

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 11-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 eleven months (without a 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 very demanding). It is assumed here that students have completed *CEE 470 (Structural Analysis)* prior to taking the courses listed below.

As with all degree program decisions, please coordinate with your faculty advisor for confirmation about course selection, course availability, and degree program options.

**Fall** (take three or four)

*CEE 462 (Steel Structures, II)*  
*CEE 471 (Structural Mechanics)*  
*CEE 472 (Structural Dynamics)*

*CEE 561 (Reinforced Concrete, III)*  
*CEE 468 (Prestressed Concrete)*

**Spring** (take three or four)

*CEE 463 (Reinforced Concrete, II)*  
*CEE 570 (Finite Element Methods)*<sup>1</sup>  
*CEE 572 (Earthquake Engineering)*<sup>2</sup>

*CEE 560 (Steel Structures, III)*<sup>3</sup>  
*CEE 491 (Decision & Risk Analysis)*

**Summer** (take one or two)

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

Core courses that are strongly recommended are shown in *italics*. Other courses may be substituted for the listed non-core courses, as available (including some appropriate geotechnical engineering or construction materials courses). 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 at least two of them (8 credits) must be structures courses.

For questions, please contact:

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<sup>1</sup> CEE 471 is a prerequisite for this course.

<sup>2</sup> CEE 472 is a prerequisite for this course.

<sup>3</sup> CEE 560 is offered every other spring in odd years.