

Construction Materials Specialization
Department of Civil and Environmental Engineering
University of Illinois at Urbana-Champaign
Recommendations for 11-month M.S. Program in Construction Materials

The listings below are courses that the Construction Materials Faculty deem appropriate for students interested in completing their M.S. degree in eleven months (with no thesis). The courses listed below will *usually* be offered in the semesters shown, but 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). As with all degree program decisions, you should see your advisor to discuss your course selection and degree program.

Fall (four courses)

CEE 401 (Concrete Materials)
Advanced materials course
CEE 405 (Asphalt Materials I)
Elective course

Spring (four courses)

Advanced materials course
Elective course
Elective course

Summer (one course)

Elective course

The two required core courses are shown in italics. The two advanced materials courses must be selected from the following: CEE504 (Non Destructive Testing), CEE503 (Deterioration of Materials), CEE502 (Advanced Cement Chemistry), CEE501 (Constr Matls Characterization), CEE598IR (Infrastructure Repair), and CEE598F (Fracture of Plain and Fiber Concrete). The electives (about four) should be selected from the list of approved courses that is part of the Plan of Study, which includes 400- or 500-level courses in CEE (Structural Engineering, Transportation Engineering, and Geotechnical Engineering), Materials Science and Engineering, Mechanical Science and Engineering, and Natural Resources and Environmental Sciences. The specific semester for each advanced materials course and elective course depends on which courses you wish to take and which semester each course is offered.

A total of 36 credits are required for the M.S. degree with no thesis. These must include at least three 5xx courses,, of which at least two must be advanced materials courses.

For questions, please contact:

Prof. John Popovics
Department of Civil and Environmental Engineering
2129D Newmark Civil Engineering Laboratory, MC-250
205 North Mathews Avenue
University of Illinois at Urbana-Champaign
Urbana, Illinois 61801
Telephone: (217) 244-0843; Fax: (217) 265-8040
E-mail: johnpop@illinois.edu