



Civil, Architectural and Environmental Engineering

Structures-Track MS & Ph.D. Requirements

The requirements of the structures-track MS program, including MS-PhD track, terminal MS, and BS/MS are as follows:

- (1) **Seven** required courses to be taken within the department:
 1. CIVE 605 Advanced Mechanics of Materials I (fall)
 2. CIVE 606 (790) Advanced Mechanics of Material II (winter)
 3. CIVE 701 Structural Analysis I (fall)
 4. CIVE 702 Structural Analysis II (winter)
 5. CIVE 703 Structural Analysis III (spring)
 6. CIVE 801 Dynamics of Structures I (fall)
 7. CIVE 802 Dynamics of Structures II (winter)

- (2) **Two** approved math courses from the following list:
 1. MEM 591 Applied Engineering Analysis Methods I
 2. MEM 592 Applied Engineering Analysis Methods II
 3. MEM 660 Theory of Elasticity I
 4. MEM 661 Theory of Elasticity II
 5. MEM 681 Finite Element Methods I*
 6. MEM 682 Finite Element Methods II*
 7. MATE 535 Numerical Engineering Methods*
 8. MATH 507 Applied Mathematics I
 9. MATH 508 Applied Mathematics II
 10. MATH 510 Applied Prob. & Statistics I
 11. MATH 511 Applied Prob. & Statistics II
 12. MATH 520 Numerical Analysis I
 13. MATH 521 Numerical Analysis II
 14. MATH 544 Advanced Engineering Math I
 15. MATH 545 Advanced Engineering Math II
 16. MATH 610 Advanced Prob. & Statistics I
 17. MATH 611 Advanced Prob. & Statistics II

- (3) **Six** approved electives (including thesis credits if applicable)