UNIVERSITY OF HAWAI‘I ARTICULATION AGREEMENT

Leeward Community College Associate in Science degree in Natural Science with a concentration in Biological Sciences to the University of Hawai‘i-West O‘ahu Bachelor of Science in Natural Science degree with a concentration in Health Sciences

The purpose of this Agreement is to facilitate a smooth transition for students from the Leeward Community College Associate in Science (AS) in Natural Science with a concentration in Biological Sciences program to the University of Hawai‘i-West O‘ahu Bachelor of Science (BS) in Natural Science with a concentration in Health Sciences program.

This recommended pathway is designed to produce multiple entry and exit points to flexibly serve student career and educational objectives. Students may use dual enrollment as a method of completing the required coursework outlined in the attachments to this agreement, contingent upon eligibility, deadlines, and established procedures.

Students must graduate from Leeward Community College with the articulated AS degree in Natural Science to be eligible for the benefits of this Agreement. Completion of the articulated AS degree will enable students to follow the University of Hawai‘i-West O‘ahu core, concentration, general education, focus, and graduation requirements in place on the effective term of this agreement. Participation in the University of Hawai‘i Automatic Admissions transfer process is possible for students planning to complete the AS in Natural Science provided that eligibility, deadlines and procedures established for the designated term of entry are met. Students who do not complete the AS in Natural Science degree at Leeward Community College will be required to meet catalog requirements in place upon admission to the University of Hawai‘i-West O‘ahu. While this academic pathway represents the most efficient coursework progression from the AS program at Leeward Community College through the BS program at the University of Hawai‘i-West O‘ahu, individual course substitutions may be made on a case-by-case basis when recommended courses are not available; however, all core, concentration, general education, focus, and graduation requirements must still be met in those individual cases.

Requirements of the articulated Associate in Science (AS) in Natural Science with a concentration in Biological Sciences and the Bachelor of Science (BS) in Natural Science with a concentration in Health Sciences are provided as attachments and form the basis of this Agreement. Subsequent changes to the curricular requirements of these programs may require revisions to this Agreement.
Under the terms of this Agreement, the University of Hawai‘i-West O‘ahu agrees to:

1. Identify Success Advisors at the University of Hawai‘i-West O‘ahu who will partner with Leeward Community College Counselors to ensure timely and accurate advising information on pre-admission, admission, degree requirements, and other related advising information.

2. Identify a Success Advisor at the University of Hawai‘i-West O‘ahu who will work with their campus STAR personnel to develop an accurate STAR pathway for students pursuing this articulation agreement.

3. Identify a University of Hawai‘i-West O‘ahu faculty member who will serve as the faculty advisor to students who are part of this articulation in the selected concentration.

4. Inform students that financial aid may be available through either institution as the student identifies his/her home campus each semester, and that students must follow the financial aid policies and procedures at that home school in order to be eligible for financial aid.

5. Meet with Leeward Community College faculty and/or administration minimally every two years, or on an as-needed basis, to discuss potential and planned curricular changes.

Under the terms of this Agreement, Leeward Community College agrees to:

1. Place a notation in the advisor notes in STAR which identifies AS in Natural Science students intending to transfer to the University of Hawai‘i-West O‘ahu who are in the process of completing the AS degree and are a part of this articulation.

2. Identify a Counselor at Leeward Community College who will partner with the University of Hawai‘i-West O‘ahu advisors to ensure timely and accurate advising information on pre-admission, admission, degree requirements, and other relevant advising information.

3. Identify a Leeward Community College faculty member who will serve as the faculty advisor to students who are part of the articulation.

4. Inform students that financial aid may be available through either institution as the student identifies his/her home campus each semester, and that students must follow the financial aid policies and procedures at that home school in order to be eligible for financial aid.

5. Meet with the University of Hawai‘i-West O‘ahu faculty and/or administration minimally every two years, or on an as needed basis, to discuss potential and planned curricular changes.
This Articulation Agreement is effective beginning Fall 2020 and is based on the General Education and Focus requirements in effect at the University of Hawai'i-West O'ahu for 2020-2021.

