

Mathematics Education Checklist

The University of Pittsburgh, School of Education, offers two post-baccalaureate programs for Mathematics teacher certification (grades 7 – 12). The two programs are a Professional Year (PY) Program and a Master of Arts in Teaching (MAT) Program. Details are outlined below.

To be considered for admission, applicants need to have:

- submitted a completed School of Education application form and the application fee
- earned an undergraduate degree with a minimum QPA of 3.0 (applications from students who plan to earn their undergraduate degree before the term of admission will be considered)
- submitted official transcripts from all institutions attended
- submitted a copy of the spring registration form if enrolled in spring term courses
- completed the appropriate number of prerequisite credit hours in Academic Prerequisites
- completed the appropriate number of prerequisite credit hours in Chapter 354.23 Prerequisites
- completed the appropriate number of prerequisite credit hours in Education Prerequisites
- submitted evidence of passing scores on the PRAXIS I test series (reading, writing, and mathematics)
- submitted three letters of academic and/or professional recommendation
- submitted a thoughtful, clearly written goal statement of two to three double-spaced typewritten pages
- submitted a resumé

MEETING OR EXCEEDING THE APPLICATION CRITERIA DOES NOT GUARANTEE ADMISSION

The application deadline for both programs is January 15 of the admission year. If you have any questions, please contact the Admission and Enrollment Services office at 412-648-2230.

Professional Year (PY) Program

- satisfies the requirements for a Pennsylvania Instructional I Certificate in Mathematics Education (pending passing scores on the national PRAXIS I & II Exams, successful completion of the PA Statewide Evaluation Form for Student Professional Knowledge and Practice (PDE 430), and satisfactory performance in courses and student teaching)
- is completed in two terms (fall and spring) of 15 credit hours each
- requires one day a week at a local school district in the fall term and a full-time student teaching experience at the same site in the spring term
- contains 18 credits which can be applied within three years towards a Master of Education degree
- students may apply for financial aid

Master of Arts in Teaching (MAT) Program

- requires Interns to take and pass the Mathematics: Content Knowledge test during the first summer of their program in order to obtain their Intern Certificate
- satisfies the requirements for a Pennsylvania Instructional I Certificate in Mathematics Education (pending passing scores on the national PRAXIS I & II Exams, successful completion of the PA Statewide Evaluation Form for Student Professional Knowledge and Practice (PDE 430), and satisfactory performance in courses and in the internship)
- is completed in 12 months (or two terms and two summer sessions) beginning in June of the admission year
- consists of graduate course work combined with a maximum 4.5 day per week internship in a local school district from September through June
- students may apply for financial aid

Compliance with all Federal and PA state clearances is required before entering schools. Information on how to obtain these clearances is available at www.education.pitt.edu/clearances.

Apply Online at www.education.pitt.edu/apply

Student _____ Date _____ QPA _____

Academic Prerequisites (36 credits)

Area 1: Mathematics (30 credits required)				
CourseNo.	Course Title	GR		Credits
			Analytic Geometry and Calculus 1	4
			Analytic Geometry and Calculus 2	4
			Analytic Geometry and Calculus 3	4
			Abstract Algebra	3
			Number Theory	3
			Linear Algebra	3
			College Geometry	3
			Probability/Statistics	4
			Advanced Elective	3
			History of Math	3

Area 2: Computer Science (3 credits required)				
CourseNo.	Course Title	GR		Credits
			Computer Programming Course (Pascal, Basic, C, or other)	3

Note: Individuals pursuing these math prerequisites at the University of Pittsburgh may be required to take Math 0413, Introduction to Theoretical Math, as a prerequisite for the above courses

Chapter 354.23 Prerequisites

Section 354.23 of the Pennsylvania Department of Education teacher certification requirements states that all prospective candidates must take at least 6 semester hour credits in college level English and 6 semester hour credits in college level Mathematics with a grade of C or better.

Course No.	Course Title	GR		Credits
			College Level English Composition (or the equivalent*)	3
			College Level American or British Literature (or the equivalent*)	3
			College Level Mathematics (or the equivalent*)	3
			College Level Mathematics (or the equivalent*)	3

*SAT II writing subject test score of 600 or above satisfies the three credit English composition requirement.

*A Math SAT II score of 560 or above, or a college or university Algebra Placement Test, or the successful completion of an Advanced Placement Mathematics class that appears on your institution's transcript, satisfies three credits of the Math requirement.

Education Prerequisites (6 – 12 credits)

For Professional Year (PY) students, the four education prerequisites must be taken prior to the fall term of the PY program. Master of Arts in Teaching (MAT) students must complete the two educational prerequisites prior to the Summer II term of the MAT program. MAT students may take Introduction to Mathematics Education prior to beginning the program.

The following approved clearances are required before taking Introduction to Mathematics Education: Federal Criminal History, Act 34-PA State Police Criminal Record Check, and Act 33/151 PA Child Abuse History. Forms may be obtained in 5300 Wesley Posvar Hall, or from our clearances information page.

Course No.	MAT	GR	PY
	Social Foundations of Education <i>OR</i> Equivalent		Social Foundations of Education <i>OR</i> Equivalent
	Educational Psychology <i>OR</i> Equivalent		Educational Psychology OR Equivalent
			Foundations of Special Education (IL 1580/2500)
			Introduction to Mathematics Education (IL 1479)

Professional Year (PY) Instructional I Certificate Option

Fall Term

IL 2476	Secondary Mathematics Methods 1	3 credits
IL 2477	Secondary Mathematics Methods 2	3 credits
IL 2746	Teaching Lab - Mathematics	3 credits
IL 2740	Practicum in Mathematics Education	3 credits
IL 2523	Literacy Assessment	3 credits

Spring Term

IL 2840	Student Teaching - Mathematics	5 credits
IL 2842	Student Teaching Seminar - Mathematics	1 credits
IL 2502	Students with Disabilities in Secondary Classrooms	3 credits
IL 2842	Technology	3 credits
IL 2257	English Language Learners	3 credits

Master of Arts in Teaching (MAT) Option

Summer Session II

IL 2479	Introduction to Mathematics Education (if not taken)	3 credits
IL 2746	Teaching Lab – Mathematics	3 credits
IL 2500	Foundations of Special Education	3 credits

Fall Term

IL 2523	Literacy Assessment	3 credits
IL 2257	English Language Learners	3 credits
IL	Practicum	3 credit
IL 2476	Secondary Mathematics Methods 1	3 credits
IL 2477	Secondary Mathematics Methods 2	3 credits

Spring Term

IL 2495	Internship – Mathematics	6 credits
IL 2451	Special Topics – Math Internship Seminar	1 credit
IL 2502	Students with Disabilities in Secondary Classrooms	3 credits
EDUC 2200	Disciplined Inquiry	3 credits
IL 2842	Technology	3 credits

Summer Session I

IL 2990	Research Seminar for MAT Interns	3 credits
IL 2495	Internship – Mathematics	3 credits
IL 2478	Advanced Methods	3 credits

**For further information concerning program offerings,
please contact:**

Department of Instruction and Learning
5300 Wesley W. Posvar Hall
University of Pittsburgh
Pittsburgh, PA 15260
Telephone 412-624-7254

Application Questions? Contact:

Admissions and Enrollment Services
School of Education
5500 Wesley W. Posvar Hall
University of Pittsburgh
Pittsburgh, PA 15260
Telephone 412-648-2230
Online Application available at
<http://www.education.pitt.edu/apply>