

UAteach Checklist
BS Mathematics with UAteach Minor in Secondary Education
Grades 7-12 Mathematics Licensure

This program is designed to fulfill the course requirements for licensure as a secondary school (7-12) teacher in Arkansas. Completion of the program does not guarantee the student's licensure, as passing background checks and Praxis Exams is also required. This checklist has been created as a guide and is not considered to be an official document. For further information about meeting degree and additional licensure requirements, consult your academic advisor.

Students must complete 120 degree credit hours to include the University Core requirements, the Fulbright College of Arts and Sciences Graduation Requirements, the Mathematics Major requirements, and the UAteach program requirements.

University Core: The core courses add up to 24 credit hours, <i>not</i> including the math and science requirements. Core math and science requirements (8 hours science & 3 hours math) are satisfied within the mathematics degree plan, within a restricted list. One course cannot be used to meet more than one core requirement, such as US History and Social Sciences.	Hours
English: _____ ENGL 1013 Composition I _____ ENGL 1023 Composition II	6
US History: 3 semester hours from one of the following: Note: The course chosen may not be counted for both the US History requirement and a social science requirement. _____ HIST 2003 History of the American People to 1877 _____ PLSC 2003 American National Government _____ HIST 2013 History of the American People 1877 to Present	3
Social Sciences: 9 semester hours. Select three of the following courses from at least two different fields of study. _____ AGECE 1103 Principles of Agricultural Microeconomics _____ AGECE 2103 Principles of Agricultural Macroeconomics _____ ANTH 1023 Intro to Cultural Anthropology _____ COMM 1023 Communication in a Diverse World _____ ECON 2013 Principles of Macroeconomics _____ ECON 2023 Principles of Microeconomics _____ ECON 2143 Basic Economics: Theory and Practice _____ GEOG 2003 World Regional Geography _____ GEOG 1123 Human Geography _____ HESC 2413 Family Relations _____ HESC 1403 Life Span Development _____ HIST 1113 Institutions and Ideas of World Civilizations I _____ HIST 1123 Institutions and Ideas of World Civilizations II _____ HIST 2003 History of American People to 1877 _____ HIST 2013 History of American People 1877 to Present _____ HUMN 2114H Honors Birth of Modern Culture, 1600-1900 _____ HUMN 1114H Honors Roots of Culture 500 C.E. _____ PLSC 2013 Intro to Comparative Politics _____ PLSC 2003 American National Government _____ PLSC 2203 State and Local Government _____ PSYC 2003 General Psychology _____ RESM 2853 Leisure and Society _____ RSOC 2603 Rural Sociology _____ SOCI 2013 General Sociology _____ SOCI 2033 Social Problems	9
Humanities: 3 semester hours. Select one of the following: : _____ PHIL 2003 Intro to Philosophy _____ PHIL 2203 Logic _____ PHIL 2103 Intro to Ethics _____ PHIL 3103 Ethics and the Professions _____ ARCH 1013 Diversity and Design _____ Any intermediate I foreign language _____ CLST 1013 Intro to Classical Studies: Rome _____ CLST 1003 Intro to Classical Studies: Greece _____ HUMN 1124H Honors Equilibrium of Cultures, 500-1600 _____ COMM 1233 Media, Community and Citizenship _____ HUMN 2124H Honors Twentieth Century Global Culture _____ HUMN 2003 Intro to Gender Studies _____ _____ WLIT 1113 or 1123 World Literature I or II	3
Fine Arts: 3 semester hours. Select one of the following: _____ ARCH 1003 Basic Course in the Arts: Architecture _____ DANC 1003 Basic Course in the Arts: Movement and Dance _____ ARHS 1003 Basic Course in the Arts: Art Lecture _____ LARC 1003 Basic Course in the Arts: The American Landscape _____ COMM 1003 Basic Course in the Arts: Film Lecture _____ DRAM 1003 Theater Appreciation _____ MLIT 1003 Basic Course in the Arts: Music Lecture _____ MLIT 1013 Music Lecture for Music Majors	3
Total number of University Core credit hours required, excluding math and science courses.	24

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Sample Degree Guide – Fill in University Core (24) and other Electives to reach 120 credit hours

<u>Fall Semesters</u>		<u>Hours</u>	<u>Spring Semesters</u>		<u>Hours</u>
<i>Freshman Year</i>					
ARSC 1201	Step 1 Inquiry Approaches to Teaching	1	ARSC 1221	Step 2 Inquiry-Based Lesson Design	1
MATH 2554	Calculus I	4	MATH 2564	Calculus II	4
	Science with Lab	4	MATH 2803	Transition to Advanced Mathematics	3
	CORE ELECTIVE	3		Science with Lab	4
ENGL 1013	Composition I	3	ENGL 1023	Composition II	3
UNIV 1001	University Perspectives	1			
	TOTAL	16		TOTAL	15
<i>Sophomore Year</i>					
STEM 2103	Knowing and Learning	3	STEM 2203	Classroom Interactions	3
MATH 2903	Functions, Foundations, and Models	3	MATH 2584	Differential Equations	4
MATH 2574	Calculus III	4	CSCE 2004	Programming Foundations I	4
MATH 3093	Abstract Linear Algebra	3	MATH 3113	Introduction to Abstract Algebra	3
	CORE ELECTIVE	3			
	TOTAL	16		TOTAL	14
<i>Junior Year</i>					
STAT 3013	Intro to Probability (elective)	3	PHYS/CHEM/BIO 3273*	Research Methods* (you choose the focus area of your research)	3
MATH 3773	Foundations of Geometry (elective)	3	MATH 3133	History of Math (satisfies math elective and UAteach requirement)	3
MATH 4513	Advanced Calculus I	3	MATH 4523	Advanced Calculus II	3
	CORE ELECTIVE	3	MATH 4113	Introduction to Abstract Algebra II	3
	CORE ELECTIVE	3			
	TOTAL	15		TOTAL	12
<i>Senior Year</i>					
STEM 3303	Project-Based Instruction	3	STEM 4409	Teaching Internship (all day for 12 weeks + weekly evening seminar on UA campus)	9
MATH 4933	Math Major Seminar	3	STEM 4333 (night class)	Perspectives on Science & Math (if you have not taken History of Math)	3
MATH 4443	Complex Variable for Application	3			
	CORE ELECTIVE	3			
	CORE ELECTIVE	3			
	TOTAL	15		TOTAL	12

The Mathematics courses in blue indicate courses required by the B.S. degree (Pure Option), beyond the B.A. degree.

Some considerations for free electives:

Prepare for computer science licensure by passing the PRAXIS EXAM for Computer Science. CSCE 2004 (already required by the math degree), CSCE 2014, and CSCE 3193 will prepare you for the exam. Three more CSCE electives (numbered above 2000) will earn you a minor in Computer Science.

If University Physics I and II are chosen for science courses, only two more courses are required (PHYS 2094/2090L and PHYS 3614) along with PHYS 3273 (UAteach course) for a minor in physics, and preparation for Math/Physics licensure.

Coaching endorsement (24 credit hours) or CIED courses from College of Education & Health Professions

Spanish courses