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| Major/Program | Chemistry |
| College | Science and Mathematics |
| Department | Physical Science |
| Contact | Dr. Dave Slimmer, Dean |

2022-2023

Lander University

4-Year Major Guide

| | First Semester | | | Second Semester | | | TOTALS |
|--------------------|-----------------------|---|--------------|-------------------------------|---|--------------|----------------------|
| | Course | Notes | Hours | Course | Notes | Hours | |
| First Year | CHEM 111 | | 4 | BIOL 112 | | 4 | |
| | ENGL 101 | <i>Core Academic Skills (General Education)</i> | 3 | CHEM 112 | | 4 | |
| | General Education | <i>Humanities and Fine Arts (General Education)</i> | 3 | CHEM 197 | | 1 | |
| | MATH 123 or MATH 141 | <i>Core Academic Skills (General Education)</i> | 3 | CHEM 198 | | 1 | |
| | LINK 101 | <i>(General Education)</i> | 1 | ENGL 102 | <i>Core Academic Skills (General Education)</i> | 3 | |
| | | | | MATH 211 | <i>Scientific and Mathematics (General Education)</i> | 3 | |
| | Subtotal | | | Subtotal | | | Yearly Totals |
| | | | 14 | | | 16 | 30 |
| Second Year | First Semester | | | Second Semester | | | |
| | Course | Notes | Hours | Course | Notes | Hours | |
| | CHEM 221 | | 4 | CHEM 222 | | 4 | |
| | CHEM 330 | | 5 | CHEM 199 | | 1 | |
| | General Education | <i>Behavioral and Social (General Education)</i> | 3 | CHEM 331 | | 4 | |
| | HIST 111 or POLS 101 | <i>Founding Documents (General Education)</i> | 3 | General Education | <i>Humanities and Fine Arts (General Education)</i> | 3 | |
| | Subtotal | | | Subtotal | | | Yearly Totals |
| | | | 15 | | | 15 | 30 |
| Third Year | First Semester | | | Second Semester | | | |
| | Course | Notes | Hours | Course | Notes | Hours | |
| | General Education | <i>World Cultures (General Education)</i> | 3 | CHEM 260 or above | <i>except for CHEM 381</i> | 3 | |
| | Major Elective | <i>see list below</i> | 4 | Elective | | 3 | |
| | Major Elective | <i>see list below</i> | 3 | Elective | | 3 | |
| | PHYS 201 or PHYS 211 | <i>Scientific and Mathematics (General Education)</i> | 4 | Major Elective | <i>see list below</i> | 3 | |
| | Subtotal | | | Subtotal | | | Yearly Totals |
| | | | 14 | | | 16 | 30 |
| Fourth Year | First Semester | | | Second Semester | | | |
| | Course | Notes | Hours | Course | Notes | Hours | |
| | CHEM 401 | | 4 | CHEM 402 | | 4 | |
| | CHEM 260 or above | <i>except for CHEM 381</i> | 3 | CHEM 341 | | 4 | |
| | CHEM 260 or above | <i>except for CHEM 381</i> | 3 | Elective | | 3 | |
| | Elective | | 3 | PSCI 499 | | 3 | |
| Elective | | 3 | FALS | <i>University Requirement</i> | 0 | | |
| | Subtotal | | | Subtotal | | | Yearly Totals |
| | | | 16 | | | 14 | 30 |

Total Hours Required: 120

Major Electives: Choose three of the following: ASTR 101 or higher; BIOL 111 or higher; CHEM 260 or higher; CIS 130 or higher; ES 111 or higher; GEOL 111 or higher; MATH 141 or higher; PHYS 203; PHYS 314; PSCI 451.