(Effective 2019-2020)

Computational Science and Engineering – System Engineering, MS

School/College: College of Engineering

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The Master of Science in Computational Science and Engineering program provides advanced study and research in the following areas: Data Science and Engineering, High-performance Computing, and Modeling, Simulation and Visualization of Complex Systems. This is an interdisciplinary program that welcomes applicants and participants from all fields in Science, Technology, Engineering, and Mathematics. The Systems Engineering Concentration emphasizes concepts and skills that are beneficial in modeling, designing, and operating complex systems.

Degree Requirements

Total credit hours: 30

- Required Core courses (12 credits): CSE 702, 703, 801, 804
- System Engineering Cores (9 credits): SYEN 605, 710, 715
- Electives (9 credits): Take 9 credits from engineering, computer science, mathematics, physics, chemistry, biology, economics, business, agricultural science or other courses approved by the CSE department, with approval of advisor
- Select 2 additional credits to complete 30 credit requirement. This can be supervised teaching, supervised research, or approved graduate courses with approval of advisor
- Seminar (CSE 792: 1 credit)
- At least 18 credit hours should be at 600-700 level