

**Indiana University of Pennsylvania**  
 Department of Professional Studies in Education  
 A Suggested Sequence for  
**Middle Level Education 4-8/Mathematics Specialization**  
 121 credits

Students must successfully complete the prescribed 6 credits in mathematics and English during the first 48 credits (three semesters) to be eligible for the Teacher Certification Program.

**FRESHMAN** -----

**Semester 1 - 16 credits**

ENGL 101 College Writing	3
ACE 103 Digital Technology	3
ECON 101/121 Economics	3
MATH 151 Elements of Mathematics I	3
BIOL 103/104/106	4

**Semester 2 - 16 credits**

ENGL 121 Humanities Literature	3
PHIL/RLST Philosophy/Religion	3
SCI 105 Physical Science I	4
MATH 152 Elements of Mathematics II	3
MATH 153 Elements of Algebra	3

**SOPHOMORE** -----

**Semester 3 - 16 credits**

MATH 456 Geometry	3
GEOS 101/102 Dynamic Earth	4
GEOG 101/102/104	3
ARHI 101/MUHI 101/THTR 101/DANC 102	3
MATH 471 Algebra	3

**Semester 4 - 15 credits**

ENLG 202 Research Writing	3
EDSP 102 Educational Psychology	3
MATH 420 Patterns and Functions	3
MATH 317 Prob and Stats	3
HIST 196 Explorations in US History	3

**JUNIOR** -----

**Semester 5 - 15 credits**

**Professional Sequence I**

PLSC 101 or 111 (Pol. Sci. Elective)	3
MIDL 222 Reading Instruct/Assessment	3
EDUC 242 Pre-Student Teaching I	1
MIDL 310 Learning Theory and Planning	3
MIDL 221 Literature for Middle Grades	3
EDUC 499 Multicultural/Multiethnic ED.	2

**Semester 6 - 16 credits**

**Professional Sequence II**

EDUC 342 Pre-Student Teaching II	1
MATH 458 Logic and Logical Games (night)	3
MIDL 315 Class Mgmt/Adolescent Dev	3
MIDL 312 Science Instruction & Assessment	3
MIDL 311 Social Studies Instruction & Assessment	3
EDSP 477 Assessment of Student Learning	3

**SENIOR** -----

**Semester 7 - 15 credits**

EDEX 301 Educ. of Students w/Disabilities	2
EDUC 442 School Law	1
MIDL 425 Language Arts Inst/Assessment	3
MATH 413 Math Instruction & Assessment	3
MATH 457 Number Theory or MATH 459 Technology or MATH 461 Discrete Mathematics	3
KHSS 143 Wellness	3

**Semester 8 - 12 credits**

EDUC 421 Student Teaching non-mathematics setting	6
EDUC 441 Student Teaching mathematics setting	6