REQUIREMENTS FOR THE BACHELOR OF SCIENCE IN EDUCATION AND CERTIFICATION IN FIELD OF STUDY

JEANNINE RAINBOLT COLLEGE OF EDUCATION — THE UNIVERSITY OF OKLAHOMA

For Students Entering the Oklahoma State System for Higher Education **Summer 2014 through Spring 2015**

Credit Hours and Grade Average Requirements

Minimum Hours for Graduation. **124**
Minimum Overall Grade Point Average **2.75**
Minimum OU Residence Grade Point Average **2.75**
Minimum Grade Point Average in Major **2.75**
Minimum Requirements for Certification:
Undergraduate Degree PLUS Certification Exams

Science Education: Earth Science

B832

Bachelor of Science in Education

OU encourages students to complete at least 31 hours of applicable coursework each year to have the opportunity to graduate in four years.

GENERAL EDUCATION REQUIREMENTS—41 Hours

These General Education courses meet minimum University, College and State General Education Requirements.

Areas	Courses	Hours
Communication Skills-9 hours	ENGL 1113, Prin. of English Composition (Core I) ENGL 1213, Prin. of English Composition (Core I), **or** EXPO 1213, Expository Writing COMM1113, Prin. of Communication (Core I), **or** COMM2613, Public Speaking	3 3 3
Mathematics-6 hours	MATH 1823, Calculus & Analytic Geometry I, or higher (Core I) MATH 2423, Calculus & Analytic Geometry II, or higher	3 3
U.S. History & Government-6 hours	HIST 1483, U.S. 1492-1865, **or** (Core IV) HIST 1493, U.S. 1865-Present **and** P SC 1113, American Federal Government (Core III)	3 3
Biological and Physical Sciences-8 hours	BIOL 1114, Introductory Zoology (Core II-NL) GEOL 2014, The Earth System (Core II-LAB)	4 4
Arts & Humanities-6 hours	Any one course chosen from Core IV-Artistic Forms. _____ (Core IV-AF) HSCI 3013, History of Science to Newton, **or** HSCI 3023, History of Science Since the 17th C. (Core IV-WC)	 3 3
Social & Behavioral Sciences-3 hours	GEOG 3253, Environmental Conservation (Core III-SS)	3
Foreign Language-0-10 hours	Students must meet both requirements outlined below: University-Wide General Education Requirement: Two college- level courses in a single foreign language are required; may be satisfied by successful completion of 2 years in a single foreign language in high school. (Core I), **and,** Oklahoma State Regents for Higher Education Requirement: Teacher candidates must demonstrate conversational skills at a novice-high level in a language other than English. *The novice-high level language requirement may be satisfied by classical, modern, Native or American Sign Language.	0-10
Non-Western Culture-3 hours	HSCI 3313, Science & Technology in Asian History, **or** HSCI 3453, Science & Civilization in Islam, **or** HSCI 3483, Technology, Politics, & International Development (Core IV-NWC)	3
Senior Capstone	EDSC 4533–Satisfied under Professional Education requirements. (Core V)	

The 41 hours above, along with 14 hours notated by † in the Specialized Education column, comprise the 55 hours required for Liberal Arts & Sciences.

MAJOR REQUIREMENTS

PROFESSIONAL EDUCATION 33 Hours

Courses	Hours
EIPT 3473, Educational Psychology of Childhood and Adolescence	3
*EIPT 3483, Cognition, Motivation, & Classroom Management for Teachers	3
EDSP 3054, Understanding & Accommo-dating Students with Exceptionalities	4
EIPT 3011, Productivity Tools for Education (may be satisfied by competency exam; if not satisfied by exam, this additional hour is required)	0-1
EIPT 3043, Learning with Educational Technologies	3
*EDS 4003, Schools in American Cultures	3
EDSC 4970, Environmental Education	2
*EDSC 4513, Teaching Science in Secondary Schools	3
The following courses are taken together in the final semester:	
EDSC 4533, Advanced Methods in Science teaching (Capstone)	3
*EDUC 4060, Teaching Experiences in the Secondary School	9

*These courses require field experience.

Students must maintain a minimum of 2.75 grade point average with no grade less than a C in the Professional Education courses for graduation.

