

INDIANA UNIVERSITY

SCHOOL OF EDUCATION
Office of Teacher Education
Bloomington

B.S. EDUCATION: SCIENCE (PHYSICS)

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 four-year college plan requires completion of 15 credits each semester. A 2.5 GPA overall is required for retention and graduation. A total of 120 credits are required for graduation.

EDUC-W 200

EDUC-M 300

EDUC-M 480

Diversity in the U. S. (D)

May 2019

3

12

3 credits

12 credits

PREREQUISITES FOR ADMISSION TO THE TEP

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

- Complete the basic skills testing requirement by using any of the following options:
 - Qualifying scores on CASA Reading 220, Math 220, Writing 220
 - SAT combined MA+VE score of at least 1100 if test taken prior to March 1, 2016
 - SAT combined MA+VE score of at least 1170 if test taken on or after March 1, 2016
 - ACT composite score of at least 24

Sum of EN + MA + RE + SR scores divided by 4 = 24

- 2. 2.5 GPA overall.
- 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 minus (C-) or higher is required in each content field course.
- Completion of or enrollment in prerequisites: Grade of C or higher is required in each EDUC course.

	Course		Credits
	• EDUC-G 203	Communication for Youth Serving	3
		Professionals (S&H)	
	 EDUC-M 300 	Teaching in a Pluralistic Society	3
		(P: English Comp.) (D)	
	 EDUC-P 312 	Learning Theory into Practice	3
		(P: Soph. status)	
	 EDUC-P 313 	Adolescents in a Learning Community	3
		(P: Soph. status)	
	 EDUC-W 200 	Using Computers in Education (IF)	3
5.	Apply to TEP by Octo	ober 1 to enroll in Spring term Block I and	
	EDUC-K 306.		
6.	Access TEP Applicat	ion at: https://education.indiana.edu/	

I. IUB & SCHOOL OF EDUCATION GENERAL EDUCATION REQUIREMENTS

https://gened.indiana.edu/approved-courses/index.html
Careful selection and completion of courses with a grade of "C" or higher
may allow double counting within General Education, Professional
Education and/or Content Field. If you earn a grade lower than a C,
please consult with an academic advisor.

English Composition (EC) (Select one) 0-3 credits Grade of C or higher required

CMLT-C 110	Writing the World	3
ENG-W 131	Reading, Writing & Inquiry I OR	3
ENG-W 131E	EX Elementary Composition-Exempt	0
ENG-W 170	Intro to Argumentative Writing-Projects in Reading	3
	& Writing	

	Intensive Writing Course (IW) (Select one)	3 credits
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EDUC-H 205	Intro to Educational Thought (P: English Comp.) (S&H)	3
EDUC-H 340	Education & American Culture (P: Soph. status)	3

Mathematical Modeling (MM) 3-4 credits

Complete at least 1 course for at least 3 credits.

Complete ONE of the following options. Option I: Complete at least 2 courses for a total of at least 5 credits. At least 1 of these courses must be a Natural Science (*) course. Option II: Complete a 5 credit science course. (The class taken to fulfill the Mathematical Modeling requirement cannot be counted towards the 5+ credits needed to fulfill the N&M requirement World Languages (WL)/World Cultures (WC) Complete ONE of the following options. Option I: Language Study (WL): Complete the study of an approved single language through the second semester of the second-year level of college-level coursework. Option II: World Culture (WC): Complete at least 2 courses for a total of at least 6 credits. Option III: International Experience (IE): Complete an approved study abroad program or internship of at least 6 credits & at least 6 weeks	Arts & Humanities		6 credi
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Using Computers in Education

Enriching Educational Experiences (EEE)

Teaching in a Pluralistic Society (P: English Comp.)

Student Teaching: Secondary (12 weeks)

II. PROFESSIONAL EDUCATION 51 credits/2.5 GPA

A grade of C or higher is required in each EDUC course.
The following courses must be successfully completed before student teaching.

	21 cr	euits
DUC-G 203	Communication for Youth Serving Professionals (S&H)	3
DUC-M 300	Teaching in a Pluralistic Society (P: English Comp.) (D)	3
DUC-P 312	Learning Theory into Practice (P: Soph. status)	3
DUC-P 313	Adolescents in a Learning Community (P: Soph. status)	3
DUC-W 200	Using Computers in Education (IF)	3
DUC-A 308	Legal and Ethical Issues for Teachers (P: Soph. status)	3
DUC-H 205	Intro to Educational Thought (P: English Comp.) (S&H) (IW) OR	3
EDUC-H 340	` ,` ,	3
	ne Teacher Education Program (TEP) is 30 creer to enroll in the following courses:	edits
ompletion (C	Teaching Students with Special Needs: Secondary Classrooms be taken in prescribed blocks. Successful or higher) of all courses in each block is a state the next block and student teaching.	3
courses must k ompletion (C corerequisite for Block I and Blo emester to the	Secondary Classrooms be taken in prescribed blocks. Successful	(s)
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Student Teaching Seminar Student Teaching in the Secondary School

(12 weeks) (EEE)

1 12

Educators

EDUC-M 420

EDUC-M 480

III. PHYSICS CONTENT 54 credits/2.5 GPA

A grade of C minus (C-) or higher is required in each course. Check with the department regarding when courses will be offered.

Required Scien	nce & Mathematics 24 of	credits
BIOL-L 111	Foundations of Biology: Diversity, Evolution &	4
2.022	Ecology (N&M) OR	•
BIOL-L 112	Foundations of Biology: Biological	4
	Mechanisms (P: HS or college chemistry)	
	(N&M)	
CHEM-C 117	Principles of Chemistry & Biochemistry I	3
	(P: CHEM-C 101, CHEM-C 121; or	
	CHEM-C 103; or chemistry and math	
	placement examinations and consent of	
EAC E 402	department) (N&M)	2
EAS-E 103 EAS-E 104	Earth Sci: Materials & Processes (N&M) OR Evolution of the Earth (N&M) OR	3 3
EAS-E 104 EAS-E 105	Earth: Our Habitable Planet (N&M)	3
HPSC-X 102	Science Revolutions: Plato to NATO	3
HF3C-X 102	(S&H) (WC)	3
MATH-M/S 211	Calculus I (N&M) (MM)	4
MATH-M/S 212	Calculus II (P: MATH-M/S 211) (N&M)	4
MATH-M/S 343	Introduction to Differential Equations I	3
	(P: MATH-M/S 212)	
Physics Major	30 (credits
-		
PHYS-P/H 221	Physics I (C: MATH-M/S 211) AND	5
PHYS-P/H 222		5
	P: PHYS-P 221) OR	
PHYS-P 201	General Physics I (P: MATH-M 026 or HS equiv.) (N&M) AND	5
PHYS-P 202	General Physics II (P: PHYS-P 201 or HS	5
	equiv.) (N&M)	
PHYS-P 301	Physics III (P: PHYS-P 222 or PHYS-P 202	3
	with consent of instructor)	
	with consent of instructor)	
Complete <u>17 cre</u> Physics departm	dits in Physics at the 300-400 level from the nent course listing:	
Complete <u>17 cre</u> Physics departm	dits in Physics at the 300-400 level from the	2+
Complete <u>17 cre</u> Physics departm •	dits in Physics at the 300-400 level from the	2+
Complete 17 cre Physics departm .	dits in Physics at the 300-400 level from the	3
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IV. ELECTIVES (To total 120 credits)