

Advising Form: 2016-2017

Name: _____ ID Number: _____

Term Admitted: _____ Last Updated: _____

The MS Mathematics degree consists of 3 parts: Core courses (6 units), Seminar (2 units), Electives (18 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 (6 units) Choose 2 courses from the following: | | | | | | | |
| MATH 511 Functional Analysis | 3 | | | | | | |
| MATH 512 Probabilistic Methods & Measure Theory | 3 | | | | | | |
| MATH 513 Advanced Algebra | 3 | | | | | | |
| Seminar (2 units) | | | | | | | |
| MATH 599 Graduate Seminar | 1 | | | | | | |
| MATH 599 Graduate Seminar | 1 | | | | | | |
| Thesis/Project (Minimum 6 units) | | | | | | | |
| MATH 597/ 598 Master's Thesis/ Masters Project | 6 | | | | | | |
| Electives (18 units) At least 3 courses in MATH | | | | | | | |
| MATH 511 Functional Analysis | 3 | | | | | | |
| MATH 512 Probabilistic Methods & Measure Theory | 3 | | | | | | |
| MATH 513 Advanced Algebra | 3 | | | | | | |

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|---|-----|--|--|--|--|--|--|
| MATH 555 Actuarial Sciences | 3 | | | | | | |
| MATH 565 Research in Mathematics Education | 3 | | | | | | |
| MATH 570 Combinatorics | 3 | | | | | | |
| MATH/COMP 581 Mathematical Methods in Artificial Intelligence | 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 594 Independent Study | 1-3 | | | | | | |
| PHYS/COMP/MATH 510 Advanced Image Analysis Techniques | 3 | | | | | | |
| PHYS/COMP/MATH 546 Pattern Recognition | 3 | | | | | | |
| COMP 520 Advanced Database Systems | 3 | | | | | | |
| COMP 524 Security | 3 | | | | | | |
| COMP 529 Network Computing | 3 | | | | | | |
| COMP 549 Human-Computer Interaction | 3 | | | | | | |
| COMP 550 Advanced Software Engineering | 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 | | | | | | |

Advising Notes:

Reviewed

Jesse Elliott, PhD
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