

Program is under revision to meet the emerging Indiana Rules for Educator Preparation and Accountability (REPA) requirements. Please see an education advisor for more details.

This program sheet is effective for all students starting at IUB beginning summer 2015.



INDIANA UNIVERSITY

SCHOOL OF EDUCATION  
Office of Teacher Education  
Bloomington

## B.S. EDUCATION: ELEMENTARY EDUCATION: THEORY INTO PRACTICE

The Bachelor of Science in Elementary Education leads to a generalist license to teach in grades K-6. Course requirements for this program are valid at IUB as reflected in the School of Education Bulletin. A 4 year college plan of 120 credits requires completion of 15 credits each semester. The following are required for retention, student teaching and graduation: a 2.0 GPA in each content area; a 2.5 GPA in the Professional Education, Area of Concentration and overall; and a grade of C or higher in each Professional Education and each Area of Concentration course.

May 2015

### GENERAL EDUCATION REQUIREMENTS

<http://gened.iub.edu/courses/genedcourses.html>

(Careful selection & completion of courses with a "C" or higher grade may allow double counting within General Education, Professional Education &/or Content Field.)

	<b>Credits</b>
<b>1. Foundations</b>	
• English Composition ( <b>EC</b> )	3
• Mathematical Modeling ( <b>MM</b> )	3
<b>2. Breadth of Inquiry</b>	
• Arts & Humanities ( <b>A&amp;H</b> )	6
• Social & Historical Studies ( <b>S&amp;H</b> )	6
• Natural & Mathematical Sciences ( <b>N&amp;M</b> )	5-6
• Option I: Two courses with one a Natural Science ( <b>NS</b> ) OR	
• Option II: One 5 hr Science with a lab ( <b>LAB</b> )	
<b>3. World Languages &amp; Cultures</b>	6
○ Option I: Language Study ( <b>WL</b> ) OR	
○ Option II: World Culture ( <b>WC</b> ) OR	
○ Option III: International Experience ( <b>IE</b> )	
<b>4. Shared Goals for the School of Education</b>	
• Intensive Writing ( <b>IW</b> ) (EDUC-H 205 or H 340)	3
• Information Fluency ( <b>IF</b> ) (EDUC-W 200)	3
• Diversity in the United States ( <b>D</b> ) (EDUC-E 300)	3
• Enriching Educational Experiences ( <b>EEE</b> ) (EDUC-M 425)	13

### PREREQUISITES FOR AUTHORIZED COURSES

(Competitive enrollment. Meeting minimum requirements does not guarantee enrollment in authorized courses.)

- Students may satisfy the Academic Skills Assessment requirement by using any of the following options:
  - Qualifying scores on CASA
    - Reading 220, Math 220, Writing 220
  - SAT combined score of at least 1100
    - Sum of MA + VE = 1100
  - ACT composite score of at least 24
    - Sum of EN + MA + RE + SR scores divided by 4 = 24
- 2.5 GPA overall.
- Applicants must have completed or be enrolled in 26+ credits of coursework including the following:

<b>Courses</b>	<b>Credits</b>
• Elementary School Child (EDUC-P 248)	3
• Educational Psychology for Elem Teachers & Lab/Field Experience (EDUC-P 251 & M 101) <b>(To enroll in P251 and M101 you must register for EDUC-BE 251)</b>	4
• Technology (EDUC-W 200)	3
• Math 1 (EDUC-N 101 or MATH-T 101)	3
• Math 2 (MATH-M/S/V118 or D116 & D117 or MATH-T102 or EDUC-N102) <b>OR</b> Math 3 (EDUC-N 103 or MATH-T 103)	3-4
• Scientific Inquiry (EDUC-Q 200)	3
• Science (See BIOL/GEOL/PHYS list on Page 2)	3
4. Apply to TEP by October 1 for Spring term or March 1 for Fall term permission to take authorized Cluster courses.	
5. Submit TEP Application Online: <a href="https://info.educ.indiana.edu/teachered/">https://info.educ.indiana.edu/teachered/</a>	

### I. CONTENT REQUIREMENTS

42-46 credits

#### Language Arts (2.0 GPA) 6-9 credits

<b>Oral Expression (Select one) (Grade of C or higher required)</b>		
ANTH-A 122	<i>Interpersonal Communication</i> ( <b>S&amp;H</b> )	3
COLL-P 155	<i>Public Oral Communication</i>	3
EDUC-G 203	<i>Comm. for Youth Serving Professionals</i> ( <b>S&amp;H</b> )	3