This Agreement will be subject to review in Spring 2022 and may be continued, revised or discontinued with the consent of both parties. Should both parties agree to terminate the Agreement, the University of Hawai'i-West O'ahu will honor the Agreement stipulations for identified students currently enrolled in this articulation option at the time of termination.
Approvals

University of Hawai‘i-West O‘ahu

Maenette K.P. Benham
Chancellor

Date: 8/10/2020

Carlos Penaloza
Chancellor

Date: 10/5/20

Leeward Community College

Jeffrey Moniz
Vice Chancellor for Academic Affairs

Date: 8/2/2020

Kay Ono
Interim Vice Chancellor for Academic Affairs

Date: 10/18/20

Michael Furuto
Associate Professor, Mathematics & MNHS Division Chair

Digitally signed by Michael Furuto
Date: 2020.08.04 15:25:06 -10'00'

James Goodman
Dean of Arts and Sciences

Date: 5/17/20

Rebecca Romine
Assistant Professor, Health Sciences

Digitally signed by Rebecca Romine
Date: 2020.08.03 21:15:37 -10'00'

William McDaniel Albritton
Associate Professor, Math & Science Division Chair

Digitally signed by William McDaniel Albritton
Date: 2020.08.17 08:30:05 -10'00'

Date of Agreement: ____________________  Effective Term: Fall 2020
## Required Program Courses

<table>
<thead>
<tr>
<th>Credits</th>
<th>LCC Course</th>
<th>Course Title</th>
<th>UH West O'ahu Requirement</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td>ENG 100</td>
<td>Composition I</td>
<td>FW</td>
</tr>
<tr>
<td>4</td>
<td>MATH 241</td>
<td>Calculus I</td>
<td>FQ, MATH 241</td>
</tr>
<tr>
<td>6</td>
<td>Foundations Global Multicultural Perspectives</td>
<td>Complete 6 credits from two different groups (FGA, FGB, FGC)</td>
<td>FGA/FGB/FGC</td>
</tr>
<tr>
<td>3</td>
<td>Diversification Social Sciences</td>
<td>Recommend PSY 100</td>
<td>DS</td>
</tr>
<tr>
<td>3</td>
<td>Diversification of Arts, Humanities or Literature</td>
<td>Recommend HWST 107 Hawai'i: Center of the Pacific</td>
<td>DH, HAP</td>
</tr>
<tr>
<td>3</td>
<td>BIOL 171</td>
<td>Introduction to Biology I</td>
<td>DB, BIOL 171</td>
</tr>
<tr>
<td>1</td>
<td>BIOL 171L</td>
<td>Introduction to Biology I Lab</td>
<td>DY, BIOL 171L</td>
</tr>
<tr>
<td>3</td>
<td>CHEM 161</td>
<td>General Chemistry I</td>
<td>DP, CHEM 161</td>
</tr>
<tr>
<td>1</td>
<td>CHEM 161L</td>
<td>General Chemistry I Lab</td>
<td>CHEM 161L</td>
</tr>
<tr>
<td>3</td>
<td>CHEM 162</td>
<td>General Chemistry II</td>
<td>CHEM 162</td>
</tr>
<tr>
<td>1</td>
<td>CHEM 162L</td>
<td>General Chemistry II Lab</td>
<td>CHEM 162L</td>
</tr>
<tr>
<td>3</td>
<td>BIOL 172</td>
<td>Introduction to Biology II</td>
<td>BIOL 172</td>
</tr>
<tr>
<td>1</td>
<td>BIOL 172L</td>
<td>Introduction to Biology II Lab</td>
<td>BIOL 172L</td>
</tr>
<tr>
<td>3</td>
<td>CHEM 272</td>
<td>Organic Chemistry I</td>
<td>Elective</td>
</tr>
<tr>
<td>2</td>
<td>CHEM 272L</td>
<td>Organic Chemistry I Lab</td>
<td>Elective</td>
</tr>
<tr>
<td>5</td>
<td>Choose One:</td>
<td>CHEM 273/L Organic Chemistry II and Lab</td>
<td>Elective or BIOL 275/L</td>
</tr>
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</tr>
<tr>
<td>15</td>
<td>Choose 15 credits of Natural Science Electives</td>
<td>Recommended for Health Sciences Concentration Elective</td>
<td>MATH 242</td>
</tr>
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</tbody>
</table>
**Note:** To receive General Education or Focus requirements at the University of Hawai‘i-West O‘ahu, the course needs to be designated at the time of completion from Leeward Community College.

