MASTER OF SCIENCE IN APPLIED MATHEMATICS, COMPUTATIONAL SCIENCE AND ENGINEERING OPTION

Thesis Option
MATH 550 Dynamical Systems I or MATH 553 Partial Differential Equations
Select one of the following: 3-4
- MATH 418 Intro to Abstract Algebra II
- MATH 448 Complex Variables
- MATH 500 Abstract Algebra I
- MATH 540 Real Analysis
- MATH 542 Complex Variables I
12 hours from CSE courses (at least 4 in MATH, 4 not in MATH) (http://cse.illinois.edu/education/certificate-programs/graduate-certificate-option/grad-certificate-and-concentration)
MATH 599 Thesis Research (0 min applied toward degree) 0
Total Hours 32

Other Requirements
Other requirements may overlap
A concentration is not required.
MATH 405, MATH 406, MATH 415, MATH 444, and MATH 499 cannot be counted toward this graduate degree.
Minimum Hours Required Within the Unit: 20
Minimum 500-level Hours Required Overall: 12 (8 in MATH)
Minimum GPA: 3.0

Non-Thesis Option
MATH 550 Dynamical Systems I or MATH 553 Partial Differential Equations
Select one of the following: 3-4
- MATH 418 Intro to Abstract Algebra II
- MATH 448 Complex Variables
- MATH 500 Abstract Algebra I
- MATH 540 Real Analysis
- MATH 542 Complex Variables I
12 hours from CSE courses (at least 4 in MATH, 4 not in MATH)
Total Hours 32

Other Requirements
Other requirements may overlap
A concentration is not required.
MATH 405, MATH 406, MATH 415, MATH 444, and MATH 499 cannot be counted toward this graduate degree.
Minimum Hours Required Within the Unit: 20
Minimum 500-level Hours Required Overall: 12 (8 in MATH)
Minimum GPA: 3.0

1 For additional details and requirements refer to the department’s Guide to Graduate Studies (http://www.math.illinois.edu/GraduateProgram) and the Graduate College Handbook (http://www.grad.illinois.edu/gradhandbook).