#### English Composition (EC) (Select one) (Grade of C or higher required)

CMLT-C 110	<i>Writing the World</i>	3
ENG-W 131	<i>Reading, Writing &amp; Inquiry</i> <b>OR</b>	3
ENG-W 131EX	<i>Elementary Composition-Exempt</i>	0
ENG-W 170	<i>Intro to Argumentative Writing-Projects in Reading &amp; Writing</i>	3

#### American/World Literature (Select one)

AAAD-A 379	<i>Early Black American Writing</i>	3
CMLT-C 340	<i>Women in World Literature</i>	3
ENG-L 111	<i>Discovering Literature</i> ( <b>A&amp;H</b> )	3
ENG-L 203	<i>Introduction to Drama</i> ( <b>A&amp;H</b> )	3
ENG-L 204	<i>Introduction to Fiction</i> ( <b>A&amp;H</b> )	3
ENG-L 205	<i>Introduction to Poetry</i> ( <b>A&amp;H</b> )	3
ENG-L 206	<i>Introduction to Prose (Excluding Fiction)</i> ( <b>A&amp;H</b> )	3
ENG-L 210	<i>Studies in Popular Lit &amp; Mass Media</i> ( <b>A&amp;H</b> )	3
ENG-L 213	<i>Literary Masterpieces I</i> ( <b>A&amp;H</b> )	3
ENG-L 214	<i>Literary Masterpieces II</i> ( <b>A&amp;H</b> )	3
ENG-L 224	<i>Introduction to World Lit in English</i> ( <b>A&amp;H</b> ) ( <b>WC</b> )	3
ENG-L 240	<i>Literature &amp; Public Life</i> ( <b>A&amp;H</b> )	3
ENG-L 357	<i>Twentieth Century American Poetry</i>	3
ENG-L 358	<i>American Literature 1914-1960</i>	3
ENG-L 364	<i>Native American Literature</i>	3
ENG-L 369	<i>Studies in British &amp; American Authors</i>	3

#### Fine Arts (2.0 GPA) 6 credits

<b>Music</b>		
MUS-E 241	<i>Intro to Music Fundamentals</i>	3
<b>Art (Select one)</b>		
EDUC-M 135	<i>Individualized Instruction in Art</i>	3
EDUC-M 200	<i>Artifacts &amp; Museums in Everyday Life</i> ( <b>A&amp;H</b> )	3
FINA-N 110	<i>Intro to Studio Art for Non-majors</i> ( <b>A&amp;H</b> )	3

#### Mathematics (2.0 GPA) 9-10 credits

EDUC-N 101	<i>Teach &amp; Learn Elem School Math</i> <b>OR</b>	3
MATH-T 101	<i>Mathematics for Elem. Teachers I</i>	
MATH-M/S/V 118	<i>Finite Mathematics</i> ( <b>MM</b> ) <b>OR</b>	3
MATH-D116/D117	<i>Intro. to Finite Math I &amp; II</i> ( <b>MM</b> ) <b>OR</b>	4
EDUC-N 102	<i>Teach &amp; Learn Elem School Math I (P: EDUC-N101 or MATH-T101 with a C or better)</i> <b>OR</b>	3
MATH-T 102	<i>Mathematics for Elem Teachers II (P: EDUC-N101 or MATH-T101 with a C or better)</i>	3
EDUC-N 103	<i>Teach &amp; Learn Elem School Math II (P: EDUC-N101 or MATH-T101 with a grade of C or higher)</i> <b>OR</b>	3
MATH-T 103	<i>Mathematics for Elem. Teachers III (P: EDUC-N101 or MATH-T101 with a grade of C or higher)</i>	3

<b>Science (2.0 GPA)</b>		<b>12 credits</b>
BIOL-Q 201	Biological Science for Elem. Teachers (P: EDUC-Q 200)	3
EDUC-Q 200	Intro to Scientific Inquiry	3
GEOL-G 105	Earth: Our Habitable Planet <b>(N&amp;M) (NS)</b>	3
PHYS-P 199	Physical Science through Inquiry <b>(N&amp;M) (NS)</b>	3

