

**OUACHITA BAPTIST UNIVERSITY**

**Degree: B.A.**

**Major: Chemistry**

**2019 - 2020**

| <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 2233  | World Literature  | 3                   |
| CORE 2243  | History of World Societies  | 3                   |
| CORE 2334  | Scientific Inquiry <sup>1</sup> (Satisfied by major)  | 0                   |
| CORE 3023  | Scientific Connections <sup>2</sup> (Satisfied by major)  | 0                   |
| <sup>1</sup> Prerequisite: Completion of the Analytic & Quantitative Reasoning Requirement.<br><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</b> (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, 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. |                     |
| <b>Physical Well-being</b> (One course)  |   | 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>38-39</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            |  |
| 2.000 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.       |  |

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

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

|                                |           |
|--------------------------------|-----------|
| <b>MINOR:</b> Minimum 18 hours | <b>18</b> |
|--------------------------------|-----------|

|  |              |
|--|--------------|
| <b>ELECTIVES:</b> Choose courses to total 120 hours, including 39 Jr/Sr-level hours. | <b>16-20</b> |
|--|--------------|

| <b>CREDIT HOUR SUMMARY</b>          |              |
|-------------------------------------|--------------|
| <b>CORE</b>                         | <b>38-39</b> |
| <b>MAJOR</b>                        | <b>29-30</b> |
| <b>ADDITIONAL AREA REQUIREMENTS</b> | <b>15-17</b> |
| <b>MINOR</b> (minimum)              | <b>18</b>    |
| <b>ELECTIVES</b>                    | <b>16-20</b> |
| <b>Total</b>                        | <b>120</b>   |