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.)

1. Foundations Credits
   • English Composition (EC) 3
   • Mathematical Modeling (MM) 3

2. Breadth of Inquiry Credits
   • Arts & Humanities (A&H) 6
   • Social & Historical Studies (S&H) 6
   • Natural & Mathematical Sciences (N&M) 5-6
     - Option I: Two courses with one a Natural Science (NS) OR
     - Option II: One 5 hr Science with a lab (LAB) 6

3. World Languages & Cultures Credits
   - Option I: Language Study (WL) OR
   - Option II: World Culture (WC) OR
   - Option III: International Experience (IE) 6

4. Shared Goals for the School of Education Credits
   • Intensive Writing (IW) (EDUC-H 205 or H 340) 3
   • Information Fluency (IF) (EDUC-W 200) 3
   • Diversity in the United States (D) (EDUC-E 300) 3
   • Enriching Educational Experiences (EE) (EDUC-M 425) 13

PREREQUISITES FOR AUTHORIZED COURSES
(Competitive enrollment. Meeting minimum requirements does not guarantee enrollment in authorized courses.)

1. 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. 2.5 GPA overall.
3. Applicants must have completed or be enrolled in 26+ credits of coursework including the following:

   Courses Credits
   • Elementary School Child (EDUC-P 248) 3
   • Educational Psychology for Elem Teachers & Lab/Field Experience (EDUC-P 251 & M 101) 4
   (To enroll in P 251 and M 101 you must register for EDUC-BC 251)
   • Technology (EDUC-W 200) 3
   • Math 1 (EDUC-N 101 or MATH-T 101) 3
   • Math 2 (MATH-M/S/V 118 or D116 & D117 or MATH-T 102 or EDUC-N 102) 3-4
   • Math 3 (EDUC-N 103 or MATH-T 103) 3
   • 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: https://info.educ.indiana.edu/teachered/

FINE ARTS (2.0 GPA) 6 credits

Music
   • MUS-E 241 Intro to Music Fundamentals 3

Art (Select one)
   • EDUC-M 135 Individualized Instruction in Art 3
   • EDUC-M 200 Artifacts & Museums in Everyday Life (A&H) 3
   • FINA-N 110 Intro to Studio Art for Non-majors (A&H) 3

MATHEMATICS (2.0 GPA) 9-10 credits

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

INTERNATIONAL CONNECTIONS (3 credits)
   • EDUC-S 300 International Studies (A&H) 3

FOREIGN LANGUAGE (3 credits)
   • Language Arts (2.0 GPA) 6-9 credits
   • Oral Expression (Select one) (Grade of C or higher required) 3
     • ANTH-A 122 Interpersonal Communication (S&H) 3
     • COLL-P 155 Public Oral Communication 3
     • EDUC-G 203 Comm. for Youth Serving Professionals (S&H) 3
   • English Composition (EC) (Select one) (Grade of C or higher required) 3
     • CMLT-C 110 Writing the World 3
     • ENGW-W 131 Reading, Writing & Inquiry OR 3
     • ENGW-W 170 Intro to Argumentative Writing-Projects in Reading & Writing 3
   • American/World Literature (Select one) 3
     • AAAD-A 379 Early Black American Writing 3
     • CMLT-C 340 Women in World Literature 3
     • ENGL-111 Discovering Literature (A&H) 3
     • ENGL-203 Introduction to Drama (A&H) 3
     • ENGL-204 Introduction to Fiction (A&H) 3
     • ENGL-205 Introduction to Poetry (A&H) 3
     • ENGL-210 Studies in Popular Lit & Mass Media (A&H) 3
     • ENGL-213 Literary Masterpieces I (A&H) 3
     • ENGL-214 Literary Masterpieces II (A&H) 3
     • ENGL-224 Introduction to World Lit in English (A&H) (WC) 3
     • ENGL-240 Literature & Public Life (A&H) 3
     • ENGL-257 Twentieth Century American Poetry 3
     • ENGL-258 American Literature 1914-1960 3
     • ENGL-364 Native American Literature 3
     • ENGL-369 Studies in British & American Authors 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.)

