

**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 2018 through  
Spring 2019**

Credit Hours and Grade Average Requirements	
Minimum Hours for Graduation. . . . .	124
Minimum Overall Grade Point Average . . . . .	2.75
Minimum OU Retention Grade Point Average . . . . .	2.75
Minimum Grade Point Average in Major . . . . .	2.75
<b>Minimum Requirements for Certification:</b>	
<b>Undergraduate Degree PLUS Certification Exams</b>	

Science Education: Physics  
  
**B834**  
  
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			MAJOR REQUIREMENTS				
These General Education courses meet minimum University, College and State General Education Requirements.			PROFESSIONAL EDUCATION 31 Hours		SPECIALIZED EDUCATION 52 Hours		
Areas	Courses	Hours	Courses	Hours	Courses	Hours	
<b>Communication Skills-9 hours</b>	ENGL 1113, Prin. of English Composition (Core I)	3	*EIPT 3473, Learning, Development, & Assessment for Teachers	3	<b>Biological Science</b> - satisfied under Gen Ed		
	ENGL 1213, Prin. of English Composition (Core I), or	3	EDSP 3053 Understanding & Accommodating Exceptional Learners	3		<b>Chemistry - 10 hours</b>	
	EXPO 1213, Expository Writing COMM1113, Prin. of Communication (Core I), or COMM2613, Public Speaking	3	EIPT 3043, Learning with Educational Technologies	3		†CHEM 1315, General Chemistry	5
<b>Mathematics-6 hours</b>	MATH 1823, Calculus & Analytic Geometry I, or higher (Core I)	3	*EDS 4003, Schools in American Cultures	3	†CHEM 1415, General Chemistry	5	
	MATH 2423, Calculus & Analytic Geometry II, or higher	3	*EIPT 3483, Motivation & Classroom Management for Teachers	3	<b>Physics - 13 hours</b>		
<b>U.S. History &amp; Government-6 hours</b>	HIST 1483, U.S. 1492-1865, or (Core IV)	3	*EDSC 4513, Teaching Science in Secondary Schools	3	PHYS 1205, Intro. Physics I for Majors, and PHYS 1215, Intro. Physics II for Majors		
	HIST 1493, U.S. 1865-Present and P SC 1113, American Federal Government (Core III)	3			<b>OR</b>		
<b>Natural Science-8 hours</b>	BIOL 1114, Introductory Zoology (Core II-NL)	4			PHYS 2514, Gen. Phys. for Engr/Sci Majors, and PHYS 1311 General Physics Lab I, and PHYS 2524, Gen. Phys. for Engr/Sci Majors, and PHYS 1321, Physics Lab II	5	
	GEOL 2014, The Earth System (Core II-LAB)	4	The following courses are taken together in the final semester:			5	
<b>Arts &amp; Humanities-6 hours</b>	Any one course chosen from Core IV-Artistic Forms.		EDSC 4533, Advanced Methods in Science teaching (Capstone)	3	PHYS 2203, Intro. Physics III: Modern Physics	3	
	_____ (Core IV-AF)	3	*EDUC 4060, Teaching Experiences in the Secondary School	10	<b>Earth &amp; Space Science - 7 hours</b>		
	HSCI 3013, History of Science to Newton, or HSCI 3023, History of Science Since the 17th C. (Core IV-WC)	3	*These courses require field experience.		†ASTR 1504, Astronomy: Exploring the Universe, or †ASTR 1514, Astronomy: Exploring the Universe with Lab	4	
<b>Social &amp; Behavioral Sciences-3 hours</b>	GEOG 3253, Environmental Conservation (Core III-SS)	3	<b>Students must maintain a minimum of 2.75 grade point average with no grade less than a C in the Professional and Specialized Education courses for graduation.</b>		GEOL 1003, Volcanoes & Earthquakes	3	
					<b>Statistics - 3 hours</b>		
<b>Foreign Language-0-10 hours</b>	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			PSY 2003, Understanding Statistics	3	
					<b>Mathematics - 3 hours</b>		
<b>Non-Western Culture-3 hours</b>	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			MATH 2433, Calculus & Analytic Geometry III or higher	3	
					<b>Research - 2-3 hours</b>		
<b>Senior Capstone</b>	EDSC 4533—Satisfied under Professional Education requirements. (Capstone, Core V)				PHYS 2303, Electronics, or PHYS 3302, Advanced Lab I PHYS 3990, Independent Study, or PHYS 4990, Independent Study	2-3	
					<b>Environmental Science - 3 hours</b>		
			A minimum of 40 hours must be completed at the upper-division level.				

