

**OUACHITA BAPTIST UNIVERSITY**

**Degree: B.A.**

**Major: Mathematics (Teaching Emphasis)**

**2016-17**

<b>COMMON CORE</b>		<b>Credit Hours</b>
All students take the following courses.		
CORE 1002	OBU Connections <sup>1</sup>	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 <sup>1</sup> (Satisfied by 1 <sup>st</sup> major)	0
CORE 3023	Scientific Connections <sup>2</sup>	3
<sup>1</sup> Prerequisite: Completion of the Analytic & Quantitative Reasoning Requirement. <sup>2</sup> Prerequisite: CORE 2334 Scientific Inquiry		
<b>FLEXIBLE CORE</b>		
Choose as indicated from each of the seven categories.		
<b>Analytic &amp; Quantitative Reasoning</b> (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.		
<b>Applied Skills</b> (One course)		3
COMM 1003	Fundamentals of Public Speaking	
FINN 2003	Personal Finance	
<b>Artistic Engagement</b> (One course <sup>**</sup> )		3
FINA 3113	Fine Arts: Art	
FINA 3123	Fine Arts: Music	
FINA 3133	Fine Arts: Theatre	
<sup>**</sup> May be satisfied by participation in the European Study Program.		
<b>Civic Engagement in America</b> (One course)		3
PSCI 2013	American National Government	
HIST 2003	United States History to 1877	
HIST 2013	United States History Since 1877	
<b>Intercultural Appreciation and Communication</b> <sup>†</sup> (Two courses)		6
CHIN, FREN, GERM, GREK, HEBR, LATN, JAPN, SPAN	Two semesters of credit in the same foreign language. May also be satisfied by approved language-intensive study-abroad experience.	
<b>Physical Well-being</b> (One course)		3
KIN 1002	Concepts of Wellness	
KIN 2073	Health and Safety	
LST 2013	Outdoor Leisure Pursuits	
<b>EXPERIENTIAL CORE</b>		
CHAP 1000	Chapel (7 credits required)	0
FINA 4011	Arts Engagement Series	1
<b>Total</b>		<b>42</b>

<sup>†</sup> For more detail, refer to the School of Interdisciplinary Studies section of the catalog.

<b>GENERAL GRADUATION REQUIREMENTS</b>	
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.	

<b>MAJOR**</b>		<b>Credit Hours</b>
MATH 1073	Discrete Mathematics I	3
MATH 2014	Calculus I	4
MATH 2024	Calculus II	4
MATH 2343	Fundamentals of Mathematical Proof	3
MATH 3003	Foundations of Geometry	3
MATH 3034	Calculus III	4
MATH 3053	Abstract Algebra I	3
MATH 3063	Probability & Statistics	3
MATH 3083	History of Mathematics	3
MATH 3093	Linear Algebra	3
MATH 4013	Methods in Secondary Mathematics	3
MATH 4883	Mathematics for Secondary Teachers	3
<b>Total</b>		<b>39</b>

<sup>\*\*</sup> Additional math courses may be needed to meet prerequisites for Calculus. These would increase total hours.

<b>ADDITIONAL AREA REQUIREMENTS</b>		
CSCI 1044	Programming I	4
CHEM 1004 <i>or</i> PHYS 205 4	General Chemistry I <i>or</i> University Physics I	4
<b>Total</b>		<b>8</b>

<b>SECONDARY EDUCATION MAJOR</b>		<b>Credit Hours</b>
<b>Professional Education Requirements (28 hours)</b>		
EDFN 1002	Introduction to Education	2
EDFN 2003	Foundations of Education	3
EDFN 2012	Instructional Technology	2
EDFN 2033	Professional Writing in Education (Satisfied by first major)	0
EDFN 2053	Child and Adolescent Development	3
EDFN 4083 <sup>°</sup>	Teaching Exceptional Learners	3
EDFN 4123 <sup>°</sup>	Learning Theories & Assessment Practices	3
EDFN 4402 <sup>°°</sup>	Student Teaching Seminar	2
EDFN 4405 <sup>°°</sup>	Student Teaching I	5
EDFN 4415 <sup>°°</sup>	Student Teaching II	5
<b>Teaching Field Requirements (6 hours)</b>		
SCED 3043 <sup>°</sup>	Secondary Methods & Classroom Mgmt.	3
SCED 4523 <sup>°</sup>	Practicum in Education Grades 7-12	3
<b>Total</b>		<b>34</b>

<sup>°</sup> Requires admission to the Teacher Education Program and Praxis II Test(s).

<sup>°°</sup> Requires Praxis II: Principles of Learning and Teaching for graduation and licensure.

<b>MINOR:</b> Minimum 18 hours	
<b>ELECTIVES:</b> Choose courses to total 120 hours, including 39 Jr/Sr-level hours.	

<b>CREDIT HOUR SUMMARY</b>	
<b>CORE</b>	<b>42</b>
<b>MAJOR</b>	<b>39</b>
<b>ADDITIONAL AREA REQUIREMENTS</b>	<b>8</b>
<b>2<sup>nd</sup> MAJOR (Secondary Education)</b>	<b>34</b>
<b>Total</b>	<b>123</b>