#### TEP Prerequisite Education Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDUC-P 248</td>
<td>3</td>
</tr>
<tr>
<td>EDPSy for Elem Teachers</td>
<td>3</td>
</tr>
<tr>
<td>EDUC-M 101</td>
<td>3</td>
</tr>
<tr>
<td>EDUC-W 200</td>
<td>3</td>
</tr>
</tbody>
</table>

#### Non-Authorized Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDUC-A 308</td>
<td>3</td>
</tr>
<tr>
<td>EDUC-E 300</td>
<td>3</td>
</tr>
<tr>
<td>EDUC-H 205</td>
<td>3</td>
</tr>
<tr>
<td>EDUC-H 340</td>
<td>3</td>
</tr>
<tr>
<td>EDUC-M 323</td>
<td>2</td>
</tr>
<tr>
<td>EDUC-M 333</td>
<td>2</td>
</tr>
</tbody>
</table>

#### Authorized Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDUC-E 339</td>
<td>8</td>
</tr>
<tr>
<td>EDUC-E 340</td>
<td>3</td>
</tr>
<tr>
<td>EDUC-M 301</td>
<td>2</td>
</tr>
</tbody>
</table>

**Authorized Courses (43 credits)**

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.

#### Cluster I: Language Arts & Reading I

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDUC-E 339</td>
<td>8</td>
</tr>
<tr>
<td>EDUC-E 340</td>
<td>3</td>
</tr>
<tr>
<td>EDUC-M 301</td>
<td>2</td>
</tr>
</tbody>
</table>

#### Cluster II: Math & Science

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>P: MATH-T 101 or EDUC-N 101</td>
<td>3</td>
</tr>
<tr>
<td>P: MATH-T 103 or EDUC-N 103</td>
<td>3</td>
</tr>
<tr>
<td>EDUC-E 325</td>
<td>3</td>
</tr>
<tr>
<td>EDUC-E 343</td>
<td>3</td>
</tr>
<tr>
<td>EDUC-M 201</td>
<td>2</td>
</tr>
<tr>
<td>EDUC-K 305</td>
<td>3</td>
</tr>
</tbody>
</table>

#### Cluster III: Social Studies & Reading Instruction

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDUC-E 325</td>
<td>9</td>
</tr>
<tr>
<td>EDUC-M 401</td>
<td>3</td>
</tr>
<tr>
<td>EDUC-X 460</td>
<td>3</td>
</tr>
</tbody>
</table>

#### Student Teaching

Students may not enroll in other classes while completing student teaching. (Except: EDUC-M 202 Job Search Strategies for Educators)

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDUC-M 420</td>
<td>2</td>
</tr>
<tr>
<td>EDUC-M 425</td>
<td>13</td>
</tr>
</tbody>
</table>

#### III. AREA OF CONCENTRATION, ACADEMIC MINOR OR LICENSE ADDITION

15-32 credits/2.5 GPA

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

**Areas of Concentration that meet the 120 hr requirement**

<table>
<thead>
<tr>
<th>Area of Concentration</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Language Arts</td>
<td>15</td>
</tr>
<tr>
<td>The Arts</td>
<td>15</td>
</tr>
<tr>
<td>Math</td>
<td>15</td>
</tr>
<tr>
<td>Science</td>
<td>15</td>
</tr>
<tr>
<td>Social Studies</td>
<td>15</td>
</tr>
<tr>
<td>Health Education</td>
<td>15</td>
</tr>
</tbody>
</table>

**Academic Minors that require more than 120 hrs**

<table>
<thead>
<tr>
<th>Academic Minor</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Astronomy</td>
<td>17</td>
</tr>
<tr>
<td>Biology</td>
<td>15</td>
</tr>
<tr>
<td>Chemistry</td>
<td>17</td>
</tr>
<tr>
<td>Economics</td>
<td>18</td>
</tr>
<tr>
<td>English</td>
<td>15</td>
</tr>
<tr>
<td>Fine Arts</td>
<td>21</td>
</tr>
</tbody>
</table>

**License Additions that require more than 120 hrs**

<table>
<thead>
<tr>
<th>License Addition</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Computer Educator</td>
<td>21</td>
</tr>
<tr>
<td>English as a New Language</td>
<td>22</td>
</tr>
<tr>
<td>Mathematics for Middle School</td>
<td>32</td>
</tr>
<tr>
<td>Reading</td>
<td>18</td>
</tr>
</tbody>
</table>

### IV. ELECTIVES
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 area content and the area of concentration which will allow the student to complete the program in 120 hrs.)