**60 Total Credits**
Attachment II

UNIVERSITY OF HAWAI‘I-WEST O‘AHU
Bachelor of Science in Natural Science with a concentration in Health Sciences
University of Hawai‘i-West O‘ahu Articulation Option Requirements
Based on Catalog Year: 2020-2021

**General Education Requirements (31 credits)**

<table>
<thead>
<tr>
<th>Gen Ed / Focus</th>
<th>Credits</th>
<th>Requirement/Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>FW</td>
<td>3</td>
<td>Written Communication: ENG 100 Composition I</td>
</tr>
<tr>
<td>FS/FQ</td>
<td>3</td>
<td>Symbolic Reasoning: MATH 241 Calculus I</td>
</tr>
<tr>
<td>FG</td>
<td>6</td>
<td>Global &amp; Multi-cultural Perspectives: Complete 6 credits from two different groups (FGA, FGB or FGC)</td>
</tr>
<tr>
<td>DA, DH,</td>
<td>6</td>
<td>Diversification Arts, Humanities or Literature: Complete 6 credits from two different areas</td>
</tr>
<tr>
<td>DL</td>
<td></td>
<td></td>
</tr>
<tr>
<td>DS</td>
<td>6</td>
<td>Diversification Social Sciences: Complete 6 credits from two different subject areas</td>
</tr>
<tr>
<td>DB, DP, DY</td>
<td>7</td>
<td>Diversification Natural Sciences: Complete 3 credits of Biological Science (DB), 3 credits of Physical Science (DP) and 1 credit of Lab (DY)</td>
</tr>
</tbody>
</table>

**Writing Skills Requirement (3 credits)**

ENG 200 Composition II or ENG 209 Business Writing

**Natural Science Core Requirements (28-38 credits)**

<table>
<thead>
<tr>
<th>Gen Ed / Focus</th>
<th>Credits</th>
<th>Course</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>FQ</td>
<td>1-4</td>
<td>MATH 241</td>
<td>Calculus I (may also satisfy general ed FQ above)</td>
</tr>
<tr>
<td></td>
<td>4</td>
<td>MATH 242</td>
<td>Calculus II</td>
</tr>
<tr>
<td>DP/DY</td>
<td>0-4</td>
<td>CHEM 161/L</td>
<td>General Chemistry I and Lab (may also satisfy general ed DP/DY above)</td>
</tr>
<tr>
<td></td>
<td>4</td>
<td>CHEM 162/L</td>
<td>General Chemistry II and Lab</td>
</tr>
<tr>
<td></td>
<td>4</td>
<td>Select one:</td>
<td>• PHYS 151/L College Physics I and Lab</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>• PHYS 170/L General Physics I and Lab *PHYS 170/L is 5 credits</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>• PHYS 152/L College Physics II and Lab</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>• PHYS 272/L General Physics II and Lab</td>
</tr>
<tr>
<td>DB</td>
<td>1-4</td>
<td>BIOL 171/L</td>
<td>Introduction to Biology I and Lab (may also satisfy general ed DB above)</td>
</tr>
<tr>
<td></td>
<td>4</td>
<td>BIOL 172/L</td>
<td>Introduction to Biology II and Lab</td>
</tr>
<tr>
<td>Gen Ed / Focus</td>
<td>Credits</td>
<td>Course</td>
<td>Course Title</td>
</tr>
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</tr>
</tbody>
</table>
|               | 3       | Select one: | • HLTH 204 Introduction to Native Hawaiian & Indigenous Health and Healing  
|               |         |         | • HLTH 205 Hawaiian Ways of Healing  
|               |         |         | • NSCI 300 Interdisciplinary Indigenous Science and Health (Recommended for Articulated Transfer students)  
|               | 0       | NSCI 100 | Transdisciplinary Introduction to Laboratory Methods (Waived for Leeward ASNS Articulated Students)  
|               | 0       | NSCI 200 | Transdisciplinary Introduction to Research Methods (Waived for Leeward ASNS Articulated Students)  
|               | 3       | NSCI 400 | Interdisciplinary Seminar  

