

Advising Form: 2019-2020

Name: _____ ID Number: _____

Term Admitted: _____ Last Updated: _____

The MS Mathematics degree consists of three parts: Core courses (11 units), Electives (15 units), and Master's Thesis (6 units) for a total of 32 minimum units required.

Students must obtain a grade of B- or better in order for courses to be applied to the MS in Mathematics degree. Students must receive a grade of B or better in at least 2 units of MATH 597 or MATH 598 to satisfy the Graduate Writing Assessment requirement (GWAR) necessary for graduation

MS Mathematics Curriculum	Units	Instit.	Course	Units	Grade	Term	Comments
Core Requirements (11 units)							
MATH 511 Functional Analysis	3						
MATH 512 Probabilistic Methods & Measure Theory	3						
MATH 513 Advanced Algebra	3						
MATH 599 Graduate Seminar	1						
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Electives (15 units)							
Choose at least <u>two</u> electives from the following list:							
MATH 570 Combinatorics	3						
MATH 582 Number Theory and Cryptography	3						
MATH 584 Algebraic Geometry and Coding Theory	3						
MATH 587 Markov Chains and Markov Processes	3						
MATH 588 Stochastic Analysis	3						
MATH 590 Graduate Topics in Mathematics	3						

Choose at least three electives from the following list:

MATH 555 Actuarial Sciences	3						
MATH 565 Research in Mathematics Education	3						
PHYS/COMP/MATH 510 Advanced Image Analysis Techniques	3						
PHYS/COMP/MATH 546 Pattern Recognition	3						
COMP/MATH 554 Algorithms	3						
COMP 569 Artificial Intelligence	3						
COMP 571 Biologically Inspired Computing	3						
COMP 572 Neural Networks	3						
COMP 575 Multi-Agent Systems	3						
COMP 578 Data Mining	3						
MATH 594 – Independent Study and other graduate courses from mathematics or the mathematical sciences may be included with the graduate advisors approval.							
MATH 594 Independent Study	1-3						
Thesis/Project (Minimum 6 units)							
MATH 597/ 598 Master's Thesis/ Masters Project	6						

Advising Notes: