURSING INFORMATICS

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Faculty Correction
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The University of Values

 Entire program can be completed online.
 On-site program with possible online courses or prerequisites.
 Online program with residency in Los Angeles.
Not all courses or programs are available at every campus.a
Consult an admissions advisor for online course availability.