**Health Sciences Concentration Requirements (29-35 credits)**

<table>
<thead>
<tr>
<th>Credits</th>
<th>Requirement/Course Title</th>
</tr>
</thead>
</table>
| 4       | PHYL 141/141L Human Anatomy and Physiology I and Lab  
| 4       | PHYL 142/142L Human Anatomy and Physiology II and Lab  
| 3       | HLTH 117 Survey of Health Professions  
| 3       | HLTH 123 Introduction to Clinical Skills and Patient Care  
| 0-3     | PSY 100 Survey of Psychology *(may also satisfy general ed DS above)*  
| 0-3     | PUBA 104 Introduction to Community Health *(may also satisfy general ed DS above)*  
| 3       | HLTH 242 Medical Terminology  
| 3       | HLTH 395 Health and Wellness for Life  
| 3       | HLTH 350 Biostatistics  
| 3       | **Select one course from the following:**  
|         | • BIOL 365 Research Methods in Biology  
|         | • PUBA 308 Community Engaged Research Methods  
| 3       | **Select one course from the following:**  
|         | • PUBA 477 Ethics in Healthcare Administration (ETH)  
|         | • BIOL 405 Ethics for Biologists (ETH)  

**Health Sciences Concentration Elective Requirement (12 credits)**
At least 9 credits need to be Upper Division 300-400 level  
- ANTH 425 Medical Anthropology  
- ANTH 480 Land, Culture & Social Justice  
- BIOC 441 Basic Biochemistry  
- BIOL 275/275L Cell and Molecular Biology/Lab  
- BIOL 340 Genetics, Evolution, and Society  
- BIOL 375/375L Genetics/Lab  
- BIOL 380/380L Advanced Human Anatomy & Lab  
- BIOL 384/384L Human Skeletal Biology & Lab  
- HLTH 302 One Health Approach to Infectious Disease  
- MATH 304 Mathematical Modeling  
- PHYL 301/301L Adv Human Anatomy & Phys/Lab
PHYL 354/354L Exercise Physiology & Lab
PSY 371 Abnormal Psychology
PSY 473 Psychology of Healing
PUBA 302 Health Policy, Politics, & Law
PUBA 314 Community Epidemiology & Population Health
PUBA 318 Managed Care
PUBA 354 Program Planning & Evaluation in Health
PUBA 446 Contemporary Issues in Healthcare
SCFS 340 Food Sovereignty, Nutrition & Human Wellbeing: Reconnecting Food, Nature & Community
SOC 354 Survey of Medical Sociology
SOC 412 Death, Dying, & Bereavement
SOC 479 Applied Sociology: Community-Based Participatory Research in Health

**Capstone Requirement (3 credits)**
NSCI 486H Senior Project or NSCI 490H Senior Practicum

**Elective Requirement:**
Additional coursework may be needed to meet the University of Hawai‘i-West O‘ahu 120 total credit and/or upper division 30 credit minimum. Students are encouraged to select upper division coursework that fulfill any outstanding General Education requirements upon transfer to the University of Hawai‘i-West O‘ahu. Please check with your Success Advisor to determine if elective credits are needed.

**Focus Requirements**
**Requirement**
- Oral Communication (OC)
- Contemporary Ethical Issues (ETH)
- Hawaiian, Asian and Pacific Issues (HAP)
- *Can be met in combination with other requirements

**Writing Intensive Requirement**
Complete 3 upper division (300 or higher level) Writing Intensive (WI) courses. A minimum of two classes must come from coursework outside of the Capstone Course (NSCI 486H or 490H)
*Whenever possible, WI sections of required core or concentration courses are highly recommended.*

**Note:** A minimum of 120 total credits must be earned of which 45 credits must be at the 300-400 level (also called “upper-division courses”). However, for students enrolled in the BSNS-Health Sciences Concentration, the upper-division course requirement may be reduced. Students should meet with the Faculty Advisor or Success Advisor to discuss course options. A minimum of 30 credits must be earned “in residence” through courses taken at the University of Hawai‘i-West O‘ahu.
Bachelor of Science in Natural Science, Health Sciences  
(Leeward CC ASNS, Biological Sciences Articulation Agreement  
Effective Fall 2020)

The goal of academic advising is to further enhance the educational mission of the university, and create quality, accessible advising partnerships with all students in a positive environment that supports student success. This advising sheet is for tracking purposes toward degree completion and is subject to change. Students also may track their academic progress via STAR Degree Check by visiting www.star.hawaii.edu. Academic Advising appointments may be scheduled by calling 808-689-2863 or toll-free from neighbor islands at 866-259-2866.

