

Bachelor of Science in Chemistry -- University of Science and Arts of Oklahoma

Interdisciplinary Studies (IDS) (44 hours)

| | | Hours | Trimester |
|----------|---|-------|-----------|
| IDS 1003 | First Year Seminar | 3 | _____ |
| IDS 1133 | The Individual in Contemporary Society | 3 | _____ |
| IDS 1113 | English Comp I: Intro to College Writing | 3 | _____ |
| IDS 1213 | English Comp II: Writing About Literature | 3 | _____ |
| IDS 1223 | Contemporary Math | 3 | _____ |

Artistic Expression -- 2 hours

| | | | |
|-------|-------|-------|-------|
| _____ | _____ | _____ | _____ |
| _____ | _____ | _____ | _____ |

Physical Expression -- 2 hours

| | | | |
|-----------|--------------------------------|---|-------|
| KINE 1011 | Concepts of Health and Fitness | 1 | _____ |
|-----------|--------------------------------|---|-------|

| | | | |
|-------|-------|-------|-------|
| _____ | _____ | _____ | _____ |
|-------|-------|-------|-------|

Chemistry Major (65 hours)

40 hours in Chemistry, 6 hours in Mathematics, 11 hours in Physics, 3 hours in Computer Science, 5 hours in Natural Science

Chemistry Required Courses -- 28 hours

| | | Hours | Trimester |
|-----------|---------------------------|-------|-----------|
| CHEM 1111 | General Chemistry I Lab | 1 | _____ |
| CHEM 1113 | General Chemistry I | 3 | _____ |
| CHEM 1121 | General Chemistry II Lab | 1 | _____ |
| CHEM 1123 | General Chemistry II | 3 | _____ |
| CHEM 3011 | Analytical Lab | 1 | _____ |
| CHEM 3013 | Analytical Chemistry | 3 | _____ |
| CHEM 3221 | Organic Chemistry I Lab | 1 | _____ |
| CHEM 3303 | Organic Chemistry I | 3 | _____ |
| CHEM 3311 | Organic Chemistry II Lab | 1 | _____ |
| CHEM 3313 | Organic Chemistry II | 3 | _____ |
| CHEM 4411 | Physical Chemistry I Lab | 1 | _____ |
| CHEM 4413 | Physical Chemistry I | 3 | _____ |
| CHEM 4421 | Physical Chemistry II Lab | 1 | _____ |
| CHEM 4433 | Physical Chemistry II | 3 | _____ |

Chemistry Elective Courses -- 12 hours

| | | | |
|-------|-------|-------|-------|
| _____ | _____ | _____ | _____ |
| _____ | _____ | _____ | _____ |
| _____ | _____ | _____ | _____ |

Physics Required Courses -- 11 - 13 hours

| | | | |
|--------------|--|---|-------|
| PHYS 1301 | General Physics I Lab | 1 | _____ |
| PHYS 2113 or | General Physics I or | 3 | _____ |
| PHYS 2214 | General Physics I with Calculus | 4 | _____ |
| PHYS 1401 | General Physics II Lab | 1 | _____ |
| PHYS 2123 or | General Physics II or | 3 | _____ |
| PHYS 2224 | General Physics II with Calculus | 4 | _____ |
| PHYS 3013 | Math & Computational Meth in Physical Sciences | 3 | _____ |

| | | Hours | Trimester |
|----------|---|-------|-----------|
| IDS 2013 | Foundations of Physical Science | 3 | _____ |
| IDS 2023 | Foundations of Life Science | 3 | _____ |
| IDS 2011 | Foundations of Science Lab | 1 | _____ |
| IDS 2133 | American Civilization I | 3 | _____ |
| IDS 2143 | American Civilization II | 3 | _____ |
| IDS 3223 | Political and Economic Systems and Theories | 3 | _____ |
| IDS 3313 | World Thought and Culture I | 3 | _____ |
| IDS 3323 | World Thought and Culture II | 3 | _____ |
| IDS 4333 | World Thought and Culture III | 3 | _____ |

Mathematics Prerequisite Courses -- 6 hours

| | | Hours | Trimester |
|-----------|-----------------|-------|-----------|
| MATH 1513 | College Algebra | 3 | _____ |
| MATH 1613 | Trigonometry | 3 | _____ |

Mathematics Required Courses -- 6 hours

| | | | |
|-----------|---------------------------------|---|-------|
| MATH 1743 | Calculus & Analytic Geometry I | 3 | _____ |
| MATH 2223 | Calculus & Analytic Geometry II | 3 | _____ |

Computer Science Required Course -- 3 hours

| | | | |
|-----------|---------------------------|---|-------|
| CSCI 1143 | Introduction to Computing | 3 | _____ |
|-----------|---------------------------|---|-------|

Natural Science Required Course -- 5 hours

| | | | |
|-----------|-------------------------------------|---|-------|
| NSCI 2102 | Scientific Writing | 2 | _____ |
| NSCI 3711 | Next Step Preparation | 1 | _____ |
| NSCI 3102 | STEM Communication through Outreach | 2 | _____ |

Elective Courses -- 7-13 hours

| | | | |
|-------|-------|-------|-------|
| _____ | _____ | _____ | _____ |
| _____ | _____ | _____ | _____ |
| _____ | _____ | _____ | _____ |
| _____ | _____ | _____ | _____ |
| _____ | _____ | _____ | _____ |
| _____ | _____ | _____ | _____ |

A minimum of 122 credit hours is required

No more than 61 hrs of junior college credit may count towards 122

A minimum of 40 hours of upper division credit is required

Degree requirements effective August 2025

