

**OUACHITA BAPTIST UNIVERSITY**

Degree: B.S.

Major: Applied Mathematics

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>	4
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 (Satisfied by major)</b>		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 (One course)</b>		3
COMM 1003	Fundamentals of Public Speaking	
FINN 2003	Personal Finance	
<b>Artistic Engagement (One course**)</b>		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.		
<b>Civic Engagement in America (One course)</b>		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<sup>†</sup> (Two courses)</b>		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 (One course)</b>		2-3
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>45-46</b>

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

<b>MAJOR</b>		<b>Credit Hours</b>
MATH 2014	Calculus I	4
MATH 2024	Calculus II	4
MATH 2343	Fundamentals of Mathematical Proof	3
MATH 3034	Calculus III	4
MATH 3093	Linear Algebra	3
MATH 3043	Differential Equations <i>or</i>	
MATH 3063	Probability and Statistics	3
Choose one of the following:		
MATH 3003	Foundations of Geometry	
MATH 3053	Abstract Algebra I	
MATH 4023	Introduction to Real Analysis	3
MATH 4463	Mathematical Scholarship	3
MATH 3	MATH elective	3
MATH ¾ 3	Jr./sr.-level MATH elective	3
<b>Total</b>		<b>33</b>

<b>ADDITIONAL AREA REQUIREMENTS</b>		
CSCI 1044	Programming I	4
<b>Total</b>		<b>4</b>

**2<sup>nd</sup> Major:** Minimum 24 hours. (See specific requirements.) **24+**

**ELECTIVES:** Choose courses to total 120 hours, including 39 Jr/Sr-level hours. **13-14**

<b>CREDIT HOUR SUMMARY</b>		
<b>CORE</b>	<b>45-46</b>	
<b>MAJOR</b>	<b>33</b>	
<b>ADDITIONAL AREA REQUIREMENTS</b>	<b>4</b>	
<b>2<sup>nd</sup> Major (minimum)</b>	<b>24</b>	
<b>ELECTIVES</b>	<b>13-14</b>	
<b>Total</b>		<b>120</b>

<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.	