Indiana University South Bend
School of Education
Life Science Education
General Education Component

Student's Name: _____ **University ID Number:** _____

THIS ADVISING SHEET IS DESIGNED TO SUPPLEMENT INFORMATION FOUND IN THE IU SOUTH BEND BULLETIN. It details the specific requirements for SECONDARY EDUCATION LIFE SCIENCE MAJOR.

FINAL RESPONSIBILITY FOR FULFILLING PROGRAM REQUIREMENTS RESTS WITH THE STUDENT. IF GENERAL EDUCATION AND PROFESSIONAL EDUCATION HOURS DO NOT TOTAL THE MINIMUM 124 CREDITS REQUIRED FOR GRADUATION, ADDITIONAL ELECTIVES MAY BE NECESSARY. It is strongly advised that upon acceptance into the School of Education, students schedule an appointment with an advisor to clarify all program requirements and continue to meet regularly to discuss academic progress. Students should also meet with an advisor from their content major department/s.

Many courses have prerequisites--consult the University Bulletin for information.

GENERAL EDUCATION (23-26 Credits)

Note: Please be aware that an overall GPA of 2.5 is required for admission into the Teacher Education Program (TEP), for student teaching and for state certification.

Campus-wide General Education Requirements

I . Fundamental Literacies (9-12 cr.)

Requirement	Course	Course Title	Credits	Semester	Grade
Writing	Eng-W 131*	Elementary Composition	3		
Oral Communication	Fulfilled by EDUC-F 201/202 & M 314				
Critical Thinking	ENG-W 270	Argumentative Writing	3		
Visual Literacy	Fulfilled by EDUC-W 200				
Quantitative Reasoning	MATH-M 126	Trigonometric Functions	2		
Information Literacy	COAS-Q 110	Intro to Information Literacy	1		
Computer Literacy[1]	CSCI-A 106	Introduction to Computing	0 to 3		

*Courses with an asterisk (*) must have a minimum grade of 'C'.

II. Common Core (9 cr.)

Requirement	Course	Course Title/Topics	Credits	Semester	Grade
The Natural World	GEOL-N 190 AST-N 190	Variable topic sections OR Variable topic sections	3		
Social Institutions	Fulfilled by EDUC-P 250				
Literary and Intellectual Trad.	ENG-T 190	Variable topic sections	3		
Art, Aesthetics, and Creativity	A 190	Variable topic sections	3		

III. Contemporary Social Values (5 cr.)

Requirement	Course	Course Title	Credits	Semester	Grade
Non-Western Cultures	ANTH-E 105	Culture and Society	3		
Diversity in U.S. Society	Fulfilled by EDUC-H 340				
Health & Wellness	HPER	An approved course/s that fulfills this requirement	2		

IV. Additional Requirements (2-11 cr.)

Requirement	Course	Course Title	Credits	Semester	Grade
A. Electives			2 to 11		

[1] A passing score on the Computer Proficiency Test (CLEP) is a prerequisite for EDUC-W 200. In lieu of CSCI-A 106, a passing grade on the CLEP would satisfy this requirement.

General Education I, II, III	23-26	Credits
IV. Additional Requirements	2-11	Credits
Professional Education	43	Credits
Science Core Courses	30	Credits
Life Science Courses	17-23	Credits
Total	124	Credits

Secondary Life Science Education Major

NOTE: Students should be advised that an overall GPA of 2.5 in their major courses must be attained and maintained for admission to the Teacher Education Program (TEP), for student teaching and for state certification. All courses with a grade of 'C-' or lower must be retaken.

LIFE SCIENCE EDUCATION MAJOR

These are the major field requirements for those seeking Rules 2002 licensure in Life Science Education at the Senior High/Junior High/Middle School level. Students should meet with advisors to determine additional general education requirements.

Many courses have prerequisites--consult the University Bulletin for information.

SCIENCE CORE (30 cr.)

Requirement	Course	Course Title	Credits	Semester	Grade
Each of the following (20 cr.)	BIOL-L 101	Introduction to Biological Sciences I	5		
	BIOL-L 102	Introduction to Biological Sciences II	5		
	CHEM-C 105	Principles of Chemistry I AND	3		
	CHEM-C 125	Experimental Chemistry I	2		
	CHEM-C 106	Principles of Chemistry II AND	3		
	CHEM-C 126	Experimental Chemistry II	2		
Both of the following OR	PHYS-P 201	General Physics I AND	10		
	PHYS-P 202	General Physics 2 OR			
Both of the following	PHYS-P 221	Physics 1 AND			
	PHYS-P 222	Physics 2			

LIFE SCIENCE EDUCATION REQUIREMENTS (17-23 cr.)

