

# 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 2010 through Spring 2011**

**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 Graduate Certification Component**

Mathematics  
  
**B673**  
  
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.**

<b>GENERAL EDUCATION REQUIREMENTS—55 Hours</b>			<b>MAJOR REQUIREMENTS</b>			
These General Education courses meet minimum University, College and State General Education Requirements.			<b>PROFESSIONAL EDUCATION 25 Hours</b>		<b>SPECIALIZED EDUCATION 54 Hours</b>	
Areas	Courses	Hours	Courses	Hours	Courses	Hours
<b>Communication Skills-9 hours</b>	ENGL 1113, Prin. of English Composition (Core I)	3	*EDS 4003, Schools in American Cultures	3	<b>MATHEMATICS</b> #1823, Calculus & Analytic Geometry I 3 #2423, Calculus & Analytic Geometry II 3 2433, Calculus & Analytic Geometry III 3 2443, Calculus & Analytic Geometry IV 3 2513, Discrete Mathematical Structure 3 3113, Intro. to Ordinary Diff. Equations 3 3333, Linear Algebra I 3 3613, Modern Geometry 3 4323, Intro. to Abstract Algebra I 3 4753, Applied Statistical Methods 3  <b>Advanced Mathematics: 3-9 hours.:</b> 4193, Introductory Math Modeling 4383, Applied Modern Algebra 4673, Graph Theory I 4733, Math Theory of Probability 4793, Applied Statistics 4803, Topics in Mathematics 4853, Introduction to Topology  #PHYS 2514, Physics for Engineering & Science Majors 4  C S 1313, Program. for Non-Majors, or *C S 1323, Intro. to Computer Prog. (*requires purchase of laptop) 3  HSCI 3013, Hist. of Sci. to Age of Newton, or HSCI 3023, Hist. of Sci. since 17th Century, or approved equivalent 3  ‡ = these 10 hours along with the 45 hours listed in General Education comprise the 55 hour minimum college requirement for General Education.  <b>Specialization Electives:</b> To be chosen in consultation with adviser. 5-11  <b>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.</b>	
	ENGL 1213, Prin. of English Composition (Core I), or EXPO 1213, Expository Writing COMM1113, Prin. of Communication (Core I), or COMM2613, Public Speaking	3	EDSP 3054, Understanding & Accommodating Students with Exceptionalities	4		
<b>U.S. History &amp; Government-6 hours</b>	HIST 1483, U.S. 1492-1865, or (Core IV) HIST 1493, U.S. 1865-Present	3	SEIPT 3043, Learning with Educational Technologies	3		
	and P SC 1113, American Federal Government (Core III)	3	EIPT 3473, Educational Psychology of Childhood and Adolescence	3		
<b>Biological Science-4-5 hours</b>	One course from one of the following areas: (must include a laboratory component) Biology (Core II) Botany (Core II) Microbiology (Core II) Zoology (Core II)	4-5	*EIPT 3483, Cognition, Motivation, & Classroom Management for Teachers	3		
			EDMA 4233, Developing Problem-Solving Environments for Secondary Mathematics Learning	3		
<b>Behavioral Science-3 hours</b>	ANTH, PSY, or SOC _____ (Core III)	3	*ILAC 4003, Partnerships: Working with Parents & Community	3		
			‡EDMA4243, Fundamental Concepts & Methods of Teaching Secondary Mathematics	3		
			§This course fulfills the Computer Literacy Requirement for graduation as required by the Oklahoma State Regents for Higher Education.  *These courses require field experience.			
<b>Arts &amp; Humanities-9 hours</b>	PHIL _____ (Core IV)	3	<b>GRADUATE CERTIFICATION COMPONENT</b>  1. Receive the Bachelor's degree before beginning the graduate certification component. 2. Meet Graduate College admission requirements and be admitted. (The academic forgiveness policy is not applicable for admission to the Graduate College.) 3. Complete the graduate certification component in order to fulfill requirements for teacher certification.  <b>9 Hours</b>			
	Any two courses chosen from Core IV-Artistic Forms. No more than one course from each designator/prefix. _____ (Core IV-AF)	3				
	_____ (Core IV-AF)	3				
<b>Contemporary World Culture-3 hours</b>	One course from one of the following areas: American Ethnic Studies Economics Foreign Language Geography World Literature	3	*EDUC 5920, Internship in Education	6		
<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) <b>and,</b> Oklahoma State Regents for Higher Education Requirement: Teacher candidates must demonstrate conversational skills at a novice-high level in a language other than English.	0-10	One of the following: MATH 5990, Special Problems in Math. EDMA 5753, Theory & Research in Mathematics Education ILAC 5143, Theory & Research in Educ.	3		
<b>Non-Western Culture-3 hours</b>	To be chosen from the University-Wide General Education Approved Course List (3000-level or above) and adviser approved. (Core IV)	3				
<b>Senior Capstone 0 hours</b>	EDMA 4243 - Satisfied under Professional Education requirements	0				
<b>Electives-7-8 hours</b>	Electives to total 55 hours.	7-8				