<b>Social Studies (2.0 GPA)</b>		<b>9 credits</b>
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**U.S. History (Select one)**

HIST-H 105	American History I <b>(S&amp;H)</b>	3
HIST-H 106	American History II <b>(S&amp;H)</b>	3

**World Civilization (Select one)**

FOLK-F 111	World Music & Culture <b>(A&amp;H) (WC)</b>	3
GEOG-G 120	Regions of the World <b>(S&amp;H)</b>	3
HIST-B 200	Issues in Western European History <b>(S&amp;H) (WC)</b>	3
HIST-H 101	World in 20th Century I <b>(S&amp;H) (WC)</b>	3
HIST-H 102	World in 20th Century II <b>(S&amp;H) (WC)</b>	3
HIST-H 103	Europe: Renaissance to Napoleon <b>(S&amp;H) (WC)</b>	3
HIST-H 104	Europe: Napoleon to Present <b>(S&amp;H) (WC)</b>	3
HIST-H 205	Ancient Civilization <b>(S&amp;H) (WC)</b>	3
HIST-H 206	Medieval Civilization <b>(S&amp;H) (WC)</b>	3
INTL-I 203	Global Development <b>(S&amp;H) (WC)</b>	3
INTL-I 206	Identity & Conflict <b>(S&amp;H) (WC)</b>	3

**Social Studies Elective (Select one not already taken)**

HIST-B 200	Issues in Western European History <b>(S&amp;H) (WC)</b>	3
HIST-C 210	Making of the Modern Middle East <b>(S&amp;H) (WC)</b>	3
HIST-H 101	World in 20th Century I <b>(S&amp;H) (WC)</b>	3
HIST-H 102	World in 20th Century II <b>(S&amp;H) (WC)</b>	3
HIST-H 103	Europe: Renaissance to Napoleon <b>(S&amp;H) (WC)</b>	3
HIST-H 104	Europe: Napoleon to Present <b>(S&amp;H) (WC)</b>	3
HIST-H 205	Ancient Civilization <b>(S&amp;H) (WC)</b>	3
HIST-H 206	Medieval Civilization <b>(S&amp;H) (WC)</b>	3
HIST-H 211	Latin American Culture & Civilization I <b>(S&amp;H) (WC)</b>	3
INTL-I 100	Intro to International Studies <b>(S&amp;H) (WC)</b>	3
INTL-I 203	Global Development <b>(S&amp;H) (WC)</b>	3
INTL-I 204	Human Rights & International Law <b>(S&amp;H) (WC)</b>	3
INTL-I 206	Identity & Conflict <b>(S&amp;H) (WC)</b>	3
LTAM-L 210	The Latin American Experience <b>(S&amp;H) (WC)</b>	3
NELC-N 204	Topics in Middle Eastern Culture & Society <b>(S&amp;H) (WC)</b>	3

**II. PROFESSIONAL EDUCATION**

**68 credits/2.5 GPA**

(Grade of C or higher required in each EDUC course listed below prior to student teaching.)

<b>TEP Prerequisite Education Courses</b>		<b>10 credits</b>
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EDUC-P 248	Elem School Child: Physical, Emotional & Social Development <b>(S&amp;H)</b>	3
EDUC-P 251	Ed Psy for Elem Teachers <b>AND</b>	3
EDUC-M 101	Lab/Field Experience <b>(To enroll in P251 and M101 you must register for EDUC-BE 251)</b>	1
EDUC-W 200	Using Computers in Education <b>(IF)</b>	3

<b>Non-Authorized Courses</b>		<b>15 credits</b>
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**(Must be completed before student teaching)**

EDUC-A 308	Legal & Ethical Issues for Teachers (P: Soph standing)	3
EDUC-E 300	Elem. Ed. for a Pluralistic Society (P: Soph. standing) <b>(D)</b>	3
EDUC-H 205	Introduction to Educational Thought (R: English comp) <b>(S&amp;H) (IW) OR</b>	3
EDUC-H 340	Education & American Culture (English comp & Soph. standing) <b>(IW)</b>	3
EDUC-M 323	Teaching of Music in the Elem School (P: MUS-E241)	2
EDUC-M 333	Art Experiences for the Elem Teacher	2

