

**OUACHITA BAPTIST UNIVERSITY**

**Degree: B.A.**

**Major: Chemistry (Teaching Emphasis & 7-12 Licensure)**

**2015-16**

<b>COMMON CORE</b>		<b>Credit Hours</b>
All students take the following courses.		
CORE 1002	OBU Connections <sup>†</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 (Satisfied by 1 <sup>st</sup> major)	0
CORE 3023	Scientific Connections (Satisfied by 1 <sup>st</sup> major)	0
<b>FLEXIBLE CORE</b>		
Choose as indicated from each of the seven categories.		
<b>Analytic &amp; Quantitative Reasoning</b> (One course*) (Satisfied by additional area requirements)		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**)		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</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 <sup>†</sup> )	0
FINA 4011	Arts Engagement Series	1
<b>TOTAL</b>		<b>39</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
2.7 minimum GPA (overall, OBU, and major)
At least 24 hours with grades of C or higher in the major
Jr./Sr. Hours: At least 39 total, including 12 in the major.
At least 60 hours taken at OBU, including 30 of last 36 hours.

<b>CRITERIA FOR ADMISSION AND RETENTION TO TEACHER ED</b>
Maintain a minimum 2.700 cumulative GPA in all work
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) <u>or</u> minimum state scores on the Praxis Core Tests for Math, Reading, and Writing.
Satisfactory evaluation by academic advisor and two other faculty members

<b>MAJOR</b>		<b>Credit Hours</b>
CHEM 1004	General Chemistry I	4
CHEM 1014	General Chemistry II	4
CHEM 2004	Quantitative Analysis	4
CHEM 3004	Organic Chemistry I	4
CHEM 3104	Organic Chemistry II	4
CHEM 3053	Physical Chemistry I	3
CHEM 3272	Experimental Techniques	2
CHEM 4023	Biochemistry	3
CHEM 4511*	Directed Chemistry Research	1
CHEM 4621	Senior Capstone Experience	1
* Research (4511) is waived upon completion of lab-based Senior Thesis for those participating in the Honors Program.		
<b>TOTAL</b>		<b>30</b>

<b>ADDITIONAL AREA REQUIREMENTS</b>		<b>Credit Hours</b>
BIOL 1014	General Biology (Zoology)	4
BIOL 1024	General Biology (Botany)	4
PHYS 2024 & 2034	College Physics I & II <u>or</u>	8
PHYS 2054 & 2064	University Physics I & II	
NSCI 2003	Earth Science	3
NSCI 3013	Methods in NSCI for MSED/SSED	3
NSCI 3961	Laboratory Practicum	1
MATH 2014	Calculus I	4
MATH 3202	Advanced Chemical Calculations (Recommended)	0-2
<b>TOTAL</b>		<b>27-29</b>

<b>SECONDARY EDUCATION MAJOR</b>		<b>Credit Hours</b>
<b>Professional Education Requirements (31 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, <u>or</u> equivalent	3
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>37</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>CREDIT HOUR SUMMARY</b>	
<b>CORE</b>	<b>39</b>
<b>MAJOR: Chemistry (Teaching Emphasis)</b>	<b>30</b>
<b>ADDITIONAL AREA REQUIREMENTS</b>	<b>27-29</b>
<b>2<sup>nd</sup> MAJOR: Secondary Education</b>	<b>37</b>
<b>TOTAL</b>	<b>133-135</b>