January 25, 2010

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.

<table>
<thead>
<tr>
<th>Fall (take three or four)</th>
<th>Spring (take three or four)</th>
<th>Summer (take one or two)</th>
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</thead>
<tbody>
<tr>
<td>CEE 462 (Steel Structures, II)</td>
<td>CEE 463 (Reinforced Concrete, II)</td>
<td>CEE 467 (Masonry Structures)</td>
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<tr>
<td>CEE 471 (Structural Mechanics)</td>
<td>CEE 570 (Finite Element Methods)</td>
<td>CEE 469 (Wood Structures)</td>
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<tr>
<td>CEE 472 (Structural Dynamics)</td>
<td>CEE 572 (Earthquake Engineering)</td>
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<tr>
<td>CEE 561 (Reinforced Concrete, III)</td>
<td>CEE 560 (Steel Structures, III)</td>
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<tr>
<td>CEE 468 (Prestressed Concrete)</td>
<td>CEE 491 (Decision &amp; Risk Analysis)</td>
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</table>

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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1 CEE 471 is a prerequisite for this course.
2 CEE 472 is a prerequisite for this course.
3 CEE 560 is offered every other spring in odd years.