CONSTRUCTION MANAGEMENT

Graduate Programs

DEGREES OFFERED

Online Post-Baccalaureate Certificate in Construction Management
This 18-hour program can be completed in six to 12 months and will prepare individuals—including graduate students in areas of architecture and business or qualified military personnel—for a career change into construction management. Students who complete the requirements will acquire a perspective and the necessary skills of a construction manager, as well as a path to construction management certification. The program helps to prepare individuals for the American Institute of Constructors (AIC) Associate Constructor Level I Exam and provides the basic learning courses required for most U.S. construction management/science graduate programs in the country.

Master of Science in Construction Management (MSCM)
The MSCM is designed to blend engineering, business, and construction management concepts together to produce a professional graduate who can manage construction processes effectively and efficiently. It also provides career paths for those interested in research and/or academics. Students receive in-depth education in state-of-the-art construction specializations, including advanced materials and sustainability, building science for disaster-resistant communities, built environment informatics, and capital facility management.

PhD in Engineering Science With a Concentration in Construction Management
The College of Engineering has an interdisciplinary PhD program with a concentration in construction management that allows students to pursue graduate study and research across multiple disciplines, multiple departments, or program areas not associated with an existing department. The Bert S. Turner Department of Construction Management utilizes this program for students wishing to develop their research skills in construction-related topics while pursuing a PhD. Qualified students must possess a bachelor's or master's degree in engineering, construction management, or other related applied sciences.

The program is offered in three paths:
• Professional (non-thesis master with 36 credit hours of courses) – Several projects are integrated throughout the course requirements; however, there is no specific program thesis, project course, or comprehensive examination required. Offered to LSU Online students.
• Executive (non-thesis master with project; 33 credit hours of courses and a 3-credit-hours project course for a total of 36 credit hours) – Offered only to traditional campus students.
• Research (thesis master with 24 credit hours of courses and a 6-credit-hours thesis for a total of 30 credit hours) – Offered only to traditional campus students.

LEARN SO MUCH MORE LSU.EDU/ENG
FACULTY RESEARCH AREAS

Gabriel Andres Arce Amador
garcea1@lsu.edu — Concrete materials, cementitious composites, geopolymer composites, infrastructure materials, pavement engineering

Charles Berryman
cberryman@lsumail.net — sustainability, material science, soil stabilization, construction education, decision support systems.

Carol Friedland
friedland@lsu.edu — hazard-resistant construction and mitigation, natural hazard vulnerability/risk assessment, community resilience, hazard mitigation planning, industrial construction

Marwa Hassan
marwa@lsu.edu — sustainable construction, life cycle assessment, infrastructure sustainability, highway construction, advanced sustainable materials, including nanomaterials, productivity analysis of construction operations

Amirhosein Jafari
ajafari1@lsu.edu — sustainability in construction, smart buildings and communities, decision support systems in construction, project management systems

Yongcheol Lee
yclee@lsu.edu — building/city information modeling, construction informatics, sensing, disaster recovery, construction safety and health

Charles F. Pecquet
cpecquet@lsu.edu — construction safety, workforce training and development, visual communication

Husam Sadek
hsadek1@lsu.edu — pavement engineering, advanced materials characterization, accelerated pavement testing, infrastructure sustainability

Donald Schneider
dschne22@lsu.edu — Law, project management, contracts, leadership

Jonathan Shi
jshi@lsu.edu — construction productivity, construction quality, construction mass customization, lean construction and lean healthcare

Chao Wang
chaowang@lsu.edu — automation and robotics in construction, information technology in construction, building information modeling, pavement quality control and assurance

Kimberly Williams
kimwilliams@lsu.edu — online learning, leadership, project management, workforce training and development

Yimin Zhu
yiminzhu@lsu.edu — computer applications in construction management, sustainable construction

GRADUATE ADVISOR
Carol Friedland, PhD
friedland@lsu.edu
225-578-1155