

# Ouachita Baptist University

Degree: BA

Major: CHEMISTRY

Year: 2017-2018

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 <sup>1</sup> (Satisfied in Major)	0
CORE 3023	Scientific Connections <sup>2</sup> (Satisfied in Major)	0
<sup>1</sup> Prerequisite: Completion of the Analytic & Reasoning Requirement.		
<sup>2</sup> Prerequisite: CORE 2334 Scientific Inquiry		
FLEXIBLE CORE		
Choose as indicated from each of the seven categories		
<b>Analytic and Quantitative Reasoning</b> (Satisfied in Additional Area Requirements)		0
<b>MATH 1003</b>	<b>College Algebra*</b>	
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 1003	Personal Finance	
<b>Artistic Engagement (one course**)</b>		3
FINA 3113	Fine Art: Art	
FINA 3123	Fine Art: Music	
FINA 3133	Fine Art: Theatre	
**Upon approval by the Dean of Interdisciplinary Studies, participation in the European Study Program earns 3 hours of generic Fine Arts credit.		
<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 (two courses)</b>		6
May also be satisfied by approved language-intensive study-Abroad experience in a non-English speaking country.		
CHIN, FREN, GERM, GREK, HEBR, LATN, JAPN, SPAN	Two semesters of credit in the same foreign language	
<b>Physical Well-being (one course)</b>		2-3
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
<b>TOTAL Credit Hours for CORE Curriculum</b>		<b>38-39</b>

MAJOR		Credit Hours
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 3063	Physical Chemistry II (one course)	2-3
CHEM 3142	Instrumental Analysis	
CHEM 4023	Biochemistry	
CHEM 4033	Advanced Inorganic Chemistry	
CHEM 4043 *	Biochemistry II	3
CHEM 4511**	Directed Chemistry Research	1
CHEM 4621	Senior Capstone Experience	1
* Elective		
** Research (4511) is waived upon completion of lab-based Senior Thesis for those participating in the Honors Program.		
<b>TOTAL Credit Hours for Major</b>		<b>29-33</b>
ADDITIONAL AREA REQUIREMENTS		
PHYS 2024 & 2034 <i>OR</i> PHYS 2054 & 2064	College Physics I & II <i>OR</i> University Physics I & II	8
MATH 2014	Calculus I	4
MATH 3202	Advanced Chemical Calculations (Highly Recommended)	0-2
ENGL 3013	Technical & Professional Writing	3
Total Credit Hours for Add'l Area Req's		<b>15-17</b>
<b>MINOR:</b> Minimum of 18 hours. More than 18 hours reduces elective hours.		<b>18+</b>
<b>ELECTIVES:</b> Choose elective courses to total at least 120 hours.		<b>16-20</b>

CREDIT HOUR SUMMARY	
<b>CORE</b>	<b>38-39</b>
<b>MAJOR</b>	<b>29-33</b>
<b>ADDITIONAL AREA REQUIREMENTS</b>	<b>14-16</b>
<b>MINOR (minimum)</b>	<b>18</b>
<b>ELECTIVES</b>	<b>14-21</b>
<b>TOTAL</b>	<b>120</b>
GENERAL GRADUATION REQUIREMENTS	
Chapel Credits = 7 or 1 per semester for transfer students	
GPA (overall, OBU, major, and minor) = 2.0	
At least 24 hours with grades of C or higher in the major	
Junior-Senior Hours: At least 39 total, including at least 12 in the major and at least 6 in the minor	
Residency: 60 resident hours are required; 30 of last 36 hours must be taken at OBU	