Degree: B.S.
Major: Biomedical Sciences, Chemistry Option
2023-2024

| COMMON CORE (20 hours) <br> All students take the following courses. | Credit <br> Hours |
| :--- | ---: | ---: |
| Note: Students are expected to transfer in six hours of credit that will count toward the |  |
| Common or Flexible Core requirements. CORE 1043 and 2243 are recommended. |  |

$\dagger$ 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

## CRITERIA FOR ADMISSION TO BIOMEDICAL SCHOLARS PROGRAM

Students beginning their first semester at Ouachita:

- ACT score of at least 30 or equivalent SAT score
- At least 6 hours of incoming college credit
- Completion of a student application.

Students beginning their third semester at Ouachita:

- Minimum 3.5 GPA in BIOL 1014 \& 1024
- Minimum 3.5 GPA in CHEM 1004 \& 1014
- Minimum 3.6 overall GPA
- Satisfactory completion of BIOL 1201 and one Honors CORE course
- Completion of a student application.

Refer to the Biomedical Sciences section of the catalog for policies involving substitutions for AP credit and requirements for transfer students.

## CRITERIA FOR RETENTION IN BIOMEDICAL SCHOLARS PROGRAM

Maintain a minimum 3.6 overall GPA
Progress toward completion of the Honors Program.
Failure to satisfy the retention requirements will result in a one-semester probation period, followed by a default to a four-year Biology degree. Refer to the Biomedical Sciences section of the catalog for more details.

| MAJOR |  | Credit Hours |
| :---: | :---: | :---: |
| BIOM 1242 F <br> BIOL 1014,1201 G | Freshman Research Experience or General Biology I \& Freshman Research Experience | 2-5 |
| BIOL 2014 Hu | Human Anatomy \& Physiology I | 4 |
| BIOL 2024 Hu | Human Anatomy \& Physiology II | 4 |
| BIOL 3683 Bi | Bioinformatics | 3 |
| BIOL 4002 R | Research Capstone | 2 |
| BIOL 4054 G | Genetics (Prerequisite: MATH 2014 or 2063) | 4 |
| $\begin{array}{ll} \hline \text { BIOL } 3014 & \text { M } \\ \text { BIOL } 4064 & \text { C } \\ \hline \end{array}$ | Microbiology or Cell and Molecular Biology | 4 |
| BIOL 3063 N <br> BIOL 4013 $H$ | Neuroscience or | 3 |
| BIOM 4601 Bi | Biomedical Sciences Experiences | 1 |
| TOTAL |  | 27-30 |
| MINOR: CHEMISTRY |  |  |
| CHEM 1004 \& 1014 | 14 General Chemistry I \& II | 8 |
| CHEM 3004 \& 3104 | 04 Organic Chemistry I \& II | 8 |
| CHEM | Chemistry Elective(s) | 2-4 |
| TOTAL |  | 18-20 |
| ADDITIONAL AREA REQUIREMENTS |  |  |
| $\begin{aligned} & \hline \text { CORE } 2053 \\ & \text { ENGL } 3013 \\ & \hline \end{aligned}$ | Composition II Technical \& Professional Writing | 3 |
| Choose one of the following: |  |  |
| COMM 3033 <br> COMM/MSSN 4313 MGMT 3043 | Interpersonal Communication <br> 13 Intercultural Communication Organization Behavior and Management | 3 |
| FINN 2003 | Personal Finance | 3 |
| $\begin{aligned} & \hline \text { MATH } 2014 \\ & \text { MATH } 2063 \end{aligned}$ | Calculus I or Elementary Statistics | 3-4 |
| NSCI 2001 | Health Professions Seminar | 1 |
| NSCl 4002 | Medical Terminology | 2 |
| PHYS 2024, 2034 PHYS 2054, 2064 | $34 \begin{aligned} & \text { College Physics I \& II or } \\ & \\ & \text { University Physics I \& II }\end{aligned}$ | 8 |
| $\begin{aligned} & \hline \text { PSYC } 1013 \\ & \text { SOCI } 1003 \\ & \hline \end{aligned}$ | General Psychology or Introduction to Sociology | 3 |
| Choose one of the following: |  |  |
| PSYC 3013 | Social Psychology |  |
| PSYC 3093 | Abnormal Psychology | 3 |
| SOCI 4073 | Medical Sociology |  |
| PHIL 1023 | Logic | 3 |
| Choose one of the following: |  |  |
| MSSN 3403 | World Religions | 3 |
| PHIL 3163 | Death and Dying | 3 |
| PHIL 4013 | Christian Ethics |  |
| SERV 2000 | TranServe (three semesters required) | 0 |
| Carl Goodson Ho | Honors Program (Required) |  |
| Take three honorscourse for honors | rs-designated CORE classes (or contracted rs credit) (Hours counted in Core summary) | 0 |
| HNRS 3__1 | Honors Seminar (taken twice) | 2 |
| HNRS 3001 | Honors Directed Studies | 1 |
| HNRS 498 | Honors Thesis | 4 |
| TOTAL |  | 42-43 |
| ELECTIVES: Choo Jr/Sr-level hours. | hoose courses to total 120 hours, including 39 | - |
| ADDITIONAL EXPERIENCES (Not Coursework) |  |  |
| Study Abroad Experience (Taking courses at an international university is strongly suggested.) |  |  |
| 50 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 |  | 35-36 |
| MAJOR |  | 27-30 |
| MINOR |  | 18-20 |
| ADDITIONAL AREA REQUIREMENTS |  | 42-43 |
| ELECTIVES |  | - |
| TOTAL |  | 122-129 |