(P: Fine Arts: art course)

SPH-K 290	Movement Exp. For Pre & Elem School Children (Formerly HPER- P290)	2
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<b>Authorized Courses</b>		<b>43 credits</b>
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**Courses must be taken in prescribed clusters. Successful completion (C or higher grade) of all courses in each cluster is a prerequisite for the next cluster and student teaching. Clusters must be completed in sequence, without interruption, from one semester to the next. Students may add an additional semester(s) between the completion of the Social Studies Cluster and Student Teaching.**

<b>Cluster I: Language Arts &amp; Reading I</b>		<b>8 credits</b>
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EDUC-E 339	Methods of Teach Lang. Arts in Elem.	3
EDUC-E 340	Methods of Teaching Reading I	3
EDUC-M 301	Lab/Field Experience	2

<b>Cluster II: Math &amp; Science</b>		<b>11 credits</b>
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**P: Q200 and at least one of the three required science courses: BIOL-Q201, GEOL-G105, or PHYS-P199**

**P: Math 1 (MATH-T 101 or EDUC-N 101)**  
**P: Math 2 (MATH-M/S/V118 or D116 & D117 or MATH-T102 or EDUC-N102)**

EDUC-E 328	Science in Elem Schools	3
EDUC-E 343	Mathematics in Elementary Schools	3
EDUC-M 201	Lab/Field Experience	2
EDUC-K 305	Teaching the Exceptional Learner	3

<b>Cluster III: Social Studies &amp; Reading Instruction</b>		<b>9 credits</b>
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EDUC-E 325	Social Studies in Elementary Schools	3
EDUC-M 401	Lab/Field Experience	3
EDUC-X 460	Books for Reading Instruction	3

<b>Student Teaching</b>		<b>15 credits</b>
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**Students may not enroll in other classes while completing student teaching. (Except: EDUC-M 202 Job Search Strategies for Educators)**

EDUC-M 420	Student Teaching Seminar	2
EDUC-M 425	Student Teaching Elem (15 weeks) <b>(EEE)</b>	13

<b>III. AREA OF CONCENTRATION, ACADEMIC MINOR OR LICENSE ADDITION</b>	
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**15-32 credits/2.5 GPA**

**(Select one) (Grade of C or higher required in each course.)**

<b>Areas of Concentration that meet the 120 hr requirement</b>		<b>credits</b>
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• Language Arts (Elem. Comp. & Am/World Lit. Double Count)	15
• The Arts (Music Fundamentals & Art Options Double Count)	15
• Math (Math series N/T101, N/T102 & N/T 103 Double Count)	15
• Science (Biology, Geology & Physics Double Count)	15
• Social Studies (US History, World Civ. & Social Studies Elective Double Count)	15
• Health Education (NOTE: It will take more than 120 hrs to complete this Area of Concentration)	15

<b>Academic Minors that require more than 120 hrs</b>	
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• Astronomy	17	• Geography	15	• Political Sci.	18
• Biology	15	• Geology	15	• Psychology	15-19
• Chemistry	17	• History	15	• Sociology	15
• Economics	18	• Math	16	• World Lang.	15
• English	15	• Physics	18	(FRN, GER or HISP)	
• Fine Arts- Studio Art	21				

<b>License Additions that require more than 120 hrs</b>	
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• Computer Educator	21
• English as a New Language	22
• Mathematics for Middle School	32
• Reading	18

<b>IV. ELECTIVES</b>	
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## ELEMENTARY EDUCATION: AREA OF CONCENTRATION, ACADEMIC MINOR OR LICENSE ADDITION

Choose **ONE** subject area to study in depth as an Area of Concentration, Academic Minor or License Addition. Courses completed in the Content Area **can double count** in the Area of Concentration, Academic Minor or License Addition. A "C" or higher grade is required in each course. You must maintain a 2.5 GPA in the area you select.

Check the College of Arts & Sciences Bulletin for pre-requisite courses.

**NOTE:** The Area of Concentration is not intended to be a subject specific teaching license. It **will not** appear on your academic transcript or on the teaching license.

May 2015

### Areas of Concentration

(The Areas of Concentration listed below (Exception: Health Education) incorporate 5-9 credit hours of course work that double count in the content area and the area of concentration which will allow the student to complete the program in 120 hrs.)

