

OUACHITA BAPTIST UNIVERSITY

Degree: B.S.

Major: Chemistry

2019 – 2020

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 2233	World Literature	3
CORE 2243	History of World Societies	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 (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)		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
Total		38-39

[†] 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.	

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 I	2
CHEM 4511 [°]	Directed Chemistry Research	1
[°] Research (4511) is waived upon completion of lab-based Senior Thesis for those participating in the Honors Program.		
Choose one of the following:		
CHEM 3063	Physical Chemistry II	2-3
CHEM 3142	Instrumental Analysis	
CHEM 4023	Biochemistry	
CHEM 4033	Advanced Inorganic Chemistry	
CHEM 4621	Senior Capstone Experience	1
Total		29-30

ADDITIONAL AREA REQUIREMENTS		
PHYS 2024 & 2034	College Physics I & II <i>or</i>	8
PHYS 2054 & 2064	University Physics I & II	
MATH 2014	Calculus I	4
MATH 3202	Advanced Chemical Calculations (Highly Recommended)	0-2
ENGL 3013	Technical and Professional Writing	3
Total		15-17

MINOR: Minimum 18 hours. Must be completed in Computer Science, Mathematics, Physics, or Biology	18+
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ELECTIVES: Choose courses to total 120 hours, including 39 Jr./Sr-level hours.	16-18
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CREDIT HOUR SUMMARY	
CORE	38-39
MAJOR	29-30
ADDITIONAL AREA REQUIREMENTS	15-17
MINOR (minimum)	18
ELECTIVES	16-20
Total	120