



IUP Graduate Handbook

Master of Education in Mathematics Education

Department of Mathematical and Computer Sciences

2020-2021

Master of Education in Mathematics Education
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INTRODUCTION

Welcome to the Department of Mathematics! We are delighted that you have decided to join us. This Handbook is developed to answer frequent and important questions related to the M.Ed. in Mathematics Education Program. It is not designed to replace student advising, but is offered as a means of assisting that process. We encourage you to read this Handbook carefully, as

Campus Resources & Student Support

The School of Graduate Studies and Research: www.iup.edu/graduatestudies/
Graduate Catalog: www.iup.edu/gradcatalog
Office of the Bursar: www.iup.edu/bursar/
Office of the Registrar: www.iup.edu/registrar/
Disability Support Services: www.iup.edu/disabilitysupport/
Office of Social Equity: www.iup.edu/social-equity/
IUP Campus Library www.iup.edu/library/
MyIUP: www.iup.edu/myiup/
IT Support Center: www.iup.edu/itsupportcenter/
Veterans and Service Members: www.iup.edu/veterans/resource-center/
IUP Writing Center: www.iup.edu/writingcenter/
IUP Career and Professional Development Center: www.iup.edu/career/
IUP Parking Services and Visitor Center <http://www.iup.edu/parking/>
University Police <http://www.iup.edu/police/> | 724-357-2141
Crisis Intervention 24/7 Hotline: 1-877-333-2470
Student Registration: www.iup.edu/registrar/students/registration/

Programs and Degrees
Master of Education in Mathematics Education (36 credits)
PROGRAM OUTLINE*

I. Education and Educational Research (6 cr.) (All courses online)

- EDEX 569/578/650/750/751/752 EDSP 704/746/747/748 (choose one)
- GSR 615 Elements of Research

II. Mathematics Education Core (12 credits) (All courses online)

- MAED 650 Curriculum and Instruction in Mathematics Education
- MAED 654 Teaching Problem Solving in Mathematics Education
- MAED 652 Differentiated Instruction in Mathematics Education
- MAED 660 Survey of Research in Mathematics Education

III. Mathematics Education Content (12 credits). Choose a Specialization.

**Secondary Mathematics Education
Specialization (All courses online)**

**Elementary and Middle School Mathematics
Education Specialization**

- MAED 611 Algebra for Secondary Teachers
- MAED 612 Geometry for Secondary Teachers
- MAED 613 Probability and Statistics for Secondary Teachers
- MAED 614 Precalculus and Discrete Math for Secondary Teachers
- MAED 617 Teaching Proportional Reasoning
- 00

IV. Mathematics Education Electives (6 credits) (All Courses online)

- MAED 559 Technology-Related Topics in Mathematics Education
- MAED 616 Writing in Mathematics Education
- MAED 681 Special Topics in Mathematics Education
- MAED 698 Internship in Mathematics Education¹
- MAED 795 Thesis in Mathematics Education
- Any course from Category III

*Notes:

1. The internship may be used to do preliminary work related to a thesis. This is by permission from the graduate coordinator.
2. At least 50% of total credits must be 600 or 700-level.
3. There is a five-year time completion limit – see your advisor.
4. Special credits are limited to six including transfer credits, workshop credits, and special topics.

Thesis and/or Dissertation Completion

The Thesis and Dissertation Manual (TDM) is the governing document and provides detailed information regarding the thesis process. You are responsible for knowing and understanding the contents of this manual should you decide to do a thesis. The TDM is available at the School of Graduate Studies and Research Web site: https://www.iup.edu/graduatestudies/resources_for_current_students/research/thesis_dissertation_information/thesis_dissertation_manual/. Students planning to complete a thesis should allow a minimum of two semesters to do so. The following are meant to serve as a general guide as you immerse yourself in the thesis process. Succinctly, the topics contained in the TDM can be broadly divided into four major categories:

1. Deadlines, Forms, Checklists, and Instructions – You must know and be aware of all deadlines associated with the thesis process. You must complete and submit all necessary forms on time. Be

Evaluation Outcome for Dissertation and/or Thesis

The thesis will be scored pass, pass with minor revisions, pass with major revisions, or fail. Students who score pass with major or minor revisions, will be asked to revise and resubmit to the committee. Revisions to the thesis need to be completed by the end of the following semester. If students do not meet this deadline, the result is a fail.

Effective fall 2017 for students admitted and students admitted after -- Thesis credits will be assigned Pass or Fail as the final evaluation outcome for the taken credits and carry no quality points weighted towards a student's CGPA.

Ongoing Dissertation and Thesis students admitted "prior" to fall 2017 – Thesis credits will be assigned a letter grade as the final evaluation outcome for the credits taken and carry quality points weighted towards a student's CGPA for the number of dissertation credits required for the program. "Extended" dissertation credits are not calculated into a student's CGPA.

For more information, view the view the Graduate Catalog: www.iup.edu/gradcatalog

Internship

Overview:

Internship experience can be a valuable for a mathematics education graduate student. Real world or

The final written report should be typed and should summarize the internship project(s). It should contain a description of the work assigned as well as a description of the actual work accomplished. It should also contain a statement concerning the professional and personal benefits derived from the internship.

The final oral presentation is a summary of the final written report and will be followed by a question/answer session. The presentation will be opened to interested students, faculty, and appropriate personnel from the internship site. The intern should meet with the faculty supervisor and the site internship supervisor before the proposed presentation to discuss content of the oral presentation.

All requirements of the internship must be completed before a grade is assigned. Grading will be based on the evaluation of the above requirements, on the site supervisor's midterm and final evaluations, and on other feedbacks about the intern gained from on-site visits by the faculty supervisor and from communications between personnel at the internship site and the faculty supervisor.

University Policies and Procedures

University policy is the baseline policy. Programs may have policy that is more stringent than the University baseline policy; however, not less stringent than the University baseline policy. For questions regarding this statement, please contact [Program Coordinator] or the School of Graduate Studies and Research.

Academic Calendar

View the IUP Academic Calendar: www.iup.edu/news-events/calendar/academic/

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

Academic Good Standing

www.iup.edu/gradcatalog

Academic Integrity

www.iup.edu/gradcatalog

The Source: A Student Policy Guide: www.iup.edu/studentconduct/thesource/

Bereavement-Related Class Absences

www.iup.edu/gradcatalog

Continuous Graduate Registration for Thesis

www.iup.edu/gradcatalog

Grade Appeal Policy

www.iup.edu/gradcatalog

Graduate Fresh Start Policy

www.iup.edu/gradcatalog

Graduate Residency Requirement

www.iup.edu/gradcatalog

Leave of Absence Policy

www.iup.edu/gradcatalog

Time Limitations

www.iup.edu/gradcatalog

Time-to-Degree Masters/Doctoral Dismissal Appeal Policy

www.iup.edu/gradcatalog

Time-to-Degree Extension for Master's Thesis

www.iup.edu/gradcatalog

Transfer of Credits Policy

www.iup.edu/gradcatalog

Research

For more information, visit the website of the School of Graduate Studies and Research, click on

Research:

www.iup.edu/gradcatalog

www.iup.edu/research/