#### Language Arts (2.5 GPA) 15 credits

EDUC-E 341	<i>Methods of Teaching Reading II</i> (P: EDUC-E340)	3
EDUC-X 470	<i>Psycholinguistics for Teachers of Reading</i>	3

Complete **1** of the following: (If exempt from taking ENG-W131 due to ACT/SAT scores, complete CMLT-C110 or ENG-W170)

CMLT-C 110	<i>Writing the World (EC)</i>	3
ENG-W 131	<i>Elementary Composition (EC)</i>	3
ENG-W 170	<i>Projects in Reading &amp; Writing (EC)</i>	3

Complete **2** of the following:

AAAD-A 379	<i>Early Black American Writing</i>	3
CMLT-C 340	<i>Women in World Literature</i>	3
ENG-L 111	<i>Discovering Literature (A&amp;H)</i>	3
ENG-L 203	<i>Introduction to Drama (A&amp;H)</i>	3
ENG-L 204	<i>Introduction to Fiction (A&amp;H)</i>	3
ENG-L 205	<i>Introduction to Poetry (A&amp;H)</i>	3
ENG-L 206	<i>Introduction to Prose (Excluding Fiction) (A&amp;H)</i>	3
ENG-L 210	<i>Studies in Popular Lit &amp; Mass Media (A&amp;H)</i>	3
ENG-L 213	<i>Literary Masterpieces I (A&amp;H)</i>	3
ENG-L 214	<i>Literary Masterpieces II (A&amp;H)</i>	3
ENG-L 224	<i>Introduction to World Lit in English (A&amp;H) (WC)</i>	3
ENG-L 240	<i>Literature &amp; Public Life (A&amp;H)</i>	3
ENG-L 357	<i>Twentieth Century Am. Poetry</i>	3
ENG-L 358	<i>American Literature 1914-1960</i>	3
ENG-L 364	<i>Native American Literature</i>	3
ENG-L 369	<i>Studies in British &amp; American Authors</i>	3

#### The Arts (2.5 GPA) 15 credits

EDUC-M 235	<i>Looking At &amp; Talking About Art</i>	3
EDUC-M 335	<i>Method &amp; Materials of Music: K-12</i>	3
MUS-E 241	<i>Intro to Music Fundamentals</i>	3

Complete **2** of the following:

EDUC-M 135	<i>Individualized Instruction in Art</i>	3
EDUC-M 200	<i>Artifacts &amp; Museums in Everyday Life (A&amp;H)</i>	3
FINA-N 110	<i>Intro to Studio Art for Non-majors (A&amp;H)</i>	3

#### Mathematics (2.5 GPA) 15-16 credits

MATH-M/S/V 118	<i>Finite Mathematics (MM) OR</i>	3
MATH-D 116	<i>Intro. to Finite Math I AND</i>	2
MATH-D 117	<i>Intro to Finite Math II</i>	2
	(P: MATH-D116) (MM)	
EDUC-N 101	<i>Teach &amp; Learn Elem School Math OR</i>	3
MATH-T 101	<i>Mathematics for Elem. Teachers I</i>	
MATH-M 119	<i>Brief Survey of Calculus I (N&amp;M) OR</i>	3
MATH-M 211	<i>Calculus I (N&amp;M) OR</i>	4
EDUC-N 102	<i>Teach &amp; Learn Elem School Math II</i>	3
EDUC-N 103	<i>Teach &amp; Learn Elem School Math II</i>	3
	(P: EDUC-N101 or MATH-T101 with a grade of C or higher) OR	
MATH-T 103	<i>Mathematics for Elem. Teachers III</i>	3
	(P: EDUC-N101 or MATH-T101 with a grade of C or higher)	
EDUC-N 443	<i>Teaching Elementary Math Problem Solving</i>	3
	(P/C: EDUC-E343) (Spring only)	

#### Science (2.5 GPA) 15-17 credits

AST-A 100	<i>The Solar System (N&amp;M) OR</i>	3
CHEM-C 100	<i>The World as Chemistry (N&amp;M)</i>	3
BIOL-Q 201	<i>Biological Science for Elem. Teachers (P: EDUC-Q 200)</i>	3
GEOL-G 105	<i>Earth: Our Habitable Planet (N&amp;M) (NS)</i>	3
PHYS-P 199	<i>Physical Science through Inquiry (N&amp;M)</i>	3
EDUC-Q 405	<i>Integrated Sciences for Science Education</i>	3
	(P: EDUC-E328)	

