TAOS

***This agreement will remain in force until such time as it is formally modified or terminated.***

NEW MEXICO HIGHLANDS UNIVERSITY

| UNM –Taos A.S. Pre-Science Pre-Biology Focus General Education Core 31 Credit Hours | | |
|---|---|---|
| *Course #* | *Course name* | *CH* |
| **Area I. Communications - 6 credits** | | |
| ENGL 1120 | Composition II | 3 |
| Choose One | One course from the UNM Core Curriculum in Area I: Communication | 3 |
| **Area II. Mathematics - 3 credits** | | |
| MATH 1220 or 1350 | College Algebra or Intro to Statistics | 3 |
| **Area III. Physical & Natural Science - 4 credits** | | |
| BIOL 1110/ 1110L | General Biology | 4 |
| **Area IV. Social/Behavioral Sciences - 3 credits** | | |
| Choose One | One course from UNM Core Curriculum in Area IV: Social Behavioral Science | 3 |
| **Area V. Humanities - 3 credits** | | |
| Choose One | One course from UNM Core Curriculum in Area V: Humanities | 3 |
| **Area VI. Second Language - 3 credits** | | |
| Choose One | One course from UNM Core Curriculum in Area VI: Languages | 3 |
| **Area VII. Arts & Design - 3 credits** | | |
| Choose One | One course from UNM Core Curriculum in Area VII: Fine Arts | 3 |
| **Area VIII: Student Choice - 6 credits** | | |
| Choose One | One course from the UNM general education program from Areas 1-7. *Recommend MATH 1240 Pre-Calculus* | 3 |
| Choose One | *Students can apply credit hours from ENGL 1110 (or ENGL 1110y or ENGL 1110z) | 3 |
| **Program Requirements - 26-27 credits** | | |
| MATH 1430 | Applications of Calculus 1 | 3 |
| PHYS 1230/1230L | Algebra based Physics I and Algebra based Physics I Lab | 4 |
| CHEM 1215/ 1215L | General Chemistry I for STEM Majors / General Chemistry I for STEM Majors Lab | 4 |
| BIOL 2110C | Principles of Biology: Cellular and Molecular Lecture and Lab | 4 |
| FORS 2020 | Terrestrial Ecology *(replaces BIOL 2620 at NMHU)* | 4 |
| FORS 2030 | Water Resources | 4 |
| SUST 2110 | Climate Change & Sustainability | 3 |
| **Elective – 3-4 credits** | | |
| Choose One | Academically Transferable Course *Consult an advisor | 3-4 |
| | **Total AS Credits** | **60-61** |

**Signatures/Date for University of New Mexico - Taos**

C L Nicholls.

**NMHU B.S. Wildlife Biology**

UNM-Taos students who earn the Pre-Science, Pre-Biology focus degree (AS) as prescribed in this document will be admitted to NMHU as Juniors in the Wildlife Biology (BS) program. Except for the exceptions established here all core and lower level requirements will be transferred or waived.

Any deviation from this prescribed agreement will require appropriate approval from UNM-Taos and/or NMHU.

| NMHU Requirements - 39-42 credits | | |
|---|---|---|
| BIOL 2130 | Introduction to Biochemistry | 4 |
| BIOL 3000 | Genetics | 4 |
| BIOL 3020 | Animal Structure & Function | 4 |
| BIOL 3130 | Diversity and Systematics | 4 |
| FORS 3170 | Principles of Wildlife Management | 3 |
| FORS 3300 | Natural Resources Management Law & Policy | 3 |
| BIOL 3890 | Ecology | 4 |
| BIOL 4400 | Conservation Biology | 3 |
| BIOL 4760 | Evolution | 3 |
| BIOL 4980 | Applied Biological Research | 1-4 |
| **Other Requirements - 3 credits** | | |
| FORS 3400 | Quantitative Methods | 3 |
| **Electives - 18 credits In consultation with an advisor, students choose from the Wildlife, Botany, Habitat, and Fisheries Cluster.** | | |
| Choose Two | Choose two courses from the Wildlife Cluster (minimum of 6 credits) | 6-8 |
| Choose Three to Four | Choose three to four courses from any Cluster for a minimum total of 18 elective credits | 10-12 |
| | | |
| | **NMHU Major Concentration Total Credits** | **60-65** |
| | **UNM-Taos AS Credits** | **60-61** |
| | **Total Credit Hours (min. 120)** | **120-126** |

***Note: Bachelor's Degrees Require 45 Upper Division Credits**

**Signatures/Date for New Mexico Highlands University**

Department Chair

| | |
|---|---|
| Department Chair | Brandon Kempner School Dean |
| Dean of Instruction | VPAA |

## Course Clusters

**Wildlife Cluster**

- BIOL 4110 Herpetology (4)
- BIOL 4120 Ornithology (4)
- BIOL 4130 Mammalogy (4)
- BIOL 4450 Vertebrate Biology (4)
- BIOL 4940 Field Zoology (3)
- BIOL 4570 Advanced Wildlife Management (3)
- BIOL 4550 Wildlife Diseases (3)
- BIOL 4700 Comparative Animal Behavior (4)

**Botany Cluster**

- FORS 3130 Dendrology (3)
- BIOL 3030 Plant Structure & Function (4)
- BIOL 4930 Field Botany (3)
- BIOL 4220 Plant Physiology (4)
- BIOL 4740 Tropical Ecology (3)
- BIOL 4750 Field Tropical Ecology (3)
- BIOL 4880 Soil Ecology (3)
- FORS 4020 Sylviculture (3)

**Habitat Cluster**

- FORS 4070 Wildland Fire Management (3)
- FORS 4120 Introduction to GIS (4)
- FORS 4160 Soil Science (4)
- FORS 4200 Wildlife Habitat Management (3)
- BIOL 4300 Livestock Management (3)
- FORS 4240 Wildlife Pest Management (3)
- FORS 4120 Surveying GIS (4)
- GEOL 4150 Remote Sensing and Analysis (4)
- GEOL 4180 Advanced GIS (4)
- GEOL 4940 GIS Capstone Seminar (2)

**Fisheries Cluster**

- FORS 4000 Surface Hydrology (3)
- FORS 4080 Limnology (4)
- FORS 4180 Aquatic Ecology (4)
- BIOL 4250 Marine Biology (4)
- FORS 4350 Fisheries and Pisciculture (4)

**Recommendations to Students:**

To qualify for Federal Jobs, it is recommended to take 6 credits form the Wildlife Cluster, 9 credits from the Botany Cluster, and 4 credits of GIS from the Habitat Cluster.