***Construction Management Group Department of Civil and Environmental Engineering***

***University of Illinois at Urbana-Champaign Recommendations for 3-Semester M.S. Program in Construction Management***

***Starting Spring 2025***

The listings below highlight courses that the Construction Management Faculty deem appropriate for students interested in completing their M.S. degree in 3 semesters. A total of 36 credits are required for the M.S. degree with no thesis, which is equivalent to a total of nine 4-credit hour courses. As with all degree program decisions, please coordinate with program advisor for confirmation of your course selection and degree program.

**Spring 2025** (take three courses equivalent to 12 credits)

* *CEE 420 (Construction Productivity)*
* *CEE 421 (Construction Planning)*
* *CEE 597 (Independent Study)*
* *CEE 598CR (Construction Robotics)*
* Elective\* at 400 or 500-levels

**Fall 2025** (take three courses equivalent to 12 credits)

* *CEE 421 (Construction Planning)*
* *CEE 422 (Construction Cost Analysis)*
* *CEE 498CEM (Construction Equipment and Methods)*
* *CEE 498CS (Construction Safety)*
* *CEE 526 (Construction Optimization)*
* *CEE 595 Seminar (AI in Built Environment – 1 credit)*
* Elective\* at 400 or 500-levels

**Spring 2026** (take three courses equivalent to 12 credits)

* *CEE 420 (Construction Productivity)*
* *CEE 421 (Construction Planning)*
* *CEE 528 (Construction Data Modeling)*
* *CEE 598CR (Construction Robotics)*
* Elective\* at 400 or 500-levels
* Core courses that are highly recommended are shown in italics.
* Other courses may substitute for non-core courses, as available. All courses shown above are 4 credits each. A total of 36 credits are required for the M.S. degree with no thesis. A minimum of three 5xx courses (12 credits) must be taken in total, of which a minimum of two of the 5xx courses (8 credit hours) must be construction courses.

For questions, please contact:

Prof. Khaled El-Rayes

Department of Civil and Environmental Engineering

University of Illinois at Urbana-Champaign, Urbana, Illinois 61801, E-mail: elrayes@illinois.edu

*\** Elective courses can be selected from the Civil & Environmental Engineering, Architecture, Business Administration, Finance, Computer Science, Mechanical and Industrial Engineering, Law, and Labor and Industrial Relationship departments.

*Updated 11-08-2024*