**Natural Science AS**  
**Human Biology Concentration**  
*(Leading to UW Kinesiology & Health Promotion, BS)*  
Laramie County Community College

### FRESHMAN YEAR

<table>
<thead>
<tr>
<th>Fall Semester</th>
<th>Hrs</th>
<th>Spring Semester</th>
<th>Hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 1010 General Biology I</td>
<td>4</td>
<td>BIOL 2022 Animal Biology</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 1020 General Chemistry I</td>
<td>4</td>
<td>CHEM 1030 General Chemistry II</td>
<td>4</td>
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<tr>
<td>COLS 1000 Intro to College Success</td>
<td>3</td>
<td>ENGL 1010 English I: Composition</td>
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<tr>
<td>MATH 1400 College Algebra</td>
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<td>MATH 1405 Pre-Calculus Trigonometry</td>
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<td><strong>TOTAL</strong></td>
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### SOPHOMORE YEAR

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<th>Fall Semester</th>
<th>Hrs</th>
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<tbody>
<tr>
<td>CO/M 1010 Public Speaking</td>
<td>3</td>
<td>Aesthetic Analysis Requirement</td>
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<tr>
<td>MATH 2200 Calculus I</td>
<td>4</td>
<td>Cultural Awareness Requirement</td>
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<tr>
<td>PHYS 1110 General Physics I</td>
<td>4</td>
<td>US &amp; Wyoming Constitution Requirement</td>
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<tr>
<td>ZOO 2010 Anatomy &amp; Physiology I</td>
<td>4</td>
<td>STAT 2050 Fundamentals of Statistics</td>
<td>4</td>
</tr>
<tr>
<td>OR</td>
<td></td>
<td>MICR 2240 Medical Microbiology (+ hrs)</td>
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</tr>
<tr>
<td>OR</td>
<td></td>
<td>ZOO 2020 Anatomy &amp; Physiology II</td>
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<td><strong>TOTAL</strong></td>
<td><strong>15</strong></td>
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**TOTAL LCCC AS DEGREE HOURS**  **60**

Successful completion of the 2+2 plan requires that a student remain continuously enrolled and graduate with the associate's degree from his or her respective community college. • This is a guide for course work in the major; actual course sequence may vary by student. Please refer to the online student degree evaluation. • Not all courses are offered every semester and some electives may have prerequisites. Students should review the course descriptions in the catalogs of their respective institutions and consult with their academic advisor to plan accordingly. • Academic plans and course schedules may need to be altered if ACT or Math Placement scores require a student to take pre-college courses (e.g., MATH 0900, 0921, or 0925) before taking required math or English courses.

**Laramie County Community College requirements:**

In order to graduate, students must successfully complete a minimum of 60 credit hours, 15 of which must be from Laramie County Community College, with a grade point average of 2.0 or better at course level of 1000 or higher (ENGL 1001 does not apply).

**University of Wyoming requirements:**

Students must have a minimum cumulative GPA of 2.0 to graduate. • Students must complete 42 hours of upper division (3000-level or above) coursework, 30 of which must be from the University of Wyoming. • Courses must be taken for a letter grade unless offered only for S/U.

**UW College of Health Sciences Notes:**

Performance expectations for majors in the College of Health Sciences exceed institutional requirements. Please discuss with an academic advisor to understand the difference. • Admission to the clinical portion of Health Sciences majors is competitive and is not guaranteed even with minimum qualifications. Be prepared to meet and exceed expectations. • Background checks are required at some point within all Health Science majors and careers. Students should understand the long-term ramifications of all decisions and actions early on so as not to jeopardize future academic and career goals.

Transfer Recommendations and Program notes on page 2.
# Kinesiology & Health Promotion, BS

## JUNIOR YEAR

<table>
<thead>
<tr>
<th>Fall Semester</th>
<th>Hrs</th>
<th>Spring Semester</th>
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</thead>
<tbody>
<tr>
<td>KIN 3010</td>
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<td>KIN/HLED Required &amp; Elective Courses ^</td>
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</tr>
<tr>
<td>KIN 3021</td>
<td>4</td>
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<td>9</td>
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<tr>
<td>KIN/HLED Required &amp; Elective Courses ^</td>
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TOTAL 16

## SENIOR YEAR

<table>
<thead>
<tr>
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<th>Hrs</th>
<th>Spring Semester</th>
<th>Hrs</th>
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</thead>
<tbody>
<tr>
<td>USP Communication 3</td>
<td>C3</td>
<td>KIN 4015 Internship *</td>
<td>3</td>
</tr>
<tr>
<td>KIN 4015</td>
<td>3</td>
<td>KIN/HLED Required &amp; Elective Courses ^</td>
<td>16</td>
</tr>
<tr>
<td>KIN 4020</td>
<td>3</td>
<td></td>
<td>10</td>
</tr>
<tr>
<td>HLED 4016 Research Internship *</td>
<td>KIN/HLED Required &amp; Elective Courses ^</td>
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<td></td>
</tr>
<tr>
<td>KIN/HLED Required &amp; Elective Courses ^</td>
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</table>

TOTAL 15

TOTAL UW HOURS 60

TOTAL UW BA DEGREE HOURS 120

### UW Kinesiology & Health Sciences Program Notes:

- The Department of Kinesiology and Health Sciences requires 48 hours of upper division (3000- or 4000-level) credit for graduation with degrees in Kinesiology and Health Promotion and Physical Education Teaching.

