



INDIANA UNIVERSITY

SCHOOL OF EDUCATION
Office of Teacher Education
Bloomington

B.S. EDUCATION: SCIENCE (EARTH/SPACE SCIENCE)

This Bachelor of Science in Education degree enables you to teach Middle School/Junior High or High School students. Course requirements for this program are valid at IUB as reflected in the School of Education Bulletin. A 4 year college plan requires completion of 15-16 credits each semester. A 2.5 GPA overall is required for retention and graduation.

General Education	36
Content	43
Professional Education	48
<u>Electives</u>	<u>XX</u>
Total (124 Minimum)	124

June 2009

ADMISSION TO TEACHER EDUCATION PROGRAM

1. Passing scores on the PRAXIS I test (175 Math, 176 Reading, 172 Writing). **Recommended:** Take the test during your Freshman year or as soon as you decide to become an Education major.
2. 2.5 GPA overall.
3. 21 credits and a 2.5 GPA in the content field with at least 15 credits completed and 6 credits in progress. Grade of C or higher is required in each content field course.
4. Completion of or enrollment in prerequisites: Grade of C or higher is required in each EDUC course.

EDUC-M 300	<i>Teaching in a Pluralistic Society</i>	3
EDUC-P 312	<i>Learning Theory into Practice AND</i>	3
EDUC-P 313	<i>Adolescents in a Learning Community</i>	3
EDUC-W 200	<i>Using Computers in Education</i>	3
5. Apply by October 1 for Spring Semester Block I courses. NOTE: Competitive enrollment with a limited number of seats in Block I.
6. Submit TEP Application Online:
<https://info.educ.indiana.edu/teachered/>

OVERALL PROGRAM REQUIREMENTS (Retention, Student Teaching & Graduation)

- A "C" or higher grade in each professional education and content field course is required.
- All professional education courses must be completed before student teaching.
- A 2.5 GPA in the professional education, content field and overall is required.
- A minimum of 124 college credits must be completed.

REMINDERS

- PRAXIS I scores take 4-6 weeks for results to be reported.
- Apply by October 1 for Spring Semester Block I courses.
- Register for Student Teaching 1 year in advance of enrollment.
- Apply for Graduation 1 year in advance of completion.
- Register with Education Careers Services during Senior Year.
- Attend Pre-Professional Meeting the semester before Student Teaching.
- Register for PRAXIS II in subject areas in Senior Year.
- Complete CPR/First Aid Requirement for State in Senior Year.
- Apply through IUB to State for License upon Graduation.

I. GENERAL EDUCATION

36 credits

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

ARTS & HUMANITIES **15 credits**

ORAL EXPRESSION (C or higher) **3 credits**

CMCL-C 121	<i>Public Speaking</i>	3
CMCL-C 122	<i>Interpersonal Communication</i>	3
EDUC-G 203	<i>Communication in the Classroom</i>	3

WRITTEN EXPRESSION (C or higher) **3 credits**

ENG-W 131	<i>Elementary Composition</i>	3
ENG-W 170	<i>Projects in Reading and Writing</i>	3

INTENSIVE WRITING **3 credits**

Refer to the online Schedule of Classes/Special Course Listings: Intensive Writing Courses.

REMAINING ARTS & HUMANITIES **6 credits**

Select 6 credits from A&H* (Arts & Humanities) courses.

NATURAL & MATHEMATICAL SCIENCES **9 credits**

Select 9 credits from N&M* (Natural & Mathematical) courses.

SOCIAL & HISTORICAL STUDIES **9 credits**

Select 9 credits from S&H* (Social & Historical Studies) courses.

CULTURE STUDIES **3 credits**

Select 3 credits from Culture Studies Requirement List A or B**.

*See College of Arts & Sciences Bulletin, Appendix II: Approved Distribution Courses and major specific planning sheet for recommended selections.

