

OUACHITA BAPTIST UNIVERSITY

Degree: B.S.

Major: Professional Chemistry

2021 – 2022

| 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 (One course*) (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 3063 | Physical Chemistry II | 3 |
| CHEM 3142 | Instrumental Analysis | 2 |
| CHEM 3272 | Experimental Techniques I | 2 |
| CHEM 4023 | Biochemistry I | 3 |
| CHEM 4033 | Advanced Inorganic Chemistry | 3 |
| CHEM 4272 | Experimental Techniques II | 2 |
| CHEM 4511* | Directed Chemistry Research | 1 |
| *Waived upon completion of lab-based Senior Thesis for those participating in the Honors Program. | | |
| CHEM 4621 | Senior Capstone Experience | 1 |
| Total | | 40 |

| 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 | 2 |
| ENGL 3013 | Technical and Professional Writing | 3 |
| Total | | 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. | 6-7 |
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| CREDIT HOUR SUMMARY | |
|-------------------------------------|--------------|
| CORE | 38-39 |
| MAJOR | 40 |
| ADDITIONAL AREA REQUIREMENTS | 17 |
| MINOR (minimum) | 18 |
| ELECTIVES | 6-7 |
| Total | 120 |