<b>Social Studies (2.5 GPA)</b>	<b>15 credits</b>
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**Required (Complete both)**

GEOG-G 110	<i>Introduction to Human Geography (S&amp;H)</i>	3
POLS-Y 103	<i>Introduction to American Politics (S&amp;H)</i>	3

**U.S. History (Select one)**

HIST-H 105	<i>American History I (S&amp;H)</i>	3
HIST-H 106	<i>American History II (S&amp;H)</i>	3

**World Civilization (Select one)**

FOLK-F 111	<i>World Music &amp; Culture (A&amp;H, WC)</i>	3
GEOG-G 120	<i>Regions of the World (S&amp;H)</i>	3
HIST-B 200	<i>Issues in Western European History (S&amp;H, WC)</i>	3
HIST-H 101	<i>World in 20th Century I (S&amp;H, WC)</i>	3
HIST-H 102	<i>World in 20th Century II (S&amp;H, WC)</i>	3
HIST-H 103	<i>Europe: Renaissance to Napoleon (S&amp;H, WC)</i>	3
HIST-H 104	<i>Europe: Napoleon to Present (S&amp;H, WC)</i>	3
HIST-H 205	<i>Ancient Civilization (S&amp;H/WC)</i>	3
HIST-H 206	<i>Medieval Civilization (S&amp;H, WC)</i>	3
INTL-I 203	<i>Global Development (S&amp;H, WC)</i>	3
INTL-I 206	<i>Identity &amp; Conflict (S&amp;H, WC)</i>	3

**Social Studies Elective (Select one not taken above)**

HIST-B 200	<i>Issues in Western European History (S&amp;H, WC)</i>	3
HIST-C 210	<i>Making of the Modern Middle East (S&amp;H, WC)</i>	3
HIST-H 101	<i>World in 20th Century I (S&amp;H, WC)</i>	3
HIST-H 102	<i>World in 20th Century II (S&amp;H, WC)</i>	3
HIST-H 103	<i>Europe: Renaissance to Napoleon (S&amp;H, WC)</i>	3
HIST-H 104	<i>Europe: Napoleon to Present (S&amp;H, WC)</i>	3
HIST-H 205	<i>Ancient Civilization (S&amp;H/WC)</i>	3
HIST-H 206	<i>Medieval Civilization (S&amp;H, WC)</i>	3
HIST-H 211	<i>Latin American Culture &amp; Civilization I (S&amp;H, WC)</i>	3
INTL-I 100	<i>Intro to International Studies (S&amp;H, WC)</i>	3
INTL-I 203	<i>Global Development (S&amp;H, WC)</i>	3
INTL-I 204	<i>Human Rights &amp; International Law (S&amp;H, WC)</i>	3
INTL-I 206	<i>Identity &amp; Conflict (S&amp;H, WC)</i>	3
LTAM-L 210	<i>The Latin American Experience (S&amp;H, WC)</i>	3
NELC-N 204	<i>Topics in Middle Eastern Culture &amp; Society (S&amp;H, WC)</i>	3

<b>Health Education (2.5 GPA)</b>	<b>15 credits</b>
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(NOTE: This Area of Concentration will require the student to take more than 120 hrs to complete the program.)

SPH-H 160	<i>First Aid &amp; Emergency Care</i>	3
SPH-H 263	<i>Personal Health (S&amp;H)</i>	3
SPH-H 414	<i>Health Education in Pre-K to Grade 6</i>	3
SPH-H 464	<i>Coordinated School Health Programs (P: SPH-H 414)</i>	3

**Elective (Select one)**

SPH-F 255	<i>Human Sexuality (S&amp;H)</i>	3
SPH-F 341	<i>Effects of Divorce on Children</i>	3
SPH-H 150	<i>Children's Health Up to Age 5</i>	3
SPH-H 174	<i>Prevention of Violence in American Society (S&amp;H)</i>	3
SPH-H 180	<i>Stress Prevention &amp; Management</i>	3
SPH-H 220	<i>Death &amp; Dying (S&amp;H)</i>	3
SPH-H 235	<i>Health &amp; Obesity (S&amp;H)</i>	3
SPH-H 315	<i>Consumer Health</i>	3
SPH-H 318	<i>Drug Use in American Society</i>	3
SPH-N 220	<i>Nutrition for Health</i>	3
SPH-N 231	<i>Human Nutrition (N&amp;M) (P: CHEM-C 101 or equivalent; a course in biology)</i>	3

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**Academic Minors**

(A student may choose to complete one of the Academic Minors listed below but it will require the completion of more than 120 hrs.)