Language Arts (2.5 GPA) 15 credits

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDUC-E 341</td>
<td>Methods of Teaching Reading II (P: EDUC-E340)</td>
<td>3</td>
</tr>
<tr>
<td>EDUC-X 470</td>
<td>Psycholinguistics for Teachers of Reading</td>
<td>3</td>
</tr>
<tr>
<td>CMLT-C 110</td>
<td>Writing the World (EC)</td>
<td>3</td>
</tr>
<tr>
<td>ENGL-131</td>
<td>Elementary Composition (EC)</td>
<td>3</td>
</tr>
<tr>
<td>ENGL-170</td>
<td>Projects in Reading &amp; Writing (EC)</td>
<td>3</td>
</tr>
<tr>
<td>AAAD-A 379</td>
<td>Early Black American Writing</td>
<td>3</td>
</tr>
<tr>
<td>CMLT-C 340</td>
<td>Women in World Literature</td>
<td>3</td>
</tr>
<tr>
<td>ENGL-111</td>
<td>Discovering Literature (A&amp;H)</td>
<td>3</td>
</tr>
<tr>
<td>ENGL-203</td>
<td>Introduction to Drama (A&amp;H)</td>
<td>3</td>
</tr>
<tr>
<td>ENGL-204</td>
<td>Introduction to Fiction (A&amp;H)</td>
<td>3</td>
</tr>
<tr>
<td>ENGL-205</td>
<td>Introduction to Poetry (A&amp;H)</td>
<td>3</td>
</tr>
<tr>
<td>ENGL-206</td>
<td>Introduction to Prose (Excluding Fiction) (A&amp;H)</td>
<td>3</td>
</tr>
<tr>
<td>ENGL-210</td>
<td>Studies in Popular Lit &amp; Mass Media (A&amp;H)</td>
<td>3</td>
</tr>
<tr>
<td>ENGL-213</td>
<td>Literary Masterpieces I (A&amp;H)</td>
<td>3</td>
</tr>
<tr>
<td>ENGL-214</td>
<td>Literary Masterpieces II (A&amp;H)</td>
<td>3</td>
</tr>
<tr>
<td>ENGL-224</td>
<td>Introduction to World Lit in English (A&amp;H) (WC)</td>
<td>3</td>
</tr>
<tr>
<td>ENGL-240</td>
<td>Literature &amp; Public Life (A&amp;H)</td>
<td>3</td>
</tr>
<tr>
<td>ENGL-357</td>
<td>Twentieth Century Am. Poetry</td>
<td>3</td>
</tr>
<tr>
<td>ENGL-358</td>
<td>American Literature 1914-1960</td>
<td>3</td>
</tr>
<tr>
<td>ENGL-364</td>
<td>Native American Literature</td>
<td>3</td>
</tr>
<tr>
<td>ENGL-369</td>
<td>Studies in British &amp; American Authors</td>
<td>3</td>
</tr>
</tbody>
</table>

Mathematics (2.5 GPA) 15-16 credits

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

Science (2.5 GPA) 15-17 credits

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>AST-A 100</td>
<td>The Solar System (N&amp;M) OR</td>
<td>3</td>
</tr>
<tr>
<td>CHEM-C 100</td>
<td>The World as Chemistry (N&amp;M)</td>
<td>3</td>
</tr>
<tr>
<td>BIOL-Q 201</td>
<td>Biological Science for Elem. Teachers (P: EDUC-Q 200)</td>
<td>3</td>
</tr>
<tr>
<td>GEOG-Q 105</td>
<td>Earth: Our Habitable Planet (N&amp;M) (NS)</td>
<td>3</td>
</tr>
<tr>
<td>PHYS-P 199</td>
<td>Physical Science through Inquiry (N&amp;M)</td>
<td>3</td>
</tr>
<tr>
<td>EDUC-Q 405</td>
<td>Integrated Sciences for Science Education (P: EDUC-E328)</td>
<td>3</td>
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</tbody>
</table>