Requirement	Course	Course Title	Credits	Semester	Grade
Each of the following courses	BIOL-L 211	Molecular Biology	3		
	BIOL-L 311	Genetics	3		
	BIOL-L 312	Cell Biology	3		
One course from the following courses	BIOL-L 318	Evolution OR	3		
	BIOL-L 473	Ecology			
One course from the following	BIOL-B 300	Vascular Plants (3 cr.) OR	3-5		
	BIOL-L 308	Organismal Physiology (5 cr.) OR			
	BIOL-Z 201	Introduction to the Animal Kingdom (5 cr.) OR			
	BIOL-L Z373	Entomology (5 cr.) AND			
	BIOL-L Z383	Entomology Lab			
One additional laboratory course above the 100-level, chosen from the following (2-6 cr.)	BIOL-L 304	Marine Biology (3 cr.) AND	2-6		
	BIOL-L 391	Special Topics in Biology--Tropical Marine Biology Field Study (3 cr.) OR			
	BIOL-L 319	Genetics Laboratory (3 cr.) OR			
	BIOL-L 323	Molecular Biology Laboratory (3 cr.) OR			
	MICR-M 310	Microbiology (3 cr.) AND			
	MICR-M 315	Microbiology Laboratory (2 cr.) OR			
	ANAT-A 464	Human Tissue Biology (5 cr.) OR			
	BIOL-L 474	Ecology Laboratory (2 cr.) P or C: L473			

Secondary Science

Professional Education

PROFESSIONAL EDUCATION (43 cr.)

Note: Students must obtain a GPA of 2.5 in the 43 credits of professional education with a minimum of 2.0 in each course.

STEP 1: FOUNDATIONS I (10 cr.)		Credits	Semester	Grade
EDUC-F 100	Introduction to Teaching (Strongly suggested as a 1st semester course)	1		
EDUC-P 250 [1]	Educational Psychology	3		
EDUC-K 200	Introductory Practicum in Special Education AND	0		
EDUC-K 205	Introduction to Exceptional Children	3		
EDUC-W 200 [2]	Using Computers in Education (for Middle School & Secondary)	3		

[1] Fulfills Gen. Ed. Human Behavior & Social Institutions

[2] Fulfills Gen. Ed. Visual Literacy

STEP 2: FOUNDATIONS II (9 cr.)		Credits	Semester	Grade
Students must successfully complete P250, and pass all sections of Praxis I to enroll in the following:				
*EDUC-F 201	Exploring the Personal Demands of Teaching: Lab Experience AND	2		
*EDUC-F 202	Exploring the Personal Demands of Teaching: Field Experience	1		
*EDUC-M 314	General Methods for Sr. High/Jr. High/Middle School Teachers AND	3		
*EDUC-R 301	AV Production of Materials	0		
EDUC-H 340 [3]	Education and American Culture	3		

* These courses should be taken together.

[3] Fulfills Gen. Ed. Diversity in the United States Society

REMINDER - YOU MUST ATTEND A STUDENT TEACHER MEETING AND APPLY FOR STUDENT TEACHING DURING THE FALL PRIOR TO THE SCHOOL YEAR IN WHICH YOU PLAN TO STUDENT TEACH.

<< STUDENTS MUST COMPLETE CHECKPOINT 1 PRIOR TO STEP 3 >>

STEP 3: INTERMEDIATE METHODS (6 cr.)		Credits	Semester	Grade
Students must be formally admitted to the Teacher Education Program (TEP) to enroll in the following:				
*EDUC-M 464	Methods of Teaching Sr. High/Jr. High/Middle School Reading	3		
*EDUC-K 306	Teaching Students w/Special Needs in Secondary Classrooms	3		

*These courses should be taken together.

STEP 4: ADVANCED CONTENT METHODS (6 cr.) (FALL ONLY!)		Credits	Semester	Grade
*EDUC-M 446	Methods of Teaching Sr. High./Jr. High./Middle.School Science AND	3		
*EDUC-M 401	Field Experience	0		
*EDUC-P 475	Adolescent Development and Classroom Management	3		

*These courses should be taken together.

<< STUDENTS MUST COMPLETE CHECKPOINT 2 PRIOR TO STEP 5 >>

STEP 5: STUDENT TEACHING (12 cr.)		Credits	Semester	Grade
Students must successfully complete all coursework, pass required Praxis II exams, and complete graduation application prior to student teaching.				
EDUC-M 420	Professional Development Seminar	2		
EDUC-M 480	Student Teaching: Senior High/Jr. High/Middle School	10		

<< STUDENTS MUST COMPLETE CHECKPOINT 3 PRIOR TO GRADUATION AND CERTIFICATION >>

Apply for a teaching license in the Education Student Services Office, GR 120.

Original advising conference:	Subsequent advising sessions:	
	Date:	**Advisor:**
Advisor: _____ **Date:** _____	_____	_____
	_____	_____
Student: _____ **Date:** _____	_____	_____