The 45 hours above, along with 13 hours notated by ‡ in the Professional and Specialized Education column, comprise the 55 hours required for General Education. **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 — Mathematics Education — B673

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	3	EXPO 1213, Expository Writing (Core I)	3
	HIST 1483, U.S. 1492-1865, <b>or</b> HIST 1493, U.S. 1865-Present	3	MATH 2423, Calculus & Analytic Geometry II	3
	Biological Sciences, one course in BOT/MBIO/ZOO	4-5	P SC 1113, American Federal Government (Core III)	3
	COMM 1113, Principles of Communication, <b>or</b>	3	ANTH, <b>or</b> PSY, <b>or</b> SOC (Core III)	3
	2613, Public Speaking (Core I)		Arts & Humanities (Core IV-Artistic Forms)	3
	<b>TOTAL CREDIT HOURS</b>	<b>16-17</b>	<b>TOTAL CREDIT HOURS</b>	<b>15</b>
<b>SOPHOMORE</b>	MATH 2433, Calculus & Analytic Geometry III	3	EIPT 3483, Cognition, Motivation, & Classroom Management for Teachers	3
	MATH 2513, Discrete Mathematical Structure	3	MATH 2443, Calculus & Analytic Geometry IV	3
	EIPT 3473, Educational Psychology of Childhood and Adolescence	3	MATH 3613, Modern Geometry	3
	PHIL (Core IV)	3	General Education Elective	4-5
	PHYS 2514, General Physics for Engineering & Science Majors	4		
	<b>TOTAL CREDIT HOURS</b>	<b>16</b>	<b>TOTAL CREDIT HOURS</b>	<b>13-14</b>
<b>JUNIOR</b>	Arts & Humanities (Core IV-Artistic Forms)	3	MATH 3333, Linear Algebra I	3
	MATH 3113, Intro. to Ordinary Differential Equations	3	HSCI 3013, Hist. of Sci. to Age of Newton, <b>or</b> HSCI 3023, Hist. of Sci. since	3
	EDMA 4233, Developing Problem-Solving Environments for Secondary Mathematics Learning	4	17 <sup>th</sup> Century, <b>or</b> approved equivalent	3
	EDSP 3054, Understanding & Accommodating Students with Exceptionalities	3	EDS 4003, Schools in American Cultures	3
	Contemporary World Culture, one course	3	EIPT 3043, Learning with Educational Technologies	4
	<b>TOTAL CREDIT HOURS</b>	<b>16</b>	<b>TOTAL CREDIT HOURS</b>	<b>16</b>
<b>SENIOR</b>	C S 1313, Program. For Non-Majors, <b>or</b> C S 1323, Intro. to Computer Prog.	3	EDMA 4243, Fundamental Concepts & Methods (Capstone)	3
	MATH 4323, Intro. to Abstract Algebra I	3	MATH 4753, Applied Statistical Methods	3
	ILAC 4003, Partnerships; Working with Parents & Community	3	Advanced MATH or Specialized Elective	3
	Advanced MATH or Specialized Elective	4	Non-Western Culture—Upper-Division (Core IV, Adviser Approved)	3
	General Education Elective	3	Advanced MATH elective	3
	<b>TOTAL CREDIT HOURS</b>	<b>16</b>	<b>TOTAL CREDIT HOURS</b>	<b>15</b>
<b>BACHELOR'S DEGREE COURSEWORK COMPLETED — 124 HOURS</b>				
<b>GRADUATE</b>	EDUC 5920, Internship in Education	6	<b>Bachelor's degrees require a minimum of 40 hours of upper-division (3000-4000) coursework.</b> 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.	
	One of the following courses: EDMA 5753, Theory & Research in Mathematics Education ILAC 5143, Theory & Research in Educ. MATH 5990, Special Problems in Math	3		
	<b>TOTAL CREDIT HOURS</b>	<b>9</b>		

### 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; College Algebra-3 hours; American History-3 hours; American Government-3 hours; Humanities-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 PPST (Pre-Professional Skills Test) or OGET (Oklahoma General Education Test) unless otherwise exempted by a 3.00 combined retention grade point average on all liberal arts and sciences coursework. All three portions of the PPST must be passed with minimum cut scores of MATH 171, WRITING 172, READING 173, or the OGET with a minimum score of 240.

Admission to a teaching program requires submission of an application, essay 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 average at the **undergraduate** level falls 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 an OU retention and combined retention grade point average of 2.75 after the completion of 60 semester hours will be dismissed from the College.
- f. 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.
- g. 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.
- h. 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.
- i. To be eligible for the Graduate Certification Component, students must have been admitted to the Graduate College in good standing (3.0 on last 60 hours) or conditionally (2.75-2.99 on last 60 hours). **The academic forgiveness policy is not applicable for admission to the Graduate 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 have been admitted to the Graduate College in good standing (3.0 on last 60 hours) or conditionally (2.75-2.99 on last 60 hours) and have satisfied **all** baccalaureate degree requirements.

**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. Forms may be obtained from the Student Services Center and should be filed at the Office of Academic Records 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.**