Indiana University South Bend School of Education Secondary Earth Space 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 EARTH SPACE 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

. Fundamental Literacies (9-13 cr.)						
Requirement	<u>Course</u>	Course Title	<u>Credits</u>	Semester	<u>Grade</u>	
Writing	ENG-W 131*	Elementary Composition	3			
Oral Communication	Fulfilled by EDL	JC-F 201/202 & M 314				
Critical Thinking	ENG-W 270	Argumentative Writing	3			
Visual Literacy	Fulfilled by EDL	JC-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	<u>Credits</u>	Semester	<u>Grade</u>
The Natural World	AST-N 190	Worlds Outside Our Own	3		
Social Institutions	Fulfilled by EDU	ulfilled 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	<u>Credits</u>	<u>Semester</u>	<u>Grade</u>
Non-Western Cultures	ANTH-E 105	ANTH-E 105 Culture and Society			
Diversity in U.S. Society	Fulfilled by EDU	ulfilled by EDUC-H 340			
Health & Wellness	HPER	An approved course/s that fulfills this requirement	2		

IV. Additional Requirements (4-7 cr.)						
Requirement	Course	Course Title	<u>Credits</u>	<u>Semester</u>	<u>Grade</u>	
A. Electives			4 to 7			

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	4-7 Credits
Professional Education	43 Credits
Science Core Courses	30 Credits
Earth/Space Courses	21 Credits
Total	124 Credits

Secondary Earth Space 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.

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

EARTH SPACE SCIENCE EDUCATION MAJOR

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

SCIENCE CORE (30 crs.)

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

EARTH SPACE SCIENCE EDUCATION REQUIREMENTS (21 crs.)

Requirement	Course	Course Title	Credits	Semester	<u>Grade</u>
	AST- N 190	Stars and Galaxies	3		
	BIOL-L 304	Marine Biology	3		
	GEOL-G 111	Physical Geology	3		
Each of the following	GEOL-G 112	Historical Geology	3		
	GEOL-G 210	Oceanography	3		
	GEOL-G 219	Meteorology OR	3		
	GEOL-N 190	Forecasting	3		
	·			-	
One course from the following	BIOL-N 390	Environmental Biology OR	2		
	BIOL-L 473	Ecology	3		

Secondary Science Professional Education

<u>PROFESSIONA</u>	L EDUCATION (4	<u>3 cr.</u>)				
Note: Students r	must obtain a GPA	of 2.5 in the 43 credits of professional e	ducation with a minimum of 2.0 in each of	course.		
	STEP 1: FOUND	ATIONS I (10 cr.)		Credits	Semester	Grade
EDUC-F 100		Introduction to Teaching (Strongly sugge	ested as a 1st semester course)	1		
EDUC-P 250 ¹		Educational Psychology	,	3		
EDUC-K 200		Introductory Practicum in Special Educa	tion AND	0		
EDUC-K 205		Introduction to Exceptional Children		3		
EDUC-W 200 ²		Using Computers in Education (for Midd	lle School & Secondary)	3		
¹ Fulfills Gen. Ed	. Human Behavio	& Social Institutions		•		
² Fulfills Gen. Ed	l. Visual Literacy					
	STEP 2: FOUND	ATIONS II (9 cr.)		Credits	Semester	Grade
	Studen	ts must successfully complete P250, and	pass all sections of Praxis I to enroll in t	he following:		
*EDUC-F 201		Exploring the Personal Demands of Tea	ching: Lab Experience AND	2		
*EDUC-F 202		Exploring the Personal Demands of Tea	ching: Field Experience	1		
*EDUC-M 314		General Methods for Sr. High/Jr. High/M	liddle 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 t	ogether.				
³ Fulfills Gen. Ec	I. Diversity in the l	Jnited States Society				
RI	EMINDER - YOU	MUST ATTEND A STUDENT TEACHER	MEETING AND APPLY FOR STUDEN	T TEACHING	DURING	
	THE	FALL PRIOR TO THE SCHOOL YEAR	IN WHICH YOU PLAN TO STUDENT T	EACH.		
		<< STUDENTS MUST COMPLETE	CHECKPOINT 1 PRIOR TO STEP 3 >>			
	STEP 3: INTERN	MEDIATE METHODS (6 cr.)		Credits	Semester	Grade
	Students m	ust be formally admitted to the Teache	er Education Program (TEP) to enroll in	n the followir	ng:	
*EDUC-M 464		Methods of Teaching Sr. High/Jr. High/N	/liddle School Reading	3		
*EDUC-K 306		Teaching Students w/Special Needs in S	Secondary Classrooms	3		
*These courses	should be taken to	ogether.				
	STEP 4: ADVAN	CED CONTENT METHODS (6 cr.) (FAL	L 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 Classroon	n Management	3		
*These courses	should be taken to	ogether.				
		<< STUDENTS MUST COMPLETE	CHECKPOINT 2 PRIOR TO STEP 5 >>			
	STEP 5: STUDE	NT TEACHING (12 cr.)		Credits	Semester	Grade
	Stu	idents must successfully complete all	coursework, pass required Praxis II e	exams,		
		and complete graduation app	lication prior to student teaching.			
EDUC-M 420		Professional Development Seminar		2		
EDUC-M 480		Student Teaching: Senior High/Jr. High	/Middle School	10		
	<< STUDE	NTS MUST COMPLETE CHECKPOINT	3 PRIOR TO GRADUATION AND CERT	IFICATION >	>	
Apply for a tead	ching license in t	he Education Student Services Office,	GR 120.			
Original advising conference:		Subsequent advi	sing session	s:		
			Date:	Advisor:		
Advisor:		Date:				
C4dad		Deter				
Student.		Date:				