

Indiana University of Pennsylvania
 Department of Professional Studies in Education
Middle Level Education 4-8 Mathematics Specialization 121 credits

Students must successfully complete the prescribed 6 credits in mathematics and English, as well as first 48 credits (three semesters) to be eligible for Teacher Certification Program. Semesters 4 and 5 are interchangeable, as may be some of the math specialization courses, except for MATH 151, MATH 152, MATH 153.

FRESHMAN-----

Semester 1 - 16 credits		Semester 2 - 16 credits	
ENGL 101 College Writing	3	ENGL 121 Humanities Literature	3
COMM 103 Digital Technology	3	PHIL/RLST Philosophy/Religion	3
ECON 101/121 Principles/Macro Econ	3	SCI 105 Physical Science I	4
MATH 151 Elements of Mathematics I	3	MATH 152 Elements of Mathematics II	3
BIOL 103 General Biology I	4	MATH 153 Elements of Algebra	3

SOPHOMORE-----

Semester 3 - 15 credits		Semester 4 - 16 credits	Prof. Seq I
MATH 456 Geometry	3	MIDL 310 Instruct'al Theory and Planning	3
GEOS 101/102 Dynamic Earth	3	MIDL 221 Literature for Middle Grades	3
EDSP 102 Educational Psychology	3	MIDL 222 Reading Instruction and Assessment	3
HPED 143 Health and Wellness	3	EDUC 242 Pre-Student Tchg I	1
HIST 195 History of the Modern Era	3	MATH 317 Probability and Statistics	3
		MATH 458 Logic and Logical Games	3

JUNIOR-----

Semester 5 - 17 credits		Semester 6 - 14 credits	
ENGL 202 Research Writing	3	Professional Sequence II	
GEOG 101/102/104	3	MIDL 315 Adolescent Dev/Class Mgmt	3
PLSC 101 or 111 (Poli Sci Elective)	3	EDUC 342 Pre-Student Teaching II	1
MATH 420 Patterns and Functions	3	MATH 471 Algebra	3
ARHI 101/MUHI 101/THTR 101/DANC 102	3	MIDL 312 Science Instruction and Ass't	3
EDUC 499 Multicultural/Multiethnic Education	2	MIDL 311 Soc. Studies Instruction and Ass't	3
		EDUC 442 School Law	1

SENIOR-----

Semester 7 - 14 credits		Semester 8 - 12 credits	
EDEX 301 Ed. Student with Disabilities	2	EDUC 421 Student Teaching -	
MIDL 425 Language Arts Instruction & Ass't	3	Non-mathematics setting	5
EDSP 477 Assessment of Student Learning	3	EDUC 441 Student Teaching -	
MATH 413 Math Instruction and Ass't	3	mathematics setting	5
MATH 457 Number Theory			
Or 459 Technology			
Or MATH 461 Discrete Mathematics	3	EDUC 440 Professional Seminar	2