Course requirements for each minor listed below can be found in the College of Arts & Sciences Bulletin (Exception: Health Education: See an Education Advisor for details.)

<u>Minor</u>	<u>credits</u>	<u>Minor</u>	<u>credits</u>
• Astronomy	17	• History	15
• Biology	15	• Math	16
• Chemistry	17	• Physics	19
• Economics	18	• Political Sci.	18
• English	15	• Psychology	15
• Fine Arts-Studio Art	21	• Sociology	15
• Geography	15	• World Lang. (FRN, GER or HISP)	15
• Geology	15		

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**License Additions**

(A student may choose to complete a License Addition but it will require the completion of more than 120 hrs.)

See individual license addition program sheets for details. ( <a href="http://education.indiana.edu/license-development/licensing/license-additions.html">http://education.indiana.edu/license-development/licensing/license-additions.html</a> )
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This program sheet is effective for all students starting at IUB beginning summer 2015.



INDIANA UNIVERSITY

SCHOOL OF EDUCATION  
Office of Teacher Education  
Bloomington

## ELEMENTARY EDUCATION: ACADEMIC MINOR

- Choose **ONE** subject area to study in depth as an Academic Minor.
- Courses completed in the Content Area **can double count** in the Academic Minor.
- The completion of an Academic Minor will require you to complete more than 120 credit hours for your degree.
- Check the College of Arts & Sciences Bulletin for pre-requisite courses.
- Unless otherwise stated, at least 9 credit hours of the minor must be taken in residence on the Bloomington campus.
- A "C" or higher grade is required in each course. You must maintain a 2.5 GPA in the area you select.
- Students will work with an advisor in the Department from which the minor is awarded to determine required coursework.

**NOTE:** The Academic Minor is not intended to be a subject specific teaching license. It **will** appear on the academic transcript but not on the teaching license.

May 2015

### Astronomy (17 credits) (AST)

- AST-A 221, A222
- PHYS-P 301 and
- Two of AST-A305, A320, A450, A451, A452, or A453.

A student must take all necessary prerequisites, including some mathematics and physics classes.

Students may substitute one 300-400 level astronomy course and or PHYS-P 301 with other 300-400 level courses in related fields (physics, mathematics, or computer science) with the permission of the School of Education Academic Standards Committee.

### Biology (Non-science Majors) (18 credits) (BIOL)

- BIOL-L111, L112, L113, L350, L369 and
- An approved statistics course at the 300 level, or one of L330 or L340.

**Note:** Biology L490 and L499 credit cannot count for either option in the biology minor.

### Chemistry (17 credits) (CHEM)

- CHEM-C117, C127 (or C105 and C125) and C341.
- Nine credit hours of electives chosen from CHEM-A314, A318 or C317, C318, C342, C360, C361, C362, C430, C443, C460, C481, C483, C484, C485, N330.

**Note:** At least 12 credit hours must be taken in residence on the Bloomington campus.

### Economics (18 credits) (ECON)

- MATH-M119 or M211
- ECON-E201 and E202
- ECON-E321
- Economics electives: At least two additional economics courses (6 credit hours) at the 300 or 400 level, excluding E496 and Y398. At least one of these elective courses (3 credit hours) must be numbered above E321, excluding E370.

### English (15 credits) (ENG)

- ENG-L260: Introduction to Advanced Study of Language
- One introductory genre course selected from : ENG-L203, L204, L205 or L206 (excluding fiction)
- Two literary history courses selected from ENG-L310, L312 or L316
- One English elective at the 300-400 level. (May include L310, L312 or L316 if not used to fulfill requirement above.)

