

## Mathematics Education Checklist

The University of Pittsburgh, School of Education, offers two post-baccalaureate programs for secondary Mathematics Education. The two programs are a Professional Year/MEd (PY) Program and a Master of Arts (MAT) Program. These programs provide qualified graduates with the opportunity to obtain a PA Instructional I Certificate in Mathematics Education for grades 7 through 12. Details are outlined below.

### **To be considered for admission, applicants need to have:**

- Submitted a completed SOE application form and the application fee: [www.education.pitt.edu/apply](http://www.education.pitt.edu/apply).
- Earned an undergraduate degree with a recommended GPA 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 copies of spring and summer registration forms as applicable.
- Completed the appropriate number of credit hours as required under the academic prerequisites.
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- Submitted evidence of passing scores on the *Praxis I* Pre-Professional Skills Test (PPST): reading, writing, and mathematics. For further information on the test series: <http://www.ets.org/praxis>.
- 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 resume.

### **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 Office of Admission and Enrollment Services at: 412.648.2230 or [soeinfo@pitt.edu](mailto:soeinfo@pitt.edu).

### **Professional Year/MEd (PY) Program:**

- Satisfies the requirements for a PA 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 ten hours 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 (MEd) 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 PA 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 (summer II, fall, spring, summer I) beginning in June of the admission year.
- Consists of graduate coursework in combination with an internship in a local school district from Sept. to June.\*
- Students may apply for financial aid.

*\*Compliance with all federal and PA state clearances is required before entering schools.*

## Academic Prerequisites (36 credits)

<b>Area 1: Mathematics (30 credits required)</b>				
Course No.	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

<b>Area 2: Computer Science (3 credits required)</b>				
Course No.	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*

## Education Prerequisites

For Professional Year/MEd (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.

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
ADMPS 1001 (UG) / EDUC 2100 (G)	Social Foundations of Education <i>(UG only for MAT students).</i>		Social Foundations of Education / Education and Society <i>(UG or G levels accepted as prereq for PY/MEd students*).</i>
PSYED 1001 (UG) / EDUC 2000 (G)  -----	Educational Psychology <i>(UG only for MAT students)</i>  ----- <b>OR</b> Equivalent: PSYED 1003; PSY 0405; PSY 0420; PSY 0421		Educational Psychology / Psychology of Learning and Development for Ed. <i>(UG or G levels accepted as prereq for PY/MEd students*)</i>  ----- <b>OR</b> Equivalent: PSYED 1003; PSY 0405; PSY 0420; PSY 0421; PSYED 2127
IL 1479	NOT A PREREQ FOR MAT		Introduction to Mathematics Education
IL 1580	NOT A PREREQ FOR MAT		Foundations of Special Education

\* If taken at the graduate level can be used toward the MEd after completion of the PY program.

## **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 2493	Practicum in Mathematics Education	3 credits
IL 2520	Literacy Assessment & Instruction for Children w/Disabilities in Inclusive Settings in Secondary Classrooms	3 credits

### **Spring Term**

IL 2257	Teaching English Language Learners	3 credits
IL 2502	Students with Disabilities in Secondary Classrooms	3 credits
IL 2742	Technology Workshop	3 credits
IL 2842	Student Teaching Seminar – Mathematics	1 credit
IL 2840	Student Teaching - Mathematics	5 credits

## **Master of Arts in Teaching (MAT) Option**

### **Summer Session II**

IL 2479	Introduction to Mathematics Education	3 credits
IL 2257	Teaching English Language Learners	3 credits
IL 2500	Foundations of Special Education	3 credits

### **Fall Term**

IL 2520	Literacy Assessment & Instruction for Children w/Disabilities in Inclusive Settings in Secondary Classrooms	3 credits
IL 2476	Secondary Mathematics Methods 1	3 credits
IL 2477	Secondary Mathematics Methods 2	3 credits
IL 2746	Teaching Lab - Mathematics	3 credits
IL 2495	Internship - Mathematics	3 credits

### **Spring Term**

IL 2742	Technology Workshop	3 credits
EDUC 2200	Disciplined Inquiry	3 credits
IL 2502	Students with Disabilities in Secondary Classrooms	3 credits
IL 2451	Special Topics – Math Internship Seminar	1 credit
IL 2465	Internship - Mathematics	6 credits

### **Summer Session I**

IL 24--	Advanced Methods	3 credits
IL 2990	Research Seminar for MAT Interns	3 credits
IL 2495	Internship – Mathematics	3 credits

#### **Questions? Contact:**

Office of Admissions and Enrollment Services  
School of Education  
5500 Wesley W. Posvar Hall  
University of Pittsburgh  
Pittsburgh, PA 15260  
Telephone: 412-648-2230  
Email: [soeinfo@pitt.edu](mailto:soeinfo@pitt.edu)