IUP Graduate Handbook

Master of Science in Applied Mathematics

INTRODUCTION

Title IX Reporting Requirement

Student Conduct and Student Rights

Department of Mathematical and Computer Sciences

Information about the department is found at:
https://www.iup.edu/math-computer-sciences/

Mission Statement and Program Objectives

- x
- x
- x

- x
- x
- x

- x
- x
- x

- x
- x
- x
- x
- x

Faculty and Staff

Program Coordinators: *Dr. Frederick Adkins: _____, 724-357-3790*
Dr. John Chrispell: _____ 724-357-4763

Internship Coordinator: *Dr. Christoph Maier: _____, 724-357-3799*

Admission

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-

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Financial Assistance

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Graduate Assistantships

- _____
- _____

Academic Advisement

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Campus Resources & Student Support

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MATH 551: Numerical Methods for Supercomputers (3 credits)
MATH 640: Numerical Mathematics (3 credits)
MATH 641: Ordinary and Partial Differential Equations (3 credits)
MATH 643: Graphs, Networks, and Combinatorics (3 credits)
MATH 645: Nonlinear Programming Models (3 credits)
MATH 647: Advanced Simulation (3 credits)
MATH 665: Applied Regression Analysis and Design of Experiments (3 credits)
MATH 667: Applied Statistical Methods (3 credits)

†At least 12 credits must be at the 600 level.

III. ADDITIONAL ELECTIVES‡

Other graduate-level mathematics courses may be selected with approval of the student's advisor. Also, with the advisor's approval, up to six credit hours of graduate work may be taken in disciplines such as chemistry, computer science, economics, finance, management information systems, and physics.

‡The MS in Applied Mathematics requires a minimum of 27 credits of course work in addition to the research requirement listed below.

IV. RESEARCH REQUIREMENTS (3–6 CREDITS)

™ ***The MS in Applied Mathematics-Community College Track consists of the following graduate courses: (Total: 33–36 credits)***

I. CORE COURSES (15 CREDITS)*

Deterministic Models in Operations Research (3 credits)
Probabilistic Models in Operations Research (3 credits)
MATH 563: Mathematical Statistics I (3 credits)
MATH 564: Mathematical Statistics II (3 credits)

Degree Completion

Thesis Completion

1.
2.
3.

Evaluation Outcome for Dissertation and/or Thesis

Effective fall 2017 for students admitted and students admitted after --

Ongoing Dissertation and Thesis students admitted “prior” to fall 2017 –

University Policies and Procedures

University policy is the baseline policy.

Academic Calendar

The following University and SGSR policies can be found at www.iup.edu/gradcatalog

Academic Good Standing

Academic Integrity

- x
- x

The Source: A Student Policy Guide

Bereavement-Related Class Absences

Continuous Graduate Registration for Dissertation and Thesis
***Note: Admission effective fall 2017 and after**

all

Grade Appeal Policy

Graduate Fresh Start Policy

Appendices

What Faculty Expect of Students

What Students Can Expect of Faculty

Extra-Curricular Activities

- x
- x
- x

Signature Page