

OUACHITA BAPTIST UNIVERSITY

Degree: B.A.

Major: Physics/Mathematics (Teaching Emphasis)

2017-18

COMMON CORE		Credit Hours
All students take the following courses.		
CORE 1002	OBU Connections [†]	2
CORE 1023	The Contemporary World	3
CORE 1043	Composition I	3
CORE 1113	Survey of the Bible	3
CORE 1123	Interpreting the Bible	3
CORE 2213	Western Civilization in Global Context	3
CORE 2233	World Literature	3
CORE 2334	Scientific Inquiry ¹ (Satisfied by major)	0
CORE 3023	Scientific Connections ² (Satisfied by major)	0
¹ Prerequisite: Completion of the Analytic & Quantitative Reasoning Requirement. ² Prerequisite: CORE 2334 Scientific Inquiry		
FLEXIBLE CORE		
Choose as indicated from each of the seven categories.		
Analytic & Quantitative Reasoning (One course*) (Satisfied by Major)		0
MATH 1003	College Algebra	
MATH 1033	Mathematics for the Liberal Arts	
PHIL 1003	Introduction to Philosophy	
PHIL 1023	Logic	
* Students with ACT math score of 22 or less (SAT 530 or less) must choose one of the MATH courses.		
Applied Skills (One course)		3
COMM 1003	Fundamentals of Public Speaking	
FINN 2003	Personal Finance	
Artistic Engagement (One course**)		3
FINA 3113	Fine Arts: Art	
FINA 3123	Fine Arts: Music	
FINA 3133	Fine Arts: Theatre	
** May be satisfied by participation in the European Study Program.		
Civic Engagement in America (One course)		3
PSCI 2013	American National Government	
HIST 2003	United States History to 1877	
HIST 2013	United States History Since 1877	
Intercultural Appreciation and Communication [†] (Two courses)		6
CHIN, FREN, GERM, GREK, HEBR, ITAL, LATN, JAPN, RUSS, SPAN	Two semesters of credit in the same foreign language. May also be satisfied by approved language-intensive study-abroad experience.	
Physical Well-being (One course)		3
KIN 1002	Concepts of Wellness	
KIN 2073	Health and Safety	
LST 2013	Outdoor Leisure Pursuits	
EXPERIENTIAL CORE		
CHAP 1000	Chapel (7 credits required)	0
FINA 4011	Arts Engagement Series	1
Total		39

[†] For more detail, refer to the School of Interdisciplinary Studies section of the catalog.

GENERAL GRADUATION REQUIREMENTS
7 Chapel Credits, or 1 per semester for transfer students
2.000 minimum GPA (overall, OBU, major, and minor)
At least 24 hours with grades of C or higher in the major
Jr./Sr. Hours: At least 39 total, 12 in the major and 6 in the minor
At least 60 hours taken at OBU, including 30 of last 36 hours.

CRITERIA FOR ADMISSION AND RETENTION TO TEACHER ED
Maintain a minimum 2.700 cumulative GPA in all areas
Minimum grade of C in Composition I, Mathematics for the Liberal Arts (or an approved course), and Foundations of Education
Minimum ACT Composite score of 24 (minimum score of 22 on the Math, Reading, and Writing sections) or minimum state scores on the Praxis Core Tests for Math, Reading, and Writing.
Satisfactory evaluation by academic advisor and two other faculty members

MAJOR – PHYSICS/MATHEMATICS		Credit Hours
PHYS 2054, PHYS 2064 or PHYS 2024, PHYS 2034	University Physics I, University Physics II or College Physics I College Physics II	8
PHYS 3004	Introduction to Modern Physics	4
PHYS 4023	Thermodynamics	3
Nine additional PHYS hours, with at least 6 at Jr/Sr level.		9
MATH 2014	Calculus I	4
MATH 2024	Calculus II	4
MATH 3003	Foundations of Geometry	3
MATH 3034	Calculus III	4
MATH 3063	Probability and Statistics	3
MATH 3083	History of Mathematics	3
MATH 4013	Methods in Secondary Mathematics	3
MATH 4883	Mathematics for Secondary Teachers	3
CSCI 1044	Programming I	4
Total		55

SECONDARY EDUCATION MAJOR		
EDFN 2003	Foundations of Education	3
EDFN 2053	Child and Adolescent Development	3
EDFN 4083 ^o	Teaching Exceptional Learners	3
EDFN 4123 ^o	Learning Theories & Assessment Practices	3
EDFN 4402 ^{oo}	Student Teaching Seminar	2
EDFN 4405 ^{oo}	Student Teaching I	5
EDFN 4415 ^{oo}	Student Teaching II	5
SCED 3043	Secondary Methods & Classroom Management	3
SCED 4523	Practicum in Education Grades 7-12	3
Arkansas English as a Second Language (K-12) Endorsement (Optional)		
EDFN 2043	Teaching Students from Multilingual and Diverse Backgrounds	3
EDFN 3043	Second Language Acquisition	3
EDFN 3053	Methods of Teaching English as a Second Language	3
EDFN 4043	Second Language Assessment	3
Total		30-42

^o Requires admission to the Teacher Education Program and Praxis II Test(s).

^{oo} Requires Praxis II: Principles of Learning and Teaching for graduation and licensure.

MINOR: The minor requirement is waived.	-
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ELECTIVES: Choose courses to total 120 hours, including 39 Jr/Sr-level hours.	0
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CREDIT HOUR SUMMARY	
CORE	39
PHYSICS/MATHEMATICS MAJOR	55
SECONDARY EDUCATION MAJOR	30-42
Total	124-136