Department of Mechanical Engineering
UNIVERSITY OF WISCONSIN–MADISON

These ME courses count toward ME 700-level course requirement and the 700-level course requirement for Mechanical Engineering graduate students:

- ME 964: Advanced Computational Techniques for Design Optimization & Nonlinear Finite Element Analysis
- ME 964: Advanced Topics in Finite Elements (Advanced FEA)
- ME 964: Computational Biomechanics
- ME 964: Computational Design & Manufacturing (also called Computational Geometry of Materials)
- ME 964: Computational Mathematics with Applications in Engineering
- ME 964: Computational Nanomechanics
- ME 964: Convection
- ME 964: Design of Nonlinear Controllers & Observers
- ME 964: Electrochemistry for Energy, Nanofabrication, and Sensing
- ME 964: High-Performance Computing for Engineering Applications
- ME 964: Metal Additive Manufacturing
- ME 964: Modeling & Simulation Two-Phase Flows
- ME 964: Model-Based Engineering
- ME 964: Multi-field Annular Flow Modeling Techniques
- ME 964: Nonlinear Elasticity
- ME 964: Radiant Heat Transfer
- ME 964: Scientific Computing for Engineering Applications
- ME 964: Sci Comp & Machine Learning
- ME 964: Statistical Shape Modeling

These non-ME courses count as 700-level courses for Mechanical Engineering graduate students. These courses are not cross-listed with ME, hence do NOT meet the requirement to take a certain number of ME 700-level credits:

- CBE 620: Intermediate Transport Phenomena
- EMA 622: Mechanics of Continua
- EMA 630: Viscoelastic Solids