The Arts (2.5 GPA) 15 credits

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDUC-M 235</td>
<td>Looking At &amp; Talking About Art</td>
<td>3</td>
</tr>
<tr>
<td>EDUC-M 335</td>
<td>Method &amp; Materials of Music: K-12</td>
<td>3</td>
</tr>
<tr>
<td>MUS-E 241</td>
<td>Intro to Music Fundamentals</td>
<td>3</td>
</tr>
<tr>
<td>EDUC-M 335</td>
<td>Individually Instruction in Art</td>
<td>3</td>
</tr>
<tr>
<td>EDUC-M 200</td>
<td>Artifacts &amp; Museums in Everyday Life (A&amp;H)</td>
<td>3</td>
</tr>
<tr>
<td>FINA-N 110</td>
<td>Intro to Studio Art for Non-majors (A&amp;H)</td>
<td>3</td>
</tr>
</tbody>
</table>
### Social Studies (2.5 GPA) 15 credits

**Required (Complete both)**
- GEOG-G 110 Introduction to Human Geography *(S&H)* 3
- POLS-Y 103 Introduction to American Politics *(S&H)* 3

**U.S. History (Select one)**
- HIST-H 105 American History I *(S&H)* 3
- HIST-H 106 American History II *(S&H)* 3

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

**Social Studies Elective (Select one not taken above)**
- HIST-B 200 Issues in Western European History *(S&H, WC)* 3
- HIST-C 210 Making of the Modern Middle East *(S&H, WC)* 3
- HIST-H 101 World in 20th Century I *(S&H, WC)* 3
- HIST-H 102 World in 20th Century II *(S&H, WC)* 3
- HIST-H 103 Europe: Renaissance to Napoleon *(S&H, WC)* 3
- HIST-H 104 Europe: Napoleon to Present *(S&H, WC)* 3
- HIST-H 205 Ancient Civilization *(S&H/VC)* 3
- HIST-H 206 Medieval Civilization *(S&H, WC)* 3
- HIST-H 211 Latin American Culture & Civilization I *(S&H, WC)* 3
- INTL-I 100 Intro to International Studies *(S&H, WC)* 3
- INTL-I 203 Global Development *(S&H, WC)* 3
- INTL-I 204 Human Rights & International Law *(S&H, WC)* 3
- INTL-I 206 Identity & Conflict *(S&H, WC)* 3
- LTAM-L 210 The Latin American Experience *(S&H, WC)* 3
- NELC-N 204 Topics in Middle Eastern Culture & Society *(S&H, WC)* 3

### Health Education (2.5 GPA) 15 credits

(Note: This Area of Concentration will require the student to take more than 120 hrs to complete the program.)

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

**Elective (Select one)**
- SPH-F 265 Human Sexuality *(S&H)* 3
- SPH-F 341 Effects of Divorce on Children 3
- SPH-H 150 Children’s Health Up to Age 5 3
- SPH-H 174 Prevention of Violence in American Society *(S&H)* 3
- SPH-H 180 Stress Prevention & Management 3
- SPH-H 220 Death & Dying *(S&H)* 3
- SPH-H 235 Health & Obesity *(S&H)* 3
- SPH-H 315 Consumer Health 3
- SPH-H 318 Drug Use in American Society 3
- SPH-N 220 Nutrition for Health 3
- SPH-N 231 Human Nutrition *(N&M)* (P: CHEM-C 101 or equivalent; a course in biology) 3

### 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.)

**Minor** | **credits** | **Minor** | **credits**
---|---|---|---
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) | 3
Geology | 15

### 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. ([http://education.indiana.edu/license-development/licensing/license-additions.html](http://education.indiana.edu/license-development/licensing/license-additions.html))
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.

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.
Geological Sciences (15 credits) (GEOG)
- No more than one course at the 100 level.
- Either GEOG-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.

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.

Mathematics (16 credits) (MATH)
- MATH-M212, S212, or M213
- At least three courses at the 300 or 400 level.

Note: The courses K300, K305, and K310 cannot be selected for the minor.

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.

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)

Note: Only 3 hours of credit in X380 and Y481 may be counted toward the minor.

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.

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.

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).

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.

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.

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.

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.