

Graduate Certificate in Construction Management

The Graduate Certificate in Construction Management prepares students and professionals to succeed in the construction industry. The construction industry builds the basic infrastructure necessary to sustain modern cities and communities. The successful delivery of such infrastructure requires skillful project managers to navigate the various steps of the project delivery process. Certificate holders will acquire experience in various aspects of construction management such as planning, environmental compliance, design, right-of-way acquisition, estimation, resource management, financing and scheduling.

Requirements

The 12-credit hour Graduate Certificate in Construction Management is offered as part of a graduate program or as a stand-alone certificate. CV_ENG 7500, Introduction to Construction Management, is required. The following is a partial list of course offerings which can be used to complete the certificate program. Other classes could also be used as part of the certificate upon approval.

AAE 7301	Topics in Agricultural and Applied Economics (Economics of Public Utilities)	1-6
ARCHST 7310	Graduate Building Systems	3
ARCHST 7320	Materials, Methods and Products	3
ARCHST 7323	Sustainable Technologies and Systems	3
ARCHST 7325	Energy-Efficient Building Design	3
ARCHST 7333	Compliance and Specifications	3
ARCHST 7430	Guiding Design with Historic Preservation	3
CV_ENG 7104	Pavement Materials and Design	3
CV_ENG 7105	Asphalt Materials and Mixture Design	3
CV_ENG 7106	Intelligent Transportation Systems	3
CV_ENG 7120	Airport Engineering	3
CV_ENG 7125	Transportation Legal Issues ³	3
CV_ENG 7130	Transportation Safety	3
CV_ENG 7145	Civil and Environmental Engineering Legal Issues ³	3
CV_ENG 7500	Introduction to Construction Management ¹	3
CV_ENG 7520	Construction Contracting	3
CV_ENG 7530	Construction Safety	3
CV_ENG 7540	Construction Planning and Scheduling	3
CV_ENG 7550	Construction Project Costing	3
CV_ENG 7560	Construction Estimating	3
CV_ENG 8107	Transportation Safety Modeling	3
ACCTCY 8310	Accounting for Managers ²	3
FINANC 8110	Managerial Finance I ²	1.5
FINANC 8220	Economics for Managers	1.5
MANGMT 8390	Organizational Behavior and Management: Dyadic, Group and Organizational Processes	1.5
MANGMT 8510	Project Management	1-3
MANGMT 8960	Introduction to Strategic Management	1.5

¹ Required core course. Can be waived if the student completed an equivalent undergraduate course, such as CV_ENG 4500 Introduction to Construction Management; however, 12 total credits are still required.

² Business courses are limited to a total of 6 credit hours.

³ Only one of the two legal issues courses can be taken to satisfy the 12 credit hours requirement.