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

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

## Suggested Semester Plan of Study — Science Education: Physics — B834

Year	FIRST SEMESTER	Hours	SECOND SEMESTER	Hours
<b>FRESHMAN</b>	ENGL 1113, Principles of English Composition (Core I)	3	ENGL 1213, Principles of English Composition (Core I), <b>or</b>	3
	MATH 1823, Calculus & Analytic Geometry I or higher (Core I)	3	EXPO 1213, Expository Writing (Core I)	
	HIST 1483, U.S. 1492-1865, <b>or</b> HIST 1493, U.S. 1865-Present	3	MATH 2423, Calculus & Analytic geometry II or higher	3
	COMM 1113, Prin. of Communication, <b>or</b>	3	P SC 1113, American Federal Government (Core III)	3
	2613, Public Speaking (Core I)		GEOL 2014, The Earth System (Core II-Lab)	4
	BIOL 1114, Introductory Zoology	4	GEOL 1003, Volcanoes and Earthquakes	3
	<b>TOTAL CREDIT HOURS</b>	<b>16</b>	<b>TOTAL CREDIT HOURS</b>	<b>16</b>
<b>SOPHOMORE</b>	EIPT 3473, Learning, Development, and Assessment for Teachers	3	EDSP 3053, Understanding & Accommodating Exceptional Learners	3
	Understanding Artistic Forms (Core IV-AF)	3	CHEM 1315, General Chemistry	5
	PSY 2003, Understanding Statistics	3	GEOG 3253, Environmental Conservation (Core III-SS)	3
	MATH 2433, Calculus & Analytic Geometry III	3	PHYS 1215, Intro. Physics II for Physics Majors, <b>or</b>	5
	PHYS 1205, Intro. Physics I for Physics Majors, <b>or</b>	5	2524, Gen. Physics for Engr/Sci Majors <b>and</b> 1321, Gen Physics Lab II	
	2514, Gen. Physics for Engr/Sci Majors <b>and</b> 1311 Gen. Physics Lab I			
	<b>TOTAL CREDIT HOURS</b>	<b>17</b>	<b>TOTAL CREDIT HOURS</b>	<b>16</b>
<b>JUNIOR</b>	EDS 4003, Schools in American Cultures	3	EIPT 3043, Learning with Educational Technologies	3
	HSCI 3013, History of Science to Newton, <b>or</b> 3023, History of Science Since the 17th Century (Core IV-WC)	3	HSCI 3313, 3453, or 3483 (Core IV-NWC)	3
	ASTR 1504, Astronomy: Exploring the Universe, <b>or</b> 1514, Astronomy: Exploring the Universe with Lab	4	Science Elective	3
	PHYS 2203, Intro. Physics III: Modern Physics	3	Science Elective	3
	CHEM 1415, General Chemistry (continued)	5	Science Elective	3
		<b>TOTAL CREDIT HOURS</b>	<b>18</b>	<b>TOTAL CREDIT HOURS</b>
<b>SENIOR</b>	EIPT 3483, Motivation & Classroom Management for Teachers	3	EDUC 4060, Teaching Experiences in the Secondary School	10
	EDSC 4513, Teaching Science in Secondary Schools	3	EDSC 4533, Advanced Methods in Science Teaching (Capstone)	3
	EDSC 3233, Environmental Issues in the Community	3		
	PHYS 2303, Electronics, <b>or</b> PHYS 3302, Advanced Lab I, <b>or</b>	2-3		
	PHYS 3990/4990 Independent Study (2 hours)			
	Science Elective	2		
	<b>TOTAL CREDIT HOURS</b>	<b>13-14</b>	<b>TOTAL CREDIT HOURS</b>	<b>13</b>

**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. When a student accepts an offer of admission into a JRCoE department or program, he or she commits to comply with all its regulations, including those regarding professional conduct and dispositions that are contained in the JRCoE [Professional Behavior Policy](#).
- b. 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.
- c. 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.
- d. Students must earn a C or better in Communication 1113 or Communication 2613.
- e. 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.
- f. 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.
- g. 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.
- h. 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.
- i. 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.
- j. 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 September 15 for fall graduation, February 15 for spring graduation, and June 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.**