

UNIVERSITY OF ILLINOIS
AT URBANA - CHAMPAIGN

Department of Civil and Environmental Engineering

Newmark Civil Engineering Laboratory, MC-250
205 North Mathews Avenue
Urbana, IL 61801-2352



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Structures Faculty
Department of Civil and Environmental Engineering
University of Illinois at Urbana-Champaign

Recommendations for 12-month M.S. Program in Structural Engineering

The listings below highlight courses that the Structures Faculty deem appropriate for students interested in completing their M.S. degree in twelve months (including no thesis) versus the standard one-and-a-half to two year M.S. degree (with or without thesis). The courses shown below will *usually* be offered in the semesters shown (changes may occur in some years). The degree may also be completed in nine months if five courses are taken in one semester (such a course load would be demanding). It is assumed that students have completed CEE 470 Structural Analysis prior to taking the courses below.

As with all degree program decisions, please coordinate with your advisor for confirmation of your course selection and degree program.

Fall (take three to four)

CEE 462 (Steel Structures, II)
CEE 471 (Structural Mechanics)
CEE 472 (Structural Dynamics)
CEE 561 (Reinforced Concrete, III)

Spring (take three to four)

CEE 463 (Reinforced Concrete, II)
CEE 560 (Steel Structures, III)
CEE 570 (Finite Element Methods)¹
CEE 572 (Earthquake Engineering)²

Summer (take one to two)

CEE 467 (Masonry Structures)
CEE 469 (Wood Structures)

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 credits) must be structures courses.

For questions, please contact:

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¹ CEE 471 is a prerequisite for this course.

² CEE 472 is a prerequisite for this course.