SPECIALIZED EDUCATION 50 Hours

Courses	Hours
Biological Science - satisfied under gen Ed	
BIOL 1114, Introductory Zoology	
Chemistry - 10 hours	
†CHEM 1315, General Chemistry,	5
†CHEM 1415, General Chemistry	5
Physics - 10 hours	
PHYS 1205, Intro. Physics I for Majors, **or** PHYS 2514, Phys. for Life Sci. Majors, **and** PHYS 1311 General Physics Lab I	5
PHYS 1215, Intro. Physics II for Majors, **or** PHYS 2524, Phys. for Life Sci. Majors, **and** PHYS 1321, Physics Lab II	5
Earth & Space Science - 22 hours	
†ASTR 1514, Astronomy: Exploring the Universe with Lab	4
GEOG 3253, Environ. Conserv. (Gen Ed)	
†GEOL 1024, History of Earth and Life	4
GEOL 1114, Physical Geology for Science & Engineering Majors	4
GEOL 2014, The Earth System (Gen Ed)	
METR 1014, Intro. to Weather and Climate	4
†METR 2603, Severe and Unusual Weather	3
METR/GEOL 4533, Earth's Past Climate	3
Statistics - 3 hours	
†PSY 2003, Understanding Statistics	3
Research - 2 hours	
GEOL/METR 3990 or 4990, Independent Study	2
Electives - 3 hours Selected from subject area in which certification is sought. Electives may be selected from the list below, or other appropriate courses approved by adviser.	3
ASTR 1523, Life in the Universe	
ASTR 2513, Intro. Astrophysics	
GEOL 3633, Intro. to Oceanography	
GIS 2023, Intro. to Spatial Thinking and Computer Mapping	
GIS 4133, Fundamentals of Remote Sensing	
GIS 4353, Survey of Geospatial Information Technologies	

Students must maintain a minimum of 2.75 grade point average with no grade less than a C in the Specialized Education courses for graduation.

A minimum of 40 hours must be completed at the upper-division level.

CERTIFICATION: To be fully certified, students must pass Certification Examinations for Oklahoma Educators, apply for a license, and successfully complete the residency program.

SEE REVERSE SIDE FOR ADDITIONAL INFORMATION CONCERNING REQUIREMENTS.

Suggested Semester Plan of Study — Science Education: Earth Science - B832

Year	FIRST SEMESTER	Hours	SECOND SEMESTER	Hours
FRESHMAN	ENGL 1113, Principles of English Composition (Core I)	3	ENGL 1213, Principles of English Composition (Core I), **or**	3
	MATH 1823, Calculus & Analytic Geometry I or higher (Core I)	3	EXPO 1213, Expository Writing (Core I)	
	HIST 1483, U.S. 1492-1865, **or** HIST 1493, U.S. 1865-Present	3	MATH 2423, Calculus & Analytic geometry II or higher	3
	COMM 1113, Prin. of Communication, **or**	3	P SC 1113, American Federal Government (Core III)	3
	2613, Public Speaking (Core I)		GEOL 1024, The History of Earth and Life	4
	BIOL 1114, Introductory Zoology	4	GEOL 2014, The Earth System (Core II-Lab)	4
	TOTAL CREDIT HOURS	**16**	**TOTAL CREDIT HOURS**	**17**
SOPHOMORE	EIPT 3473, Educational Psychology of Childhood and Adolescence	3	EIPT 3483, Cognition, Motivation, & Classroom Management for Teachers	3
	Understanding Artistic Forms (Core IV-AF)	3	CHEM 1415, General Chemistry (continued)	5
	METR 1014, Introduction to Weather and Climate	4	GEOL 1114, Physical Geology for Science and Engineering Majors	4
	PSY 2003, Understanding Statistics	3	GEOG 3253, Environmental Conservation (Core III-SS)	3
	CHEM 1315, General Chemistry	5		
	TOTAL CREDIT HOURS	**18**	**TOTAL CREDIT HOURS**	**15**
JUNIOR	EDSP 3054, Understanding & Accommodating Students with Exceptionalities	4	EDS 4003, Schools in American Cultures	3
	HSCI 3013, History of Science to Newton, **or** 3023, History of Science Since 17th C.	3	EIPT 3043, Learning with Educational Technologies	3
	PHYS 1205, Intro. Physics I for Physics Majors, **or**	5	HSCI 3313, 3453, or 3483 (Core IV-NWC)	3
	2514, Gen. Physics for Engr/Sci Majors **and** 1311 Gen. Physics Lab I		PHYS 1215, Intro. Physics II for Physics Majors, **or**	5
	ASTR 1514, Astronomy: Exploring the Universe with Lab	4	2524, Gen. Physics for Engr/Sci Majors **and** 1321, Gen Physics Lab II	
			METR 2603, Severe and Unusual Weather	3
	TOTAL CREDIT HOURS	**16**	**TOTAL CREDIT HOURS**	**17**
SENIOR	EDSC 4513, Teaching Science in Secondary Schools	3	EDUC 4060, Teaching Experiences in the Secondary School	9
	EDSC 4970, Environmental Education	2	EDSC 4533, Advanced Methods in Science Teaching (Core V)	3
	GEOL/METR 4533, Earth's past Climate	3		
	GEOL/METR 3990 or 4990, Independent Study	2		
	Science Elective from approved list	3		
	TOTAL CREDIT HOURS	**13**	**TOTAL CREDIT HOURS**	**12**

Bachelor's degrees require a minimum of 40 hours of upper-division (3000-4000) coursework.
Additional credit hours may be required in the same college-level foreign language. Teacher candidates must demonstrate conversational skills at a novice-high level in a language other than English. This plan of study should not be used in lieu of academic advisement.