^ **HLED and Kin Required and Elective Coursework.** Recommend taking eight to nine (8-9) hours if concurrently completing KIN 3010 (Fundamentals of Health & Fitness Assessment) and KIN 3021 (Physiology of Exercise); recommend 11-12 hours if not.

*HLED and Kin Required Coursework* (19 hours)

- HLED 3020 Community & Public Health Promotion (3 hrs)
- KIN 3010 Fundamentals of Health & Fitness Assessment (3 hrs)
- KIN 3021 Physiology of Exercise (4 hrs)
- KIN 3034 Lifespan Motor Development (3 hrs)
- KIN 3037 Sport Psychology (3 hrs)
- KIN 3042 Biomechanics of Human Movement (3 hrs)
- KIN 3052 Rehabilitation of Injuries (3 hrs)
- KIN 3058 Therapeutic Modalities for the Athletic Trainer (3 hrs)
- KIN 3060 Understanding Skill Acquisition for Teaching (3 hrs)

*HLED and Kin Elective Coursework* (15 hours minimum)

- HLED 4020 Food, Health and Justice (3 hrs)
- HLED 4025 Teaching Sensitive Issues in Human Sexuality (3 hrs)
- HLED 4130 Management of Coordinated School Health Program (3 hrs)
- KIN 3034 Lifespan Motor Development (3 hrs)
- KIN 3037 Sport Psychology (3 hrs)
- KIN 3038 Exercise Psychology (3 hrs)
- KIN 3040 Teaching Human Anatomy (3 hrs)
- KIN 3050 Prevention and Care of Injuries (3 hrs)
- KIN 3052 Rehabilitation of Injuries (3 hrs)
- KIN 3058 Therapeutic Modalities for the Athletic Trainer (3 hrs)
- KIN 3060 Understanding Skill Acquisition for Teaching (3 hrs)

Transfer Recommendations and Program Notes con’t on page 3.
Kinesiology & Health Promotion, BS

University of Wyoming

UW Kinesiology & Health Sciences Program Notes con't:

- KIN 4020 Motor Behavior (3 hrs)
- KIN 4024 Physical Activity Epidemiology (3 hrs)
- KIN 4029 Methods of Training and Conditioning (3 hrs)
- KIN 4042 Applied Biomechanics (3 hrs)\(^1\)
- KIN 4056 Advanced Exercise Testing and Prescription (3 hrs)\(^4\)
- KIN 4062 Concepts of Human Aging (3 hrs)
- KIN 4090 Foundations of Coaching (3 hrs)
- KIN 4097 Individual Problems: Mentoring in Human Anatomy (3 hrs)
- KIN 4900 Topics In: Concepts in Physical Therapy (2 hrs)
- KIN 4900 Topics In: Functional Movement Analysis (3 hrs)

1. One of two is required; the other course may be taken as an elective.
2. Elective - application and instructor permission required.
3. Prerequisite of KIN 3042 (Biomechanics of Human Movement).
4. Prerequisites of KIN 3010 (Fundamentals of Health & Fitness Assessment) and KIN 3021 (Physiology of Exercise).

** Six (6) credit hours of internship &/or research internship are required for the Kinesiology & Health Promotion major. Up to twelve (12) credit hours may be completed and applied toward the program of study. Internship credit hours may be split across terms (e.g., fall/spring/summer) or may be completed in a single semester if coursework scheduling allows.

**Therapeutic Science Emphasis.** For students pursuing a "therapeutic science" emphasis (e.g., medicine, physician assistant, PT, OT, optometry, chiropractic, etc.), 16 credit hours of additional science/math elective coursework offered outside the Division of Kinesiology & Health is typically required. Students should meet with their advisor and/or the College of Health Sciences pre-professional advisor to determine which elective science/math coursework is required/recommended. Elective coursework should be included in junior/senior program planning based on student needs and course availability. Some science courses are only offered one time per year (either fall or spring semester) so advance planning is recommended. Of the 16 additional science/math courses needed for students pursuing a therapeutic sciences emphasis, six to nine (6-9) credit hours may be applied as "Elective courses" in the junior/senior year coursework.

**Therapeutic Science Elective Courses** (to be taken in the junior/senior years; these are prerequisite courses for some pre-health professional programs; please discuss with an academic advisor.)

- CHEM 2420 Organic Chemistry I (4 hrs)
- CHEM 2440 Organic Chemistry II (4 hrs)
- LIFE 2022 Animal Biology (4 hrs)
- LIFE 3050 Genetics (4 hrs)
- MICR 2240 Medical Microbiology (4 hrs)
- MOLB 3610 Principles of Biochemistry (4 hrs)
- MOLB 4100 Clinical Biochemistry (4 hrs)
- MOLB 4600 Biochemistry I (3 hrs)
- PHYS 1120 General Physics II (4 hrs)
- PSYC 2300 Developmental Psychology (3 hrs)
- PSYC 2300 Abnormal Psychology (3 hrs)
- PSYC 3250 Health Psychology (3 hrs)
- ZOO 4125 Integrative Physiology (4 hrs)