**Note:** W202 and W205 are not approved for inclusion in the minor

### Fine Art: Studio Art (21 credits) (FINA)

- FINA-F100.
- FINA-F101 or F102.
- Two additional courses in studio art above the 100 level.
- Three additional courses in studio art at the 300-400 level (which must be completed on the Bloomington campus).

### Geography (15 credits) (GEOG)

- One course from GEOG-G107, G109, G110, G120, and G208
- One course in geographic methodology (to be selected from G235, G237, G250, G336, G338, G350, G436, G438, or G488)
- At least 9 credit hours in Geography courses must be completed at the 300-400 level.

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### Geological Sciences (15 credits) (GEOG)

- No more than one course at the 100 level.
  - Either GEOL-G221 and G222 or G225.
  - A minimum of 9 credits at the 300 to 400 level, including at least one course at the 300 level and one course at the 400 level.
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### History (15 credits) (HIST)

- Students must complete 15 credit hours of history.
  - Of the 15 credit hours in History, 9 must be at the 300 or 400 level.
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### Mathematics (16 credits) (MATH)

- MATH-M212, S212, or M213
  - At least three courses at the 300 or 400 level.
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**Note:** The courses K300, K305, and K310 cannot be selected for the minor.

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### Physics (19 hrs) (PHYS)

- One of the two 10 credit introductory course sequences: PHYS-P201-P202 or PHYS-P221-P222.
  - A modern physics course, to be chosen from PHYS-P301 or P453.
  - A laboratory course, to be chosen from PHYS-P309, P451, or P460.
  - Another 3 credit course above the level of PHYS-P301.
  - At least 9 credit hours of course work at the 300–400 level.
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### Political Science (18 credits) (POLS)

- At least 9 credits must be at the 300 or 400 level.
  - At least two courses in one of the following blocks of courses and at least one course from one of the other two blocks:
    - American politics, public policy, law, and administration (Y301–Y320, Y324–Y326, Y329, Y349, Y373, Y394)
    - Comparative politics or international relations (Y332– Y348, Y350–Y372, Y374–Y376, Y407)
    - Political theory and methodology (Y379, Y381–Y388, Y395, Y405, Y406)
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**Note:** Only 3 hours of credit in X380 and Y481 may be counted toward the minor.

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### Psychology (15 credits) (PSY)

- PSY-P155 or both P101 and P102.
  - PSY-K300 or K310 or another approved College statistics course.
  - Any two additional courses in PSY at the 300 or 400 level.
  - In addition, students must complete MATH-M118, or M119, or a 200-level mathematics course, or the equivalent.
  - At least 9 credit hours of course work for the minor must be completed at the 300–400 level.
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### Sociology (15 credits) (SOC)

- One of the following: SOC-S100, S105, S110, S122, S201, S210, S215, S217, S220, S230.
  - Three sociology courses (9 credit hours) at the 300–400 level.
  - An additional sociology course at any level.
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### World Language: French (15 credits) (FRIT)

- FRIT-F250.
  - FRIT-F300 (must be taken on the Bloomington campus).
  - Nine additional credit hours of 300–400 level courses, including:
    - one course from the following: F305, F306, F361, F362, F363, F375
    - one course from the following: F313, F315, F316
  - Two courses at the 300–400 level must be taken on the Bloomington campus, and one of these two courses must be F300. If F250 is satisfied through a placement exam and validation course then the student must take three courses at the 300–400 level on the Bloomington campus (and one of these must be F300).
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**Note:** No credit in the minor will be given for those courses listed in the College of Arts & Sciences Bulletin as carrying no credit toward the major.

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### World Language: German (15 credits) (GER)

Students must complete 15 credit hours of Germanic Studies course credit at the 300 and 400 level, including at least 12 credit hours in courses taught in German.

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### World Language: Spanish (15 credits) (HISP)

- HISP-S250
  - HISP-S280
  - Any two of the 300-level core courses (S324, S326, S328), and
  - One additional course at the 300 or 400 level.
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Students who place into the S300 level are not eligible for S280 credit. As a result, they must take an additional 3 credits at the S300 or S400 level.

**Note:** Native speakers of Spanish are expected to complete the minor with course work at the S300 and S400 level.

The following courses cannot be used to fulfill any portion of the minor: S260, S265, S284, S290, S421, S494, S499, or any course from Portuguese or Catalan. For detailed information about the options available to minors, consult the departmental office of undergraduate studies.