**See College of Arts & Sciences Bulletin, Appendix I: Cultural Studies Requirement Lists.

II. EARTH/SPACE REQUIREMENTS**43 credits/2.5 GPA****(C or higher grade is required in each course.)**

REQUIRED		40 credits
AST-A 221	General Astronomy I (P: College algebra & trigonometry or HS equiv.)(Fall only)	4
AST-A 222	General Astronomy II (P: College algebra & trigonometry or HS equiv., & A221) (Spring Only)	4
BIOL-L 111	Intro to Biol: Evolution & Diversity	3
BIOL-L 112	Intro to Biol: Biological Mechanisms (P: HS or college chemistry)	3
CHEM-C 117	Principles of Chemistry & Biochemistry I – (P: Chemistry & Math Placement Exams & consent of department)	5
GEOG-G 304	Physical Meteorology and Climatology (P: Any intro science course or consent of instructor.)	3
GEOL-G 103	Earth Science: Materials & Processes OR	3
GEOL-G 105	Earth: Our Habitable Planet OR	
GEOL-G 111	Physical Geology (P: HS or college chemistry) (Fall only)	
GEOL-G 104	Evolution of the Earth OR	3
GEOL-G 112	Historical Geology (P: GEOL-G111 or consent of instructor) (Spring only) OR	
GEOL-G 114	Dinosaurs & Their Relatives (Spring only)	
GEOL-G 221	Introductory Mineralogy (P: College level CHEM) (Fall only) OR	4
GEOL-G 222	Introduction to Petrology (P: G221) (Spring only) OR	
GEOL-G 225	Earth Materials (P: one CHEM course) (Fall only)	
HPSC-X 100	Human Perspectives on Science OR	3
HPSC-X 102	Revolutions in Science: Plato to NATO OR	
HPSC-X 200	Scientific Reasoning OR	
HPSC-X 222	Big Science in the 20 th Century	
PHYS-P 201	General Physics I (P: MATH-M026 or HS equiv.) OR	5
PHYS-P 221	Physics I (C: MATH-M211)	
ELECTIVE		3 Credits
GEOL-G 300	Environmental & Urban Geology (P: 1 course physical or general geology or physical geography) (Spring only)	3
GEOL-G 302	Development of the Global Environment (P: 1 semester of college CHEM, PHYS, or AST; MATH M118 or equiv.)	3
GEOL-G 329	Introductory Field Experience in Environ. Science (P: 1 course in Environmental Science & G225) (Summer only)	5
GEOL-G 334	Prin. of Sediment.& Strat.(P: G222) (Fall only)	3
GEOL-G 404	Geobiology (P: G334 & BIOL-L111 or L112) (Fall only)	3
GEOL-G 415	Geomorphology (P: G222; college CHEM & MATH or consent of instructor.) (Fall Only)	3

III. PROFESSIONAL EDUCATION**48 credits/2.5 GPA****(C or higher grade is required in each course.)**

REQUIRED NON-AUTHORIZED COURSES		3 credits
This course must be taken before student teaching:		
EDUC-H 340	Education & American Culture	3
PREREQUISITE EDUCATION COURSES		12 credits
These courses must be taken before admission to the TEP.		
EDUC-M 300	Teaching in a Pluralistic Society	3
EDUC-P 312	Learning Theory into Practice AND	3
EDUC-P 313	Adolescents in a Learning Community	3
EDUC-W 200	Using Computers in Education	3
PRAXIS I Admission Tests (175 Math, 176 Reading, 172 Writing)		
TEACHER EDUCATION PROGRAM		33 credits
Admission to TEP is required for remaining courses.		
These courses must be taken before student teaching. (A308 may be taken with Block I or Block II. K306 is recommended with Block II.)		
EDUC-A 308	School Law: Secondary	3
EDUC-K 306	Teaching Students with Special Needs: Secondary Classrooms	3
Courses must be taken in prescribed blocks. Successful completion of all courses in each Block is a prerequisite for the next Block and student teaching.		
Block I and Block II must be successfully completed (C or Better) in sequence without interruption from one semester to the next. Students may add an additional semester(s) between the completion of Block II and Student Teaching (Block III).		
BLOCK I (Spring only)		8 credits
EDUC-M 346	Exploring School Science Teaching	3
EDUC-M 303	Field Experience I	2
EDUC-M 469	Content Area Literacy	3
BLOCK II (Fall only)		6 credits
EDUC-M 446	Methods of Teaching Jr/Md/Sr High Science	3
EDUC-M 403	Field Experience II	2
EDUC-S 303	Classroom Management/Sec.	1
BLOCK III (Student Teaching)		13 credits
EDUC-M 420	Professional Development Seminar	1
EDUC-M 480	Student Teaching	12
IV. ELECTIVES (To Total 124 credits)		