

Secondary Education - EARTH AND SPACE SCIENCE (B.S.Ed.) (Grades 5-12)

PFW School of Education

Effective Fall 2018

Minimum: 120 Credits

Name: _____

ID: _____

C- OR BETTER IS REQUIRED FOR EVERY COURSE USED TOWARD THIS DEGREE

PFW GENERAL EDUCATION: 12 (34) Credits

Below is a list of highly recommended courses to accomplish the general education requirements and prepare you for the content required by the Indiana DOE. The full list of approved courses for general education can be found at www.pfw.edu/academics/bulletins

Category A. Foundational Intellectual Skills (9)		
Course	Crdts	Grade
1. Written Communication 1.1 / 1.2 / 1.3 / 1.4 / 1.5 / 1.6 / 1.7 ENGL 13100 Rdg, Writg, & Inq I	3	
2. Speech & Listening 2.1 / 2.2 / 2.3 / 2.4 / 2.5 / 2.6 / 2.7 COM 11400 Fund. Of Speech	3	
3. Quantitative Reasoning 3.1 / 3.2 / 3.3 / 3.4 / 3.5 / 3.6 / 3.7 / 3.8 MA 15300 or higher <i>Completed in major</i>	3	
Category B. Ways of Knowing (13)		
4. Scientific 4.1 / 4.2 / 4.3 / 4.4 / 4.5 / 4.6 ASTR 10000 The Solar System <i>Completed in major</i>	3	
ASTR 26400 Descriptive Astro.: Stars & Galaxies <i>Completed in major</i>	3	
CHEM 11500 General Chemistry <i>Completed in major</i>	4	
GEOG 10900 Weather and Climate <i>Completed in major</i>	3	
5. Social & Behavioral 5.1 / 5.2 / 5.3 / 5.4 / 5.5 / 5.6 EDU 34001 Edu. & Amer. Cult. <i>Completed in Pre-Professional Education</i>	3	
6. Humanistic & Artistic 6.1 / 6.2 / 6.3 / 6.4 / 6.5 / 6.6 / 6.7 <i>Refer to approved list</i>	3	
7. Interdisciplinary Opt 1: (3) 1.1-3.8 & (2) 4-6 Opt 2: 7.1 / 7.2 / 7.3 PHIL 35100 Phil of Science <i>Completed in major</i>	3	
Category C. Capstone (3)		
8. Capstone 8.1 / 8.2 / 8.3 / 8.4 <i>Refer to Approved List</i>	3	

Indiana Statewide Transfer General Education Core Satisfied

PRE-PROFESSIONAL EDUCATION: 3 Credits

Course	Crdts	Grade
EDU 20000 Exam Self as a Teacher	3	
AND EDU 10100 Lab/Field Exp	0	
EDU 34001 Edu. & Amer. Cult. <i>Completed in Gen. Ed. B5</i>	-	

PROFESSIONAL EDUCATION: 30 Credits

BLOCK 1: SPRING ONLY (9)

Course	Crdts	Grade
Pre-req: Must complete all of the 1 st checkpoint		
EDU 30600 Teach Excpt Learn Secondary	3	
EDU 40500 The Jr High & Middle School	3	
EDU 25000 Gen Educ Psychology	3	
AND EDU 30100 Lab/Field Exp	0	

BLOCK 2: FALL ONLY (9)

Course	Crdts	Grade
Pre-req: Must complete all of the 2 nd checkpoint (completion of Block 1)		
EDU 47500 Adolesc. Dev. & Classrm Mgt	3	
EDU 44900 Meth of Tch HS Science	3	
AND EDU 40100 Lab/Field Exp	0	
EDU 40101 Crit Rdg in Content Area	3	

STUDENT TEACHING: (12)

Course	Crdts	Grade
Pre-Req: Must complete all of the 3 rd checkpoint (completion of Block 2)		
EDU 48000 Student Teaching	12	
AND EDU 40100 Final Program Assess	0	
OR EDU 48000 + EDU 47000 SPED / LING 47000 ENL Practicum	9 + 3	
AND EDU 40100	0	

TEACHING MAJOR: 36 Credits

See the next two pages for a complete list of courses in the major and other requirements.

ELECTIVES: 17 Credits (to bring total credits to 120)

Note: Since teaching opportunities are limited if you only hold certification in Earth and Space Science, it is strongly recommended that you use your electives toward the completion of a minor in another science area or in mathematics.

