

AS Biology and BS WFBM

Northern Wyoming Community College District

FRESHMAN

| Fall Semester | | | | Hrs | Spring Semester | | | | Hrs | |
|---|------|--|---|---|-----------------|---|---|--|-----------|--|
| Dept | # | Course Title | # | Dept | # | Course Title | # | | | |
| BIOL | 1010 | General Biology ³ | 4 | BIOL | 2020 | General Biology II ³ OR | 4 | | | |
| MATH | 1400 | Algebra ³ | 4 | BIOL | 2022 | Animal Biology ³ | 4 | | | |
| ENGL | 1010 | English I | 3 | STAT | 2050 | Fundamentals of Statistics OR | 4 | | | |
| Cultural Studies Requirement ¹ | | | 3 | MATH | 2200 | Calculus I ⁴ | | | | |
| ANTH | 1200 | Intro Cultural Anthropology ² | | AW | 0000 | Advanced Writing | 3 | | | |
| | | | | WL | 0000 | Health and Wellness | 2 | | | |
| | | | | Cultural Studies Requirement ¹ | | | 3 | | | |
| TOTAL | | | | 14 | TOTAL | | | | 16 | |

SOPHOMORE

| Fall Semester | | | | Hrs | Spring Semester | | | | Hrs | |
|---------------|------|-----------------------------------|---|-----------|-----------------|-------------------------------|---|---------------------------|-----------|--|
| Dept | # | Course Title | # | Dept | # | Course Title | # | | | |
| CHEM | 1020 | General Chemistry | 4 | ZOO | 2450 | Principles of Fish & Wildlife | 3 | | | |
| BIOL | 2023 | Plant/Fungal Biology ³ | 4 | CHEM | 1030 | General Chemistry II | 4 | | | |
| BIOL | 2400 | General Ecology ⁴ | 3 | PHYS | 1100 | Physics I | 4 | | | |
| BIOL | 2410 | Field Ecology ⁴ | 2 | CO/M | 1010 | Public Speaking | 3 | | | |
| | | | | CNST | 0000 | Constitutional Requirement | 3 | | | |
| TOTAL | | | | 13 | TOTAL | | | | 17 | |
| | | | | | | | | Total Degree Hours | 60 | |

1. Students are strongly encouraged to take a Cultural Awareness or Aesthetic Analysis course that corresponds to the College of Arts & Sciences Diversity (D) and Global Studies (G) electives or else they will have to take D & Gs at UW. A list of D & G courses that transfer is available here (https://wyosssb.uwyo.edu/bnrprod/bwckytfc.p_display_transfer_catalog). Courses that are either U3D or U3G meet the ASD and ASG, respectively. One suggested course is ANTH1200 Intro to Cultural Anthropology, which meets the ASG requirement.

2. Students are advised to take ANTH1200 as one of the *Cultural Studies Requirements* to meet the A&S **ASG** requirement

3. A minimum grade of C is required for BIOL1010, BIOL2020/2, BIOL2023, MATH1400

4. These courses for part of the "*minimum of 30h at C or better list*" for the whole BS degree (see below)

AS Biology and BS WFBM with Terrestrial option

University of Wyoming

JUNIOR

| Fall Semester | | | Hrs | Spring Semester | | | Hrs |
|---------------|------|-----------------------------------|------------------|-----------------|------|---|------------------|
| Dept | # | Course Title | # | Dept | # | Course Title | # |
| MATH | 1405 | Trigonometry ⁵ | 3 | STAT | 2050 | Fundamentals of Statistics OR | 4 |
| COSC | 1200 | Computer Information Systems | 3 | MATH | 2200 | Calculus I ³ | |
| LIFE | 3050 | Genetics ⁴ | 4 | ZOO | 4350 | Ornithology ³ | 3 |
| ZOO | 4420 | Conservation Biology ³ | 3 | | | Aquatic Biology Upper Elective ^{3,5} | 3 |
| | | Upper Elective ⁶ | 3 | | | Upper Elective ⁶ | 3 |
| | | | | | | ASD or ASG (A&S Core) | 3 |
| TOTAL | | | <u>16</u> | TOTAL | | | <u>16</u> |



