

[illegible]

## Major for Teaching Physics (ADPH – EDPH)

*Illinois certification qualifies teaching in Physics, Biology, Chemistry,  
Earth & Space Science and Environmental Science,  
but only Physics at the honors or AP level.*

Required Courses		
Course Number	Course Name	Credits
PHYS-201PN,I	Basic Physics I	3
PHYS-202PN,I	Basic Physics II	3
PHYS-203	Basic Physics III	3
PHYS-220	Intro. to Scientific Research & Engineering	1
PHYS-301	Introduction to Modern Physics	3
PHYS-308	Electronic Circuits	3
PHYS-313	Thermodynamics	3
PHYS-320	Mechanics I	3
PHYS-350	Advanced Laboratory I	1
PHYS-351	Advanced Laboratory II	1
PHYS-352	Advanced Laboratory III	1
PHYS-360	Optics	3
<b>Total Credits – Physics</b>		<b>28</b>
Required Supporting Math Courses		
MATH-219Q	Calculus I	3
MATH-220Q	Calculus II	3
MATH-221	Calculus III	3
<b>Total Credits – Math</b>		<b>9</b>

Required Supporting Courses			
Course Number		Course Name	Credits
	BIOL-200PN	General Zoology	3
	BIOL-210	Cell Biology	3
	BIOL-220	General Botany	3
	CHEM-121PN,I	General Chemistry 1	3
	CHEM-122PN,I	General Chemistry 2	3
	CHEM-123	General Chemistry 3	3
	GEOG-101PN,I	Global Weather & Climate Systems	3
	GEOL-101PN,I	Physical Geology	3
	GEOG-103PN,I	Water and Land Resources	3
	GEOL-115PN,I	Environmental Geology	
	ASTR-315PN	Stars, Nebulae and Galaxies	3
Total Credits – Required Other Supporting Courses			30
Grand Total Credits – Science & Math			67

Notes:

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# Physics – Tentative Schedule

FALL		WINTER		SPRING		SUMMER	Take...
LSFY 101	3	LSFY 102	3	LSFY 103	3		PSYC-100
							POLS-101
							HIST-13x
							Foreign Lang.
							PA
							PE, PE
							Q
Total Credits		Total Credits		Total Credits		Total Credits	
		EDUC 300 <small>Educ. Psychology</small>	3	EDUC 330* <small>Assess Learning</small>	3		RELG 201, 203, 205, 207 or 209
		PSYC 214 <small>Adolescent Dev</small>	3				PN/I
<i>Basic Skills Test*</i>		<i>TB Test*</i>					*Linked to EDUC 300
Total Credits		Total Credits		Total Credits		Total Credits	
EDUC 380 <small>General Methods</small>	3			EDUC 38_ <small>Subject Methods</small>	3		
EDUC 340* <small>Inclusion</small>	3	EDUC 310 <small>Computers</small>	2				
		EDUC 396** <small>Middle Sch Clin</small>	1	EDUC 397** <small>HS Clinical</small>	1		
EDUC 412	3						
				<i>Content Test before ST</i>			
Total Credits		Total Credits		Total Credits		Total Credits	
							3151/2011
EDUC 422 <small>Seminar</small>	1	EDUC 450 <small>School and Society</small>	3				
INTR-EDA90 <small>Student Teaching</small>	9						
		<i>APT before graduation</i>					
Total Credits		Total Credits		Total Credits		Total Credits	

\*If EDUC-300 is taken in fall instead of winter, then 330 and 340 should also move up a term.

\*\*If Student Teaching is in winter, then clinicals move to spring and fall.

## General Education Requirements & Education Required Supporting Courses

		<b>Perspectives on the Arts (PA)</b> THEA-141 or THEA-240 <b>Recommended</b>	
EDUC-450		<b>Perspectives on Human Existence and Values (PH)</b> EDUC-450 Required; ENGL-237, RELG-326, or RELG-327 <b>Recommended</b>	
PSYC-100	POLS-101	<b>Perspectives on Individuals and Society (PS)</b> Psyc-100 and POLS-101 <b>Required</b> POLS101AP does not count toward Perspectives but does count toward Education requirements	
		<b>Perspectives on Literature and Texts (PL)</b>	
		<b>Perspectives on the Past (PP)</b> HIST-130, -131, -132, -335, -373 <b>or</b> upper division US History <b>REQUIRED.</b> US HIST AP <i>does not</i> count toward Perspectives but <i>does</i> count toward Education	
Phys-201	BIOL-200	<b>Perspectives on the Natural World (PN)</b>	
<b>Please Note:</b> In the above courses, the second course in 3 of the Perspectives must be a different subject code from the first. No more than 2 courses with the same subject code overall can count toward the Perspectives group.			
		<b>HEPE:</b> 2 activity courses	
		<b>Learning Community</b> (HONR-220, 221, 222 or international term qualify)	
	<b>Christian Traditions:</b> RELG-201(PS), 203(PH), 205(PP), 207(PL) or 209(PH) or Logos/Foundations with RELG professor		
MATH-220	<b>Quantitative Reasoning (Q)</b>		<b>Diversity (D)</b>
	<b>PSYCH-214</b> (Pre-requisite for EDUC-340)		<b>Global (G)</b>
		<b>Foreign Language</b> (9 hours equivalent)	

### Professional Sequence (35 Credits)

- ☐ EDUC-300 Educational Psych & Measurement (3)
- ☐ EDUC-330 Assessing Learning (3)
- ☐ EDUC-340 Methods of Inclusion (3)
- ☐ EDUC-310 Computers in Education (2)
- ☐ EDUC-380 Secondary: General Methods (3)
- ☐ EDUC-386 Methods 6-12 Science (3)
- ☐ EDUC-396 Clinical Experience 6-8 (1)
- ☐ EDUC-397 Clinical Experience 9-12 (1)
- ☐ EDUC-412 Methods 6-12 Literacy (3)
- ☐ INTR-EDA90 Student Teaching 6-12 (9)
- ☐ EDUC-422 Classroom Management Seminar (1)
- ☐ EDUC-450 School and Society (3)

### Illinois Teacher Testing Requirements

- ☐ **Basic Skills Test** (required to enter the program)  
**TAP:** Pass each of the 4 subtests  
**ACT Plus Writing's** minimum scores
  - through 8/30/15: 22 with 19 on English/Writing
  - 9/1/15 – 8/30/16: 22 with 16 on Writing
  - starting 9/1/16: 22 with 6 on Writing**SAT's** minimum scores
  - through 2/29/16: 1030 (CR+Math) with 450 on Writing
  - starting 3/1/16: 1110 (ERW+Math) with 26 on Writ/Lang
- ☐ **Content Test** (required before student teaching; required for program completion)
- ☐ **edTPA** Completed during Student Teaching (Required for licensure)

### Program Deviations: