

OUACHITA BAPTIST UNIVERSITY

Degree: B.A.

Major: Chemistry (Teaching Emphasis) and 7-12 Licensure

2020 – 2021

| 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*) | | 0 |
| MATH 1003 | College Algebra (Satisfied by Additional Area Requirements) | |
| 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) | | 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 | | 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. | |

| CRITERIA FOR ADMISSION & RETENTION TO TEACHER EDUCATION | |
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| 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) or minimum state scores on the Praxis Core Tests for Math, Reading, and Writing. | |
| Satisfactory evaluation by academic advisor and two other faculty members | |

| 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 in Chemistry I | 2 |
| CHEM 4023 | Biochemistry I | 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. | | |
| Total | | 30 |

| ADDITIONAL AREA REQUIREMENTS | | |
|-------------------------------------|----------------------------------------------|--------------|
| BIOL 1014 | General Biology I | 4 |
| BIOL 1024 | General Biology II | 4 |
| PHYS 2024, 2034 or | College Physics I & II or | |
| PHYS 2054, 2064 | University Physics I & II | 8 |
| NSCI 2003 | Earth Science | 3 |
| NSCI 3013 | Methods in NSCI for MSSED/SSSED | 3 |
| NSCI 3961 | Laboratory Practicum | 1 |
| MATH 2014 | Calculus I | 4 |
| MATH 3202 | Advanced Chemical Calculations (Recommended) | 0-2 |
| Total | | 27-29 |

| SECONDARY EDUCATION MAJOR AND 7-12 LICENSURE | | |
|----------------------------------------------------------------------------|-------------------------------------------------------------|----------------|
| Professional Education Requirements (31 hours) | | |
| EDFN 1002 | Introduction to Education | 2 |
| EDFN 2003 | Foundations of Education | 3 |
| EDFN 2012 | Instructional Technology | 2 |
| EDFN 2053 | Child and Adolescent Development | 3 |
| EDFN 3083 ^o | Teaching Exceptional Learners | 3 |
| EDFN 4123 ^o | Learning Theories & Assessment Practices | 3 |
| EDFN 4403 ^{oo} | Student Teaching Seminar | 3 |
| EDFN 4406 ^{oo} | Student Teaching I | 6 |
| EDFN 4416 ^{oo} | Student Teaching II | 6 |
| Teaching Field Requirements (6 hours) | | |
| SCED 3043 | Secondary Methods and Classroom Mgmt. | 3 |
| SCED 4523 ^o | Practicum in Education Grades 7-12 | 3 |
| Subject Area Requirements | | |
| CORE 2053 | Composition II | 3 |
| Arkansas English as a Second Language (K-12) Endorsement (Optional) | | |
| EDFN 2043 | Teaching Students from Multilingual and Diverse Backgrounds | 3 |
| EDFN 3043 | Second Language Acquisition | 3 |
| EDFN 3053 | Methods of Teaching English as a Second Language | 3 |
| EDFN 4043 | Second Language Assessment | 3 |
| Total | | 40 – 52 |

^o Requires admission to the Teacher Education Program and Praxis II Test(s).

^{oo} Requires Praxis II: Principles of Learning and Teaching for graduation and licensure.

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| MINOR: The minor requirement is waived. | - |
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| CREDIT HOUR SUMMARY | |
|-------------------------------------|----------------|
| CORE | 39 |
| MAJOR | 30 |
| ADDITIONAL AREA REQUIREMENTS | 27-29 |
| SECONDARY EDUCATION MAJOR | 40-52 |
| Total | 136-150 |