

**GRADUATE DEGREE
PROGRAMS IN**

APPLIED MATHEMATICS

UNIVERSITY OF COLORADO AT BOULDER

INTRODUCTION

ADMISSION REQUIREMENTS

not

STANDARDIZED TEST SCORES

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GRE SCORES

TOEFL SCORES

ADEQUATE PROGRESS



The M.S. student on the thesis

TRANSFER CREDIT

Master's degree students may request a maximum of 9 semester hours to be transferred from another institution. must

DISSERTATION ADVISOR AND RESEARCH PLAN

- **In collaboration with their dissertation advisor and faculty mentor, a research plan must be formulated by the end of the Spring semester of the third year.**

GRIEVANCE POLICY

M.S. DEGREE FOR PH.D. STUDENTS

TIMELINE FOR PHD MILESTONES (ANNUAL EVALUATIONS)

ADMISSIONS REQUIREMENTS

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IQ BIO CURRICULUM IN APPLIED MATHEMATICS

GRADUATE COURSES

BASIC COURSES

do not

do

APPM 5120 (3). Introduction to Operations Research.

APPM 5380 (3). Modeling in Applied Mathematics.

APPM 5370 (3). Computational Neuroscience.

APPM 5380 (3). Modeling in Applied Mathematics.

APPM 5390 (3). Modeling in Mathematical Biology.

APPM 5565 (3). Random Graphs.

STAT 5100 (3). Markov Processes, Queues and Monte Carlo Simulations.

STAT 5230 (3). Stochastic Analysis for Finance.

STAT 5250 (3). Data Assimilation in High Dimensional Dynamical Systems.

STAT 5400 (3). Advanced Statistical Modeling.

STAT 5430 (3). Spatial Statistics.

STAT 5520 (3). Introduction to Mathematical Statistics.

STAT 5530 (3). Mathematical Statistics.

STAT 5540 (3). Introduction to Time Series.

STAT 5610 (3). Statistical Learning.

STAT 5630 (3). Computational Bayesian Statistics.

APPM 6610 (3). Introduction to Numerical Partial Differential Equations.

APPM 6640 (3). Multigrid Methods

APPM 6900 (1-6). Independent Study.

APPM 6940 (1-3). Master's Degree Candidate.

APPM 6950 (1-6). Master's Thesis.

APPM 7100 (3). Mathematical Methods in Dynamical Systems.

APPM 7300 (3). Nonlinear Waves and Integrable Equations.

APPM 7400 (1-3). Topics in Applied Mathematics.

APPM 7900 (1-3). Independent Study.

APPM 8000 (1). Colloquium in Applied Mathematics.

APPM 8100 (1). Seminar in Dynamical Systems.

APPM 8300 (1). Nonlinear Waves Seminar.

APPM 8400 (1). Mathematical Biology Seminar.

APPM 8500 (1). Statistics, Optimization and Machine Learning Seminar.

APPM 8600 (1). Seminar in Computational Mathematics.

APPM 8990 (1-10). Doctoral Dissertation.

Note: