

## Bachelor of Science in Mathematics/Teacher Certification -- University of Science and Arts of Oklahoma

### Interdisciplinary Studies (IDS) (46-48 hours)

		Hours	Sem/Grade			Hours	Sem/Grade
IDS 1013	Rhetoric and Critical Thinking	3	____/____	IDS 2013	Foundations of Physical Science	3	____/____
IDS 1133	The Individual in Contemporary Society	3	____/____	IDS 2023	Foundations of Life Science	3	____/____
IDS 1113	Introduction to College Writing	3	____/____	IDS 2011	Foundations of Science Laboratory	1	____/____
IDS 1213	Writing about Literature	3	____/____	IDS 2133	American Civilization I	3	____/____
IDS 1223	Mathematics in the Modern World	3	____/____	IDS 2143	American Civilization II	3	____/____

### Artistic Expression -- 2 hours

		____	____/____
		____	____/____

### Physical Expression -- 2 hours

PHED 1011	Concepts of Health and Fitness	1	____/____
		1	____/____

		3	____/____
IDS 3223	Political and Economic Systems & Theories	3	____/____
IDS 3313	World Thought and Culture I	3	____/____
IDS 3323	World Thought and Culture II	3	____/____
IDS 4333	World Thought and Culture III	3	____/____
IDS 4522	Senior Seminar OR	2	____/____
IDS 4462	Research Project II (prerequisite: IDS 4462)	2	____/____

### Professional Education (34 hours)

"C" or better is required in professional education classes

		Hours	Sem/Grade
EDUC 2002	Orientation to Teaching	2	____/____
EDUC 2011	Level 1 Clinical Experiences	1	____/____
EDUC 2022	Education of the Exceptional Child	2	____/____
EDUC 2103	Human Development & Learning	3	____/____
EDUC 3102	Educational Psychology	2	____/____
EDUC 3203	School & Society	3	____/____
EDUC 3211	Level 2 Clinical Experiences	1	____/____
EDUC 3343	Educational Technology	3	____/____
MATH 4463	Teaching Mathematics in the Secondary School	3	____/____
*EDUC 4410	Professional Trimester/Student Teaching	10	____/____
*EDUC 4542	Applied Professional Studies	2	____/____
EDUC 4442	Classroom Management/Evaluation Theory	2	____/____

**\*EDUC 4410 & EDUC 4542 Must be taken Concurrently**

This program qualifies individuals to obtain an Oklahoma teaching certificate and teach mathematics in grades 5-12.

### Foreign Language Competency Requirement

		____	____/____
		____	____/____

### Electives:

MATH 3333	Modern Algebra II	3	____/____
MATH 3353	Differential Equations	3	____/____
MATH 3363	Advanced Calculus I	3	____/____
MATH 3373	Advanced Calculus III	3	____/____
MATH 4413	Numerical Analysis	3	____/____
MATH 4423	Complex Variable Theory	3	____/____

### Mathematics - Major Classes (43 hours)

		Hours	Sem/Grade
MATH 1513	College Algebra	3	____/____
MATH 1613	Trigonometry	3	____/____
MATH 1743	Calculus & Analytic Geometry I	3	____/____
MATH 2223	Calculus & Analytic Geometry II	3	____/____
MATH 2243	Calculus & Analytic Geometry III	3	____/____
MATH 3233	Linear Algebra	3	____/____
MATH 3263	Calculus & Analytic Geometry IV	3	____/____
MATH 3253	Foundation of Mathematics	3	____/____
MATH 3313	Advanced Euclidean Geometry	3	____/____
MATH 3323	Modern Algebra I	3	____/____
MATH 4303	Probability & Statistics I	3	____/____
MATH 4403	Probability & Statistics II	3	____/____

### Additional Required Courses:

CSCI 1143	Introduction to Computing	3	____/____
NSCI 2710/1	STEM Communication	1	____/____
NSCI 3710/1	Next Step Prep	1	____/____
IDS 2011	Foundations of Science Lab	1	____/____
PHYS 2113	General Physics I	3	____/____

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**Personal Information**

Name \_\_\_\_\_  
Address \_\_\_\_\_  
City \_\_\_\_\_ Zip \_\_\_\_\_  
Cell \_\_\_\_\_ Home \_\_\_\_\_  
Student ID # \_\_\_\_\_  
Advisor \_\_\_\_\_  
Date \_\_\_\_\_  
Email \_\_\_\_\_  
Email \_\_\_\_\_

**General Information**

Date Admitted to Teacher Education \_\_\_\_\_  
Passed English Proficiency Requirement \_\_\_\_\_  
Date Accepted for Professional Trimester \_\_\_\_\_  
Satisfactory Portfolio \_\_\_\_\_  
Computer Proficiency \_\_\_\_\_

**CEOE REQUIREMENT (for certification)**

**OK General Education Test (OGET):**

Date Passed \_\_\_\_\_ Score \_\_\_\_\_

**OK Subject Area Test (OSAT):**

Area \_\_\_\_\_ Date Passed \_\_\_\_\_ Score \_\_\_\_\_

**Praxis Performance Assessment for Teachers (PPAT):**

Area \_\_\_\_\_ Date Passed \_\_\_\_\_ Score \_\_\_\_\_

**General Requirements**

Overall Grade Point Average \_\_\_\_\_ 2.5  
Grade Point Average in Area of Specialization \_\_\_\_\_ 2.75

Total Hours Completed \_\_\_\_\_  
Hours in Math \_\_\_\_\_

Hrs.	GPA
_____	_____
_____	_____

**A minimum of 124 hours is required**  
**A minimum of 40 hours of upper division work is required**  
**Maximum of 62 hrs. of junior college coursework may count**  
**toward the baccalaureate degree at USAO.**  
**Degree requirements effective July 2022**