SENIOR

| Fall Semester | | | Hrs | Spring Semester | | | Hrs |
|---------------|------|---------------------------------|------------------|-----------------|------|---|-------------------|
| Dept | # | Course Title | # | Dept | # | Course Title | # |
| ZOO | 4300 | Wildlife Ecol. Mgt ³ | 5 | ZOO | 4400 | Population Ecology ³ | 3 |
| ZOO | 4370 | Mammalogy ³ | 3 | ZOO | 4100 | Communication in Biological Sciences ⁴ | 3 |
| BOT | 4700 | Vegetation Ecology ³ | 4 | ZOO | 4190 | Comparative Physiology ³ | 4 |
| ZOO | 4970 | Internship | 1 | BOT/REWM | | any 2 courses ³ | 5 |
| TOTAL | | | <u>13</u> | TOTAL | | | <u>15</u> |
| | | | | | | Total Degree Hours | <u>120</u> |
| | | | | | | Upper Division Hours | <u>42</u> |

Transfer Recommendations and Notes:

1. Students interested in being certified by The Wildlife Society MUST consult their advisor for more information.

2. Time has been allocated for one of the two D&Gs. If the G or D is not met at NWCC then an additional 3h is required

3. A minimum of 30h must be at C or better for these courses.

4. A C is required

5. **Aquatic electives:** ZOO4330 Ichthyology, ZOO4440 Limnology, ZOO4310 Fisheries Management, ZOO4540 Invertebrate Zoology

7. **Electives:** These should be decided in consultation with your advisor.

AS Biology and BS WFBM with Aquatic option

University of Wyoming

JUNIOR

| Fall Semester | | | Hrs | Spring Semester | | | Hrs | |
|---------------|------|----------------------------|--------------|-----------------|------|---|--------------|-----------|
| Dept | # | Course Title | # | Dept | # | Course Title | # | |
| MATH | 1405 | Trigonometry ⁴ | 3 | STAT | 2050 | Fundamentals of Statistics OR | 4 | |
| COSC | 1200 | Comp Info Sys | 3 | MATH | 2200 | Calculus I | | |
| LIFE | 3050 | Genetics ⁴ | 4 | ZOO | 4330 | Ichthyology ³ | 3 | |
| ZOO | 4440 | Limnology ³ | 3 | | | Terrestrial Upper elective ^{3,5} | 3 | |
| ZOO | 4430 | Limnology Lab ³ | 2 | | | Upper Elective ⁶ | 3 | |
| | | | | | | Upper or Lower Division Elective | 3 | |
| | | | TOTAL | 15 | | | TOTAL | 16 |



SENIOR

| Fall Semester | | | Hrs | Spring Semester | | | Hrs | |
|---------------|------|---|--------------|-----------------|------|---|--------------|-----------|
| Dept | # | Course Title | # | Dept | # | Course Title | # | |
| ZOO | 4310 | Fisheries Management ³ | 3 | ZOO | 4400 | Population Ecology ³ | 3 | |
| ENR/BC | 4040 | Conservation Nat Resources ³ | 3 | ZOO | 4100 | Communication in Biological Sciences ⁴ | 3 | |
| ZOO | 4970 | Internship | 1 | ZOO | 4190 | Comparative Physiology ³ | 4 | |
| | | Upper or Lower Division Elective | 3 | | | Upper Elective ⁶ | 4 | |
| | | Upper or Lower Division Elective | 2 | | | Upper Elective ⁶ | 3 | |
| | | ASD or ASG (A&S Core) | 3 | | | | | |
| | | | TOTAL | 15 | | | TOTAL | 14 |

Total Degree Hours 120
Upper Division Hours 42

Transfer Recommendations and Notes:

- 1. Students interested in being certified by The American Fisheries Society MUST consult their advisor for more information.**
2. Time has been allocated for one of the two D&Gs. If the G or D is not met at NWCC then an additional 3h is required
3. A minimum of 30h must be at C or better for these courses.
4. A C is required
5. **Terrestrial electives:** BOT4700 Vegetation Ecology, ZOO4300 Wildlife Ecology & Management, ZOO4350 Ornithology, ZOO4370 Mammalogy
6. **Upper electives:** These should be decided in consultation with your advisor. For the *Aquatic* alignment, possible courses include REWM4285 Wildland Hydrology, REWM4700, Wildland Watershed Management, GEOG4450 Fluvial Geomorphology, ZOO4540 Invertebrate Zoology. There are also various seminars available.