

INDIANA UNIVERSITY OF PENNSYLVANIA  
**Professional Studies in Education**  
**Middle Level Education 4-8/Science Specialization 121 credits**

Name \_\_\_\_\_ Banner ID \_\_\_\_\_

<b>LIBERAL STUDIES REQUIREMENTS (48 cr.)</b>	<b>GRADE</b>	<b>COURSE</b>
<u>Learning Skills: English Composition</u> (6)		
<b>College Writing</b> (Required for Step 1)	<b>3</b>	_____ <b>ENGL 101</b>
<b>Research Writing</b> (Pre-req: ENGL 101 and 29 cr.)	<b>3</b>	_____ <b>ENGL 202</b>
<u>Learning Skills: Mathematics</u> (6)		
<b>Elements of Mathematics I</b> (Required for Step 1)	<b>3</b>	_____ <b>MATH 151</b>
<b>Elements of Mathematics II</b> (LBST elec. req. Step 1)	<b>3</b>	_____ <b>MATH 152</b>
<u>Humanities</u> (9)		
History:		
<b>Explorations in US History</b>	<b>3</b>	_____ <b>HIST 196</b>
Literature:		
<b>Humanities Literature</b> (Required for Step 1)	<b>3</b>	_____ <b>ENGL 121</b>
Philosophy or Religious Studies (one course):		
<b>PHIL 101, PHIL 120, PHIL 221, PHIL 222, PHIL 223</b> <b>RLST 100, RLST 110, RLST 250, or RLST 290</b>	<b>3</b>	_____
<u>Fine Arts</u> (One Course) (3)		
<b>ARHI 101, MUHI 101, THTR 101, or DANC 102</b>	<b>3</b>	_____
<u>Natural Science</u> (12) (At least 2 of 3 prior to PSII)		
<b>Physical Science I</b>	<b>4</b>	_____ <b>SCI 105</b>
<b>General Biology I</b>	<b>4</b>	_____ <b>BIOL 103</b>
<u>Social Sciences</u> (three courses) (9)		
<b>Geography course (one)</b>		
<b>GEOG 101, GEO 102 or GEOG 104</b> (GEOG 104 fulfills the Non-Western Cultures requirement)	<b>3</b>	_____ <b>GEOG ____</b>
<b>Political Science (one)</b>		
<b>PLSC 101 or PLSC 111</b> (PLSC 101 fulfills Non-Western Cultures requirement)	<b>3</b>	_____ <b>PLSC ____</b>
<b>ECON 101/121</b>	<b>3</b>	_____ <b>ECON ____</b>
<u>Health and Wellness</u> (3) (Choose one course or the MLSC option)		
<b>Health &amp; Wellness</b>	<b>3</b>	_____ <b>HPED 143</b>
<b>Nutrition &amp; Wellness</b>	<b>3</b>	_____ <b>FDNT 143</b>
<b>Healthy People</b>	<b>3</b>	_____ <b>NURS 143</b>
<b>OR</b>		
<b>One year of Military Science (2 semesters: 4 cr. total)</b>	<b>4</b>	_____ <b>MLSC ____</b> _____ <b>MLSC ____</b>

**Non-Western Cultures**

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

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**PROFESSIONAL EDUCATION REQUIREMENTS (21 cr.)**

<b>Pre-Student Teaching I (PSI)</b>	<b>1</b>	_____	<b>EDUC 242</b>
<b>Pre-Student Teaching II (PSII)</b>	<b>1</b>	_____	<b>EDUC 342</b>
<b>Educational Psychology of Learning and Assessment</b> (Required for Step 1)	<b>3</b>	_____	<b>EDSP 102</b>
<b>Digital Instructional Technology</b> (Required for Step 1)	<b>3</b>	_____	<b>COMM 103</b>
<b>School Law</b> (must be Step 1)	<b>1</b>	_____	<b>EDUC 442</b>
<b>Student Teaching (2 placements)</b>			
• <b>Placement in grades 4-6 (non-science setting)</b>	<b>5</b>	_____	<b>EDUC 421</b>
• <b>Placement in grades 6-8 (Science setting)</b>	<b>5</b>	_____	<b>EDUC 441</b>
<b>Professional Seminar</b>	<b>2</b>	_____	<b>EDUC 440</b>

**PROFESSIONAL CORE FOR MIDDLE LEVEL (34 credits)**

<b>Instructional Theory and Planning (PSI)</b>	<b>3</b>	_____	<b>MIDL 310</b>
<b>Adolescent Development and Classroom Management (PSII)</b>	<b>3</b>	_____	<b>MIDL 315</b>
<b>Assessment of Student Learning: Design and Interpretation of Educational Measure</b> (after PSI)	<b>3</b>	_____	<b>EDSP 477</b>
<b>Reading Instruction and Assessment in Grades 4-8 (PSI)</b>	<b>3</b>	_____	<b>MIDL 222</b>
<b>Literature for the Middle Grades (PSI)</b>	<b>3</b>	_____	<b>MIDL 221</b>
<b>Language Arts Instruction and Assessment in Grades 4-8</b>	<b>3</b>	_____	<b>MIDL 425</b>
<b>Science Instruction and Assessment in Grades 4-8 (PSII)</b>	<b>3</b>	_____	<b>MIDL 312</b>
<b>Social Studies Instruction and Assessment in Grades 4-8 (PSII)</b>	<b>3</b>	_____	<b>MIDL 311</b>
<b>Methods of Teaching Mathematics at the Middle Level</b>	<b>3</b>	_____	<b>MATH 413</b>
<b>Probability and Statistics for Elementary/Middle Teachers</b>	<b>3</b>	_____	<b>MATH 317</b>
<b>Multicultural/Multiethnic Education</b>	<b>2</b>	_____	<b>EDUC 499</b>
<b>Education of Students with Disabilities in Inclusive Middle Level Settings</b> (after PSI)	<b>2</b>	_____	<b>EDEX 301</b>

**MIDDLE LEVEL SCIENCE SPECIALIZATION (30 credits)*****Introductory Courses:* (16 credits (8 credits with SCI 105 and BIOL 103))**

<b>College Chemistry I</b>	<b>4</b>	_____	<b>CHEM 101</b>
<b>The Dynamic Earth or four credits of GEOS</b> -required by PDE	<b>4</b>	_____	<b>GEOS 101/102</b>

***Advanced Courses:* (14 Advanced Credits)**

<b>College Chemistry II</b>	<b>4</b>	_____	<b>CHEM 102</b>
<b>Environmental Science, Biotic Diversity, Emerging Diseases, or Genetics in Modern Society</b>	<b>3</b>	_____	<b>BIOL ____</b>
<b>Geology of National Parks/Age of Dinosaurs</b>	<b>3</b>	_____	<b>GEOS ____</b>
<b>Medical Physics/Lab</b>	<b>4</b>	_____	<b>PHYS 151/161</b>