

OUACHITA BAPTIST UNIVERSITY

Degree: B.S.

Major: Biomedical Sciences, Physics Option

2018 – 19

| 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 2213 | Western Civilization in Global Context | 3* |
| CORE 2233 | World Literature | 3 |
| CORE 2334 | Scientific Inquiry (Satisfied by major) | 0 |
| CORE 3023 | Scientific Connections (Satisfied by major) | 0 |
| * Students are expected to transfer in six hours of credit that will count toward the Common or Flexible Core requirements. CORE 1043 and 2213 are recommended. | | |
| FLEXIBLE CORE | | |
| Choose as indicated from each of the seven categories. | | |
| Analytic & Quantitative Reasoning (One course*) (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. | | |
| Applied Skills | | 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 (6 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 |
|-------------------------------|---|---------------------|
| BIOM 1242 | Freshman Research Experience | 2 |
| BIOL 2014 | Human Anatomy & Physiology I | 4 |
| BIOL 2024 | Human Anatomy & Physiology II | 4 |
| BIOL 3683 | Bioinformatics | 3 |
| BIOM 3681 | Biomedical Science Seminar (taken twice for credit) | 2 |
| BIOL 4054 | Genetics (Prerequisite: MATH 2014 or 2063) | 4 |
| BIOL 3014 <i>or</i> BIOL 4064 | Microbiology <i>or</i> Cell and Molecular Biology | 4 |
| Choose one of the following: | | |
| BIOL 3064 | Neuroscience | 3 - 4 |
| BIOL 4013 | Histology and Microtechniques | |
| BIOL 4243 | Infectious Disease (Prerequisite: BIOL 3014) | |
| Field Course | Field Course | |
| BIOM 4563 <i>or</i> BIOM 4643 | Medicinal Chemistry <i>or</i> Medical Physics | 3 |
| BIOL 4341 | Laboratory Peer Instructor | 1 |
| BIOL 4002 | Research Capstone | 2 |
| Total | | 32-33 |

| MINOR: PHYSICS | | |
|---|--|-----------|
| PHYS 2024, 2034 <i>or</i> PHYS 2054, 2064 | College Physics I & II <i>or</i> University Physics I & II | 8 |
| PHYS 3004 | Introduction to Modern Physics | 4 |
| PHYS ____ | Physics elective | 1-4 |
| PHYS ____ | Physics elective | 1-4 |
| Total | | 18 |

| ADDITIONAL AREA REQUIREMENTS | | |
|-------------------------------------|--|-----------|
| ENGL 3013 | Technical & Professional Writing | 3 |
| CHEM 1004 | General Chemistry I | 4 |
| CHEM 1014 | General Chemistry II | 4 |
| MATH 2014 <i>or</i> MATH 2063 | Calculus I <i>or</i> Elementary Statistics | 4 |
| NSCI 2001 | Health Professions Seminar | 1 |
| NSCI 4002 | Medical Terminology | 2 |
| PSYC 1013 <i>or</i> SOCI 1003 | General Psychology <i>or</i> Introduction to Sociology | 3 |
| Choose one of the following: | | |
| PSYC 3013 | Social Psychology | 3 |
| PSYC 3093 | Abnormal Psychology | |
| SOCI 4073 | Medical Sociology | |
| SERV 2000 | TranServe (two semesters required) | 0 |
| Total | | 24 |

| ELECTIVES: Choose courses to total 120 hours, including 39 Jr/Sr-level hours. | 6-8 |
|--|------------|
|--|------------|

| ADDITIONAL EXPERIENCES (Not Coursework) | |
|--|--|
| Biomedical Sciences Boot Camp | |
| Study Abroad Experience (Taking courses at an international university is strongly suggested.) | |
| 120 hours of clinical shadowing | |
| One on-campus and one off-campus research presentation | |
| Apply for at least two off-campus research positions | |

| CREDIT HOUR SUMMARY | |
|-------------------------------------|----------------|
| CORE | 38-39 |
| MAJOR | 32-33 |
| MINOR | 18 |
| ADDITIONAL AREA REQUIREMENTS | 24 |
| ELECTIVES | 6-8 |
| Total | 120-122 |