

THE UNLV CAMPUS

The University of Nevada, Las Vegas is committed to academic excellence in each of its more than 220 undergraduate and graduate programs. Following a decade of unprecedented growth in enrollment and facilities, the campus is now focusing its resources on those qualities which make this university great – its academic offerings, faculty, staff, and students.

The university's commitment to learning is reflected in the general education core required of every student. The core provides a solid background in the humanities, fine arts, mathematics, science, English, and social sciences. The core curriculum's purpose is to broaden the knowledge of all students, regardless of major.

More than 28,000 students attend classes at UNLV's 335-acre campus, located in one of the nation's fastest-growing cities. While most students are Nevada residents, a mixture of international and out-of-state students add to the cosmopolitan quality of the campus.

Residence halls on the UNLV campus are home to more than 2,000 students. Each double-room arrangement shares a full bathroom. The complex is complete with meeting rooms, recreational facilities, mail services, fitness rooms, and computer labs.

All academic programs at UNLV are fully accredited by the Northwest Association of Schools and Colleges. The Construction Management Program is also accredited by the American Council for Construction Education.

EXTRACURRICULAR ACTIVITIES

An extension of the Howard R. Hughes College of Engineering is our student organizations. We are happy to celebrate the success of our award-winning chapters. We offer college-level and department student organizations. College-wide organizations like the Society of Women Engineers, Engineers without Borders, Society of Professional Hispanic Engineers, National Society of Professional Engineers, and the National Society of Black Engineers are examples of the active organizations within the college.

CAREER OPPORTUNITIES

Our program is located in one of the strongest construction markets in the United States. In Clark County, Nevada in 2004, construction employed 106,000 people and grew by 12.9 percent. This local industry is second only to gaming and hospitality. According to a 2004 report, *Impact of a Growth Interruption in Southern Nevada*, prepared for the Southern Nevada Water Authority, construction was a \$3.4 billion industry in Nevada. Today, with projects like the \$9 billion CityCenter project, construction is an even more important part of Southern Nevada's economy. The construction management program is crucial to the construction industry and the economic growth of Southern Nevada.



CONTACT INFORMATION

University of Nevada, Las Vegas
Howard R. Hughes College of Engineering
Construction Management Program
4505 Maryland Parkway – Box 454005
Las Vegas, NV 89154-4005
Phone (702) 895-1461
cem.egr.unlv.edu

Construction management involves the planning, engineering, performance, and management of the construction process. The construction engineering and management program covers the construction of all types of engineered facilities including residential and commercial buildings, bridges, highways, power plants, water and waste water treatment facilities, and other public works essential to the quality of life of an industrial society.

about

The construction management program serves the educational, research, and service needs of the construction industry by focusing on a blend of topics related to both the engineering and management sides of construction. It is the mission of the program to produce quality construction management graduates with technical and management skills that meet or exceed the expectations of industry, government, and graduate programs. The goals of the program's accredited baccalaureate program are to prepare graduates for a lifelong professional career in the construction industry, meet the educational requirements for professional certification, and to provide graduates with solid academic preparation for graduate study.



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HOWARD R. HUGHES COLLEGE OF ENGINEERING

CONSTRUCTION MANAGEMENT PROGRAM



UNLV
UNIVERSITY OF NEVADA LAS VEGAS



High School Preparation

Admission requirements to the construction management bachelor of science program include UNLV admission. Regular admission requires graduation from an accredited high school with a minimum grade point average of 3.00 on a 4.00 scale. High school graduates are strongly advised to complete four years of English, four years of mathematics, and three years of science while in high school.

THE FRESHMAN & Sophomore YEARS

The first two years of the program (lower division) primarily involve courses that satisfy the university's general education requirements plus introductory classes on basic construction topics. These initial courses cover arts and humanities, AutoCAD, construction management, construction materials and methods, construction science, economics, information systems, mathematics, physics, social and behavioral sciences, and surveying.

THE GENERAL EDUCATION CORE

The core of the construction management program emphasizes communication, interpersonal, and leadership skills. It also provides students with opportunities to develop the ability to function in interdisciplinary teams and to understand professional and ethical responsibilities.

The construction management faculty have advanced degrees in construction, engineering, and management, as well as extensive professional and industrial experience. They are involved in teaching, research, and service to the university and profession.

The third and fourth years of the program (upper division) focus on construction science and management topics. Upper-division coursework covers computer applications in construction, construction law, construction management, cost control, estimating, and scheduling. Construction science course topics include building structures (concrete, steel, and wood), electrical systems, heavy construction equipment, inspection, soils and foundations, and temporary construction structures.

Degrees & Majors

B.S. in Construction Management Management Option

First Year – Fall

ENG 101 Composition I	3 cr
MATH 181 Calculus I	4 cr
IS 101 Intro Information Systems	3 cr
CEM 100 Fundamentals of Const Mgmt	3 cr
MEG 120 Intro AUTOCAD	1 cr
	14 cr

First Year – Spring

ENG 102 Composition II	3 cr
STAT 152 Intro to Statistics	3 cr
PHYS 151/151L General Physics	4 cr
CEM 101 Fundamentals of Const Science	3 cr
COM 101 Oral Communication	3 cr
	16 cr

Second Year – Fall

CEE 121 Elementary Surveying	3 cr
ENG 231 or 232 World Literature I or II	3 cr
CEM 250 Const Materials & Methods	3 cr
PHI 242 Ethics for Engineers & Scientists	3 cr
PHYS 152/152L General Physics	4 cr
	16 cr

Second Year – Spring

ACC 201 Financial Accounting	3 cr
ECON 102 Prin. Microeconomics	3 cr
ECON 190 Global Economics	3 cr
CEM 253 Quantity Surveying & Doc. Analysis	3 cr
HIST 100 or PSC 101 – Constitutions Reqt	4 cr
	16 cr

B.S. in Construction Management Engineering Science Option

First Year – Fall

ENG 101 Composition I	3 cr
MATH 181 Calculus I	4 cr
CHEM 121 General Chemistry I	4 cr
CEM 100 Fundamentals of Const Mgmt	3 cr
	14 cr

First Year – Spring

ENG 102 Composition II	3 cr
MATH 182 Calculus II	4 cr
PHYS 180/180L Physics for Scientists & Engr I	4 cr
CEE 110 Intro to CE Design	3 cr
COM 101 Oral Communication	3 cr
	17 cr

Second Year – Fall

CEE 121 Elementary Surveying	3 cr
MATH 283 Calculus III	4 cr
CEM 250 Const Materials & Methods	3 cr
CEE 241 Statics	3 cr
PHYS 182/182L Physics for Scientists & Engr III	4 cr
	17 cr

Second Year – Spring

CEE 370/370L Engr Mech Deform. Bodies	4 cr
ECON 102 Prin. Microeconomics	3 cr
ECON 190 Global Economics	3 cr
CEM 253 Quantity Surveying & Doc. Analysis	3 cr
HIST 100 or PSC 101 – Constitutions Reqt	4 cr
	17 cr

