

INDIANA UNIVERSITY OF PENNSYLVANIA
Professional Studies in Education
Middle Level Education 4-8/Mathematics Specialization
121 credits-November 2016

Name _____ Banner id _____

LIBERAL STUDIES REQUIREMENTS (44 cr.)

GRADE COURSE

Learning Skills: English Composition (6)

College Writing (Required for Step 1)	3	_____	ENGL 101
Research Writing (Pre-req: ENGL 101 and 29 cr.)	3	_____	ENGL 202

Learning Skills: Mathematics (6)

Elements of Mathematics I (Required for Step 1)	3	_____	MATH 151
Elements of Mathematics II (LBST elective)	3	_____	MATH 152

Humanities (9)

History:

Explorations in US History	3	_____	HIST 196
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Literature:

Humanities Literature (Required for Step 1)	3	_____	ENGL 121
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Philosophy or Religious Studies (one course):

PHIL 101, PHIL 120, PHIL 221, PHIL 222, PHIL 223 RLST 100, RLST 110, RLST 250, or RLST 290	3	_____	_____
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Fine Arts (One Course) (3)

ARHI 101, MUHI 101, THTR 101, or DANC 102	3	_____	_____
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Natural Science (8)

Physics	4	_____	SCI 105
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General Biology I	4	_____	BIOL 103/104/106
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Social Sciences (three courses) (9)

Geography course (one) GEOG 101, 102 or GEOG 104 (GEOG 104 fulfills the Global Awareness requirement)	3	_____	GEOG ____
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Political Science (one) PLSC 101 or PLSC 111 (PLSC 101 fulfills Global Awareness requirement)	3	_____	PLSC ____
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Principles or Economics/Macro 101 or 121	3	_____	ECON ____
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Health and Wellness (3) (Choose one course or the MLSC option)

Health & Wellness	3	_____	KHSS 143
Nutrition & Wellness	3	_____	FDNT 143
Healthy People	3	_____	NURS 143

OR

One year of Military Science (2 semesters: 4 cr. total)	4	_____	MLSC ____
		_____	MLSC ____

Global Awareness

(Choose one course from the approved list, if this requirement has not been met by another Liberal Studies course).

PROFESSIONAL EDUCATION REQUIREMENTS (21 cr.)

Pre-Student Teaching I (PSI)	1	_____	EDUC 242
Pre-Student Teaching II (PSII)	1	_____	EDUC 342
Educational Psychology of Learning and Assessment (Required for Step 1)	3	_____	EDSP 102
Digital Instructional Technology (Required for Step 1)	3	_____	ACE 103
School Law (must be Step I)	1	_____	EDUC 442
Professional Seminar: Teacher as Leader	2	_____	EDUC 440
Student Teaching (2 placements)			
• Placement in grades 4-8 (non-mathematics setting)	6	_____	EDUC 421
• Placement in grades 4-8 (mathematics setting)	6	_____	EDUC 441

PROFESSIONAL CORE FOR MIDDLE LEVEL (34 credits)

Instructional Theory and Planning for Instruction (PSI)	3	_____	MIDL 310
Classroom Management and Adolescent Development (PSII)	3	_____	MIDL 315
Assessment of Student Learning: Design and Interpretation of Educational Measure (after PSI)	3	_____	EDSP 477
Literature for the Middle Grades (PSI)	3	_____	MIDL 221
Reading Instruction and Assessment in Grades 4-8 (PSI)	3	_____	MIDL 222
Methods of Language Arts Instruction in Grades 4-8	3	_____	MIDL 425
Science Instruction and Assessment in Grades 4-8 (PSII)	3	_____	MIDL 312
Social Studies Instruction and Assessment in Grades 4-8 (PSII)	3	_____	MIDL 311
Multicultural/Multiethnic Education	2	_____	EDUC 499
Education of Students with Disabilities in Inclusive Secondary Settings (after PSI)	2	_____	EDEX 301
The Dynamic Earth or other 100 level geoscience	4	_____	GEOS 101/102

MIDDLE LEVEL MATHEMATICS SPECIALIZATION (30 credits)

Introductory Courses: (12 cr. total- MATH 151/152 from Liberal Studies included in 12)

*Pre-req. Math 151/152

Elements of Algebra for Middle Level Teachers	3	_____	MATH 153
Probability and Statistics for Elementary/Middle Teachers	3	_____	MATH 317
<i>Advanced Credits:</i> (18 advanced credits)			
Basic Concepts of Algebra	3	_____	MATH 471
Patterns and Functions for Elementary /Middle Level Teachers	3	_____	MATH 420
Geometry for Elementary/Middle Level Teachers	3	_____	MATH 456
Logic and Logical Games for Elementary/Middle Level Teachers	3	_____	MATH 458
Methods of Teaching Mathematics at the Middle Level (Pre-req. MIDL 315)	3	_____	MATH 413

Choice of ONE:

MATH 457: Number Theory for Elementary /Middle Level Teachers <i>or</i>	3	_____	MATH ____
MATH 461: Discrete Mathematics for Elementary/Middle <i>or</i>			
MATH 459: Technology in Elementary/Middle Level			