CERTIFICATION AND DEGREE REQUIREMENTS

ADMISSION REQUIREMENTS—JEANNINE RAINBOLT COLLEGE OF EDUCATION

Students are eligible for admission to the Jeannine Rainbolt College of Education with:

a. a minimum of 24 semester hours earned from an accredited institution of higher learning;
b. a minimum of **2.75** combined retention grade point average on all coursework attempted;
c. a declared major in education.

FULL ADMISSION REQUIREMENTS—TEACHER EDUCATION AND PROFESSIONAL STUDIES PROGRAMS

Students are eligible for admission to Teacher Education with:

a. a minimum of 30 semester hours from an accredited institution of higher learning to include the following 24 hours as defined by the Oklahoma State Regents for Higher Education with a grade of C or better: English (Composition and Literature)-6 hours; MATH, Gen. Ed. Core I -3 hours; American History-3 hours; American Government-3 hours; Humanities to include Artistic Forms, Western Civilization, Non-Western Culture, World Language, or other adviser-approved Gen. Ed. course -3 hours; Social and Behavioral Sciences-3 hours; Natural Sciences-3 hours.
b. a minimum of **2.75** grade point average (OU retention and combined retention) on all coursework attempted;
c. successful completion of the OGET (Oklahoma General Education Test) or PPST (Pre Professional Skills Test) The OGET Exam requires a minimum score of 240. All three portions of the PPST must be passed with minimum cut scores of MATH 171, WRITING 172, and READING 173.

Admission to a teaching program requires submission of an application, essay, background check, and an interview with the admission committee prior to enrollment in the first education course.

RETENTION REQUIREMENTS—JEANNINE RAINBOLT COLLEGE OF EDUCATION

a. Students must maintain a minimum **2.75** grade point average (OU retention and combined retention) in all **undergraduate** coursework and a minimum 3.00 grade point average in all **graduate** coursework attempted.
b. Students must maintain a minimum of **2.75 undergraduate** grade point average in both professional education courses and in specialized education courses with no grade less than a **C** and must maintain a minimum of 3.00 grade point average in **graduate** professional and specialized education courses, with no grade less than a **B**.
c. Students must earn a C or better in Communication 1113 or Communication 2613.
d. Students whose OU retention or combined retention grade point averages at the **undergraduate** level fall below **2.75** will be subject to dismissal from the college. At the **graduate** level, students must meet Graduate College requirements.
e. Students who have not earned OU retention and combined retention grade point averages of **2.75** after the completion of 60 semester hours will be dismissed from the College.
f. Because one college level math course is a requirement for full admission into both the college and the teacher preparation program, declared Education majors must complete at least one college-level Math within the first four semesters of enrollment at OU. Transfer students who have not completed a college level Math course will have two semesters to complete the requirement. Students who fail to meet the requirement within the time limits specified will be subject to dismissal from the College.
g. Coursework more than 10 years old in the teaching specialization and professional education may not be credited toward the completion of a teacher education degree and/or certificate program. However, coursework over 10 years old may be reviewed by the appropriate certificate committee for possible credit toward the completion of a teacher education degree and/or certificate program.
h. A student has 6 years to complete a teacher education degree and/or certificate program after full admission. After the 6-year period, a student must seek readmission to that program and meet the catalog requirements in effect at the time of readmission.
i. Students **will be** withdrawn from courses for failing to observe prerequisites and corequisites. Continued disregard of prerequisites and corequisites is grounds for dismissal from the College.

FIELD EXPERIENCES: Transfer students without appropriate field experiences may be required to enroll in EDUC 2400.

PASS/NO PASS ENROLLMENT: Only general education electives may be taken under the pass/no pass option.

RESIDENCE REQUIREMENTS: Students must complete either the last 30 hours or 45 of the last 60 hours after being fully admitted to a teacher education program to satisfy this requirement.

REQUIREMENTS TO BE COMPLETED TO BE ELIGIBLE FOR STUDENT TEACHING INTERNSHIP: Students must be in good standing and have completed **all** baccalaureate degree requirements with the exceptions of EDUC 4060 and EDSC 4533.

JUNIOR COLLEGE TRANSFER STUDENTS: Students transferring from a junior college may use the transferred credit to meet certain lower-division course requirements only; that is, freshman and sophomore-level courses.

DEGREE COMPLETION RESPONSIBILITY: Although the Dean's Office checks each student's records, **the responsibility for meeting degree requirements lies with the student** and not with the adviser or the Dean. Each student should obtain a copy of his or her requirements for graduation and check it regularly as he or she completes his or her degree program.

GRADUATION APPLICATION: The final step to be completed by the student before graduation is the filing of an official Application for Graduation. The Application for Graduation should be filled out online by October 1 for fall graduation, March 1 for spring graduation, and July 1 for summer graduation. **The student's degree will not be conferred, nor any completion statement entered on his or her transcript, until the required application is filed.**