Evaluated by: _____ Date: _____

EARTH AND SPACE SCIENCE STUDENT CHECKPOINTS

Successful completion of all Program Assessments within each block is required

1st Checkpoint: For Admission to Block 1

- _____ 1. Pass the Pearson CASA (Core Academic Skills Assessment) or one of the following alternative measures:
 - _____ Reading (220) _____ Writing (220) _____ Math (220)
 - _____ ACT Composite score of 24 based on math, reading, grammar, and science
 - _____ SAT Combined score of at least 1100 on critical reading and math if taken prior to 3/1/16 or **1170** composite beginning 3/1/16
 - _____ GRE Combined score of at least 1100 on quantitative and verbal
 - _____ Master's degree from a regionally accredited institution
 - _____ PPST (taken prior to 9-1-2013)
 - _____ Reading (176) _____ Writing (172) _____ Math (175) _____ Composite (527)
- _____ 2. Completion of all Pre-Professional Education classes
- _____ 3. Completion of 28 credits in your Earth and Space Science major
- _____ 4. Minimum 2.70 cum. GPA in your Earth and Space Science major
- _____ 5. Minimum 2.70 cum. GPA
- _____ 6. Completion of COM 11400 and ENGL 13100
- _____ 7. Candidates may retake a Pre-Professional Education course only one time.
- _____ 8. Pass a Criminal History Report. Criminal History Reports are valid for one year and will be repeated when necessary

2nd Checkpoint: For Admission to Block II

- _____ 1. Completion of Block 1 with each course having a grade of C- or higher
- _____ 2. Minimum 2.70 cum. GPA

3rd Checkpoint: For Admission to Student Teaching

- _____ 1. **Complete an application for student teaching and meet with the Student Teaching director ONE YEAR before intended student teaching semester. For fall placements: Sept – Nov. For spring placements: Jan – Mar.**
- _____ 2. Take the Pearson content exam. It is recommended that you take the exam one full semester prior to student teaching.
- _____ 3. Completion of Block 2 with each course having a grade of C- or higher
- _____ 4. Minimum 3.00 cum. GPA in your Earth and Space Science major
- _____ 5. Minimum 3.00 cum. GPA
- _____ 6. You may have no more than 6 credits remaining in your degree besides Student Teaching.
- _____ 7. Candidates may retake a Professional Education course only one time.
- _____ 8. Pass an Expanded Criminal History Report

4th Checkpoint: Final Assessment/Licensure

- _____ 1. Completion of student teaching and all course requirements
- _____ 2. Pass the Pearson content exam and the Pedagogy Test
- _____ 3. No grade lower than a C- in any required course
- _____ 4. Minimum 3.00 cum. GPA in your Earth and Space Science major
- _____ 5. Minimum 3.00 cum. GPA
- _____ 6. Provide evidence of a valid CPR/AED/Suicide Prevention certification
- _____ 7. Apply for graduation and license

A student should request permission for a waiver in writing from the Chair of the School of Education for an exception to any of the above requirements.

EARTH AND SPACE SCIENCE MAJOR COURSES

36 Credits

Name: _____ ID: _____

REPA	Course	Crs	Grd
4	ASTR 10000 The Solar System <i>Completed in Gen. Ed. A4</i>	-	
3	ASTR 26400 Descriptive Astro.: Stars & Galaxies <i>Completed in Gen. Ed. A4</i>	-	
9	BIOL 34900 Environmental Science	3	
2	CHEM 11500 General Chemistry <i>Completed in Gen. Ed. A4</i>	-	
5, 6	EAPS 10300 (<i>Geology G103</i>) Earth Science: Materials and Processes	3	
7, 9	EAPS 21000 (<i>Geol G210</i>) Oceanography	3	
5, 9	EAPS 21100 (<i>Geol G211</i>) Intro to Paleobiology	3	
6, 9	EAPS 22100 (<i>Geol G221</i>) Introductory Mineralogy	3	
5	EAPS 32300 (<i>Geol G323</i>) Structural Geology	3	
5	EAPS 42000 (<i>Geol G420</i>) Regional Geology Field Trip	2	
7	EAPS 45100 (<i>Geol G451</i>) Principles of Hydrogeology	3	
8	GEOG 10900 (<i>Geog G109</i>) Weather and Climate <i>Completed in Gen. Ed. A4</i>	-	
	MA 15300 College Algebra <i>Completed in Gen. Ed. A3</i>	-	
	MA 15400 Algebra and Trigonometry II	3	
1, 2	PHIL 35100 Philosophy of Science <i>Completed in Gen. Ed. B7</i>	-	
2	PHYS 21800 General Physics or PHYS 15200 Mechanics	4-5	
	STAT 30100 Elementary Statistical Methods	3	
	3 credit elective in Science or Math/Stat, 300-level or higher	3	
	TOTAL	36	

REPA refers to the Indiana Content Standards for Educators: Science - Earth and Space Science from the Indiana Department of Education, available at <https://www.doe.in.gov/sites/default/files/licensing/earth-and-space-science.pdf>