

PHILADELPHIA UNIVERSITY



ADMISSIONS REQUIREMENTS

Official Academic Transcripts
Current Resume
Official GRE Scores
2 Letters Of Recommendation
Letter of Intent

PROGRAM OVERVIEW

The Master of Science in Construction Management in the College of Architecture and the Built Environment is a 37-credit, 13-course curriculum with a project management and sustainable design emphasis that can be completed in one to two years depending on the course load and sequencing chosen by the student. The target audience for the degree program includes three distinct groups: graduates in a field related to architecture, design, or engineering, seeking a change in professional emphasis; graduates from undergraduate programs in construction management interested in pursuing professional status; and graduates in cognate fields, such as business, real estate, and finance. The courses are offered in two 15-week semesters per year, as well as a 12-week summer semester.

Before full matriculation, a student must have acquired specific skill sets and introductory-level knowledge in the business aspects of the construction industry. The Program Director will review each applicant's academic and work history to determine readiness for graduate-level study in Construction Management. In the absence of relevant professional experience, additional prerequisites may be required.

CONSTRUCTION PROJECT MANAGERS

Graduates of the program will be qualified to lead, plan, direct, and manage a wide variety of construction projects, including: commercial, industrial, and residential structures; infrastructure such as roads, bridges, wastewater treatment plants; and educational and health care facilities. They will coordinate and manage the life cycle of a construction project from the conceptual development phase through final construction, ensuring that the project is completed on time and within budget. They will work with and for general contractors, owners, engineers, architects, and others who are involved in the construction process. They will effectively manage the teams of designers, subcontractors, vendors, and field personnel required to construct a project. There are excellent employment opportunities for construction managers and the number of job openings far exceeds the number of qualified individuals seeking to enter the profession.

PROGRAM MISSION

The mission of the Master of Science Program in Construction Management is to offer a comprehensive program of construction and management education and to improve the quality and sustainability of the construction industry and thus the built environment.

The MCM program is founded on the following principles:

- Ethical and Values Based Leadership in the Construction Industry
- Excellence in Creative Learning Environments and Outcomes
- A Sustainable Built Environment



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PROGRAM DESIGN

The program is designed to meet the growing need for professionals with advanced technical, managerial, and applied research skills in the construction industry. In addition, graduates will develop the flexibility and competency needed to pursue their career goals by developing the skills that employers value. The program combines the skills, extensive background in construction, and talents of its faculty members with an innovative educational curriculum to prepare the future leaders in the construction professions. The program offers a broad based area of study that emphasizes construction project management by addressing advanced topics in estimating and scheduling, construction information modeling (BIM), project finance and cost control, construction law, project management, sustainable building and design, and business administration. The interdisciplinary nature of the program allows a candidate's program of study to reflect both individual interests and diverse career goals.

CURRICULUM

Required Construction Management Courses

MCM 600	Construction Estimating and Scheduling
MCM 602	Construction Information Modeling
MCM 603	Construction Law
MCM 604	Construction Finance and Cost Control
MCM 606	Construction Risk Management
MCM 612	Construction Project Management
MCM 791	Internship
MCM 901	Masters Project

Required Sustainable Design Courses

SDN 601	Sustainable Design Methodologies
SDN 603	Sustainable Systems

Required Business Course

MBA 625	Management Communications and Negotiations
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Elective Courses - Choose 2

MCM 608	Construction Environmental Management
MBA 626	Management in a Global Environment
MBA 628	Accounting for Management Decisions
MBA 629	Financial Policy and Planning
MBA 757	Management of Innovation and Entrepreneurship
MBA 758	International Perspectives of Human Resources Management
MRE 601	Principles of Real Estate
SDN 604	Green Materials
SDN 701	Green Design / Build Lab

Graduates of the Masters of Science in Construction Management will be able to demonstrate:

- Effective communication skills
- The ability to analyze ethical decisions as construction professionals
- Synthesized knowledge of core concepts in the roles and functions of professional construction managers
- Competency in interpersonal, team, and business relationship management.
- The ability to apply skills and knowledge in practical construction business situations, including estimating, planning and scheduling, legal issues, financial and cost control issues, risk and project management.
- Specific skill sets necessary to conceptualize, measure, and construct a sustainable building environment.



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