

OUACHITA BAPTIST UNIVERSITY

Degree: B.A.

Major: Physics/Mathematics (Teaching Emphasis)

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 | |
| 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) | | 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 |
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| 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 AND RETENTION TO TEACHER ED |
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| Maintain a minimum 2.700 cumulative GPA in all areas |
| 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) <i>or</i> 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 |
|---|--|---------------------|
| PHYS 2054, PHYS 2064 <i>or</i> PHYS 2024, PHYS 2034 | University Physics I, University Physics II <i>or</i> College Physics I College Physics II | 8 |
| PHYS 3004 | Introduction to Modern Physics | 4 |
| PHYS 4023 | Thermodynamics | 3 |
| Nine additional PHYS hours, with at least 6 at Jr/Sr level. | | 9 |
| MATH 2014 | Calculus I | 4 |
| MATH 2024 | Calculus II | 4 |
| MATH 3003 | Foundations of Geometry | 3 |
| MATH 3034 | Calculus III | 4 |
| MATH 3063 | Probability and Statistics | 3 |
| MATH 4013 | Methods in Secondary Mathematics | 3 |
| MATH 4883 | Mathematics for Secondary Teachers | 3 |
| CSCI 1044 | Programming I | 4 |
| Total | | 52 |

| SECONDARY EDUCATION MAJOR AND 7-12 LICENSURE | | |
|--|---|--------------|
| EDFN 2003 | Foundations of Education | 3 |
| EDFN 2053 | Child and Adolescent Development | 3 |
| EDFN 3083 [◊] | Teaching Exceptional Learners | 3 |
| EDFN 4123 [◊] | Learning Theories & Assessment Practices | 3 |
| EDFN 4403 ^{◊◊} | Student Teaching Seminar | 3 |
| EDFN 4406 ^{◊◊} | Student Teaching I | 6 |
| EDFN 4416 ^{◊◊} | Student Teaching II | 6 |
| SCED 3043 | Secondary Methods & Classroom Management | 3 |
| SCED 4523 | Practicum in Education Grades 7-12 | 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 | | 33-45 |

[◊] Requires admission to the Teacher Education Program and Praxis II Test(s).

^{◊◊} 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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| ELECTIVES: Choose courses to total 120 hours, including 39 Jr/Sr-level hours. | 0 |
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| CREDIT HOUR SUMMARY | |
|------------------------------------|----------------|
| CORE | 39 |
| PHYSICS / MATHEMATICS MAJOR | 52 |
| SECONDARY EDUCATION MAJOR | 33-45 |
| Total | 124-136 |