

CERTIFICATE IN CONSTRUCTION MANAGEMENT

The Certificate in Construction Management is a preparatory coursework-only non-degree program oriented toward individuals who are working in related areas of the construction industry to gain expertise in construction management that they may use in their jobs or as a steppingstone from a bachelor's degree in other disciplines to transition their career path into construction

management. The certificate requires taking four courses (12 credit hours) in the Construction Management area. The program is designed to be taken standalone for gaining introductory knowledge or in preparation for gaining advanced knowledge in the Master of Engineering in Construction Engineering and Management program.

Curriculum

Code	Title	Credit Hours
Required Courses		(12)
Select a minimum of four courses from the following:		12
CAE 470	Construction Methods and Cost Estimating	3
CAE 471	Construction Planning and Scheduling	3
CAE 472	Construction Site Operation	3
CAE 473	Construction Contract Administration	3
CAE 474	Introduction to Building Information Modeling	3
CAE 570	Legal Issues in Civil Engineering	3
CAE 571	Lean Construction and Control	3
CAE 572	Construction Business Operations and Cost Accounting & Control	3
CAE 573	Construction Management with Building Information Modeling	3
CAE 574	Economic Decision Analysis in Civil Engineering	3
CAE 575	Systems Analysis in Civil Engineering	3
CAE 576	Applications of Unmanned Aerial Vehicles (UAVs or "Drones") for Construction Projects	3
CAE 577	Construction Equipment Management	3
CAE 578	Construction Claims Management	3
CAE 579	Real Estate Fundamentals for Engineers and Architects	3
Total Credit Hours		12