

Chemistry

Bachelor of Science

DEGREE PLAN

Common Core for Science 42-44 Hours

CORNERSTONE 1

| | | |
|-----------|------------------------|---|
| GNSC 1201 | Cornerstone of Science | 1 |
|-----------|------------------------|---|

BIBLICAL LITERACY — SELECT TWO COURSES 6

| | | |
|----------|--------------------------------------|---|
| REL 1013 | Old Testament History and Literature | 3 |
| REL 1023 | New Testament History and Literature | 3 |
| REL 3073 | Biblical Ethics | 3 |

WRITING AND LITERATURE 6

| | | |
|-----------|---|---|
| ENGL 1153 | English Composition: Exposition and Argument | 3 |
| ENGL 1163 | English: Composition and Classical Literature | 3 |

SCIENTIFIC LITERACY — SELECT ONE OPTION 5-7

| | | |
|---------------|------------------------------|---|
| CHEM 1054 | Introduction to Chemistry I | 4 |
| and CHEM 1063 | Introduction to Chemistry II | 3 |
| CHEM 1105 | General Chemistry I | 5 |

WELLNESS AND LIFELONG FITNESS 2

| | | |
|-----------|--|---|
| PHED | Activity Course | 1 |
| PHED 1001 | The Wellness Lifestyle (Concepts in Fitness) | 1 |

HISTORY AND LITERATURE — SELECT TWO PAIR 12

| | | |
|---------------|-----------------------------------|---|
| ENGL 2013 | European Civilization: Literature | 3 |
| and HIST 2013 | European Civilization: History | 3 |
| ENGL 2023 | Modern West: Literature | 3 |
| and HIST 2023 | Modern West: History | 3 |
| ENGL 2033 | World Civilizations: Literature | 3 |
| and HIST 2033 | World Civilizations: History | 3 |

FINE ARTS — SELECT ONE COURSE 3

| | | |
|-----------|--------------------------|---|
| FNAR 2063 | Arts and Western Culture | 3 |
| FNAR 2163 | Arts and Ideas | 3 |

MODERN FOREIGN LANGUAGES & MULTICULTURAL EXPERIENCE † 6

| | | |
|---|--------------------------------|---|
| — | Modern Foreign Language Course | 3 |
| — | Modern Foreign Language Course | 3 |

CAPSTONE 1

| | | |
|-----------|------------------|---|
| GNSC 4951 | Science Capstone | 1 |
|-----------|------------------|---|

Flex Core 13-14 Hours

| | | |
|-----------|----------------------------------|---|
| CHEM 1115 | General Chemistry II | 5 |
| MATH 2013 | Analytic Geometry and Calculus I | 3 |

SELECT TWO COURSES*

| | | |
|-----------|--------------------------------------|---|
| COMS 1092 | Introduction to Speech Communication | 2 |
| ECON 1203 | Introduction to Economics | 3 |
| PHIL 1043 | Introduction to Philosophy | 3 |
| POLI 1223 | American National Government | 3 |
| PSYC 1223 | General Psychology | 3 |
| SOCI 1223 | Introduction to Sociology | 3 |

Chemistry 49-52 Hours

AREA OF SPECIALIZATION‡ 49-52

| | | |
|-----------|---|---|
| CHEM 2202 | Instrumental Analysis | 2 |
| CHEM 3034 | Analytical Chemistry | 4 |
| CHEM 3054 | Biochemistry | 4 |
| CHEM 3104 | Organic Chemistry I | 4 |
| CHEM 3114 | Organic Chemistry II | 4 |
| CHEM 3703 | Applied Mathematics in Advanced Chemistry (PHYS 3703) | 3 |
| CHEM 4114 | Physical Chemistry/Chemical Physics I (PHYS 4114) | 4 |
| CHEM 4124 | Physical Chemistry/Chemical Physics II (PHYS 4124) | 4 |
| CHEM 4504 | Inorganic Chemistry | 4 |
| GNSC 1001 | Computing for Science I | 1 |
| GNSC 3301 | Computing for Science II | 1 |
| MATH 2023 | Analytic Geometry and Calculus II | 3 |
| PHYS 2515 | University Physics I | 5 |
| PHYS 2525 | University Physics II | 5 |

SELECT ONE COURSE

| | | |
|---|------------------------------|-----|
| CHEM 3043 | Environmental Chemistry | 3 |
| CHEM 3203 | Advanced Laboratory | 3 |
| CHEM 4329 | Advanced Topics in Chemistry | 1-4 |
| CHEM 4703 | Forensic Chemistry | 3 |
| or 3000-4000 science course with advisor approval | | 3-4 |

Electives 19-22 Hours

Total Hours

| | |
|--|------------|
| Common Core for Science | 42-44 |
| Flex Core | 13-14 |
| Chemistry | 49-52 |
| Electives | 18-24 |
| Total hours required for graduation | 128 |

* At least one of the courses in the Flex Core must be Communication or Philosophy

† All students must take two sequential courses of the same language at the appropriate level or an approved Multicultural Experience which includes Modern Foreign Language. For more information on these requirements, visit okbu.edu/catalog/foreign-language.

‡ Students majoring in Chemistry are required to take the Diagnostic Undergraduate Chemistry Knowledge exam.

No D's will be accepted in the area of concentration and the supportive courses or in courses comprising majors and minors.

Program must include at least 39 hours of courses at the 3000-4000 level.