**Graduation Requirements (see the 2020-2021 catalog for any additional graduation requirements):**

- 30 Upper Division Credits Minimum
- 120 Total Credits Minimum
- 3 Upper Division Writing Intensive Courses
- Focus Requirements (OC, HAP, ETH)
- 2.0 UHWO GPA
- 2.0 CONCENTRATION GPA

### General Education Requirements: 31 credits

<table>
<thead>
<tr>
<th>Credits</th>
<th>Course Alpha / Number / Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td>Foundations Written Communications (FW) /Leeward CC ENG 100 ENG 100 Composition I</td>
</tr>
<tr>
<td>3</td>
<td>Foundations of Quantitative Reasoning (FQ) /Leeward CC MATH 241 MATH 241 Calculus I</td>
</tr>
</tbody>
</table>
| 6       | Foundations Global and Multicultural Perspectives (FG): /Leeward CC FGA, FGB, FGC 6 credits from two different groups (A, B, C): *Group A: Primarily before 1500 CE (e.g.; HIST 151 or ANTH 151)  
*Group B: Primarily after 1500 CE (e.g.; HIST 152 or ANTH 152)  
*Group C: Pre-history to present |
| 3       | Diversification Arts, Humanities & Literature (DA, DH, DL): /Leeward CC HWST 107 DH, HAP 6 credits from different areas |
| 3       | Diversification Arts, Humanities & Literature (DA, DH, DL): Different area from above. |
| 3       | Diversification Social Sciences (DS): 6 credits from two different areas /Leeward CC PSY 100 |
| 3       | Diversification Social Sciences (DS): Different area from above. Recommend PUBA 104 |
| 3       | Diversification Natural Sciences (DB, DP, DY): /Leeward CC BIOL 171 3 credits from the biological sciences (DB): |
| 3       | 3 credits from the physical sciences (DP): /Leeward CC CHEM 161 |
| 1       | 1 credit of laboratory (DY): /Leeward CC BIOL 171L |

### Writing Skills Requirement: 3 credits

<table>
<thead>
<tr>
<th>Credits</th>
<th>Course Alpha / Number / Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td>ENG 200 Composition II (or equivalent) with a &quot;C-&quot; or higher</td>
</tr>
</tbody>
</table>

### Natural Science Core Requirements: 26-38 credits

*Up to 10 credits may also fulfill General Education Requirements*

<table>
<thead>
<tr>
<th>Credits</th>
<th>Course Alpha / Number / Title</th>
</tr>
</thead>
</table>
| 0-4*    | CHEM 161/ 161 L General Chemistry I and Lab (may also satisfy general ed DP/DY above) /Leeward CC  
Prerequisite: Placement into ENG 100 or concurrent enrollment in ENG 100T and MATH 103 with a C or higher or concurrent enrollment in MATH 241 |
| 4       | CHEM 162/ 162 L General Chemistry II and Lab /Leeward CC  
Prerequisite: CHEM 161 with a C or higher |
| 1-4*    | MATH 241 Calculus I /Leeward CC  
Prerequisite: Grade of "C" or better in MATH 140 or equivalent; or placement into MATH 241 |
| 4       | MATH 242 Calculus II /Leeward CC  
Prerequisite: Grade of "C" or better in MATH 241 or equivalent; or placement into MATH 242 |
| 4       | PHYS 151/ 151L College Physics I and Lab or PHYS 170/ 170 L General Physics I and Lab *PHYS 170L is 5 credits  
Prerequisite: MATH 140 with a C or better, or Math 241 with a C or better or concurrent with Math 241 /Leeward CC |
| 4       | PHYS 152/ 152 L College Physics II and Lab or PHYS 272/ 272 L General Physics II and Lab /Leeward CC  
Prerequisite: PHYS 151/151L with a C or better, or PHYS 170/170L with a C or better and Math 242 with a C or better or concurrent with Math 242 |
<table>
<thead>
<tr>
<th>Credits</th>
<th>Course Alpha / Number / Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>4</td>
<td>BIOL 171/171L Introduction to Biology I and Lab (may also satisfy general ed DB above) /Leeward CC</td>
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<tr>
<td></td>
<td>Prerequisite: Completion of one of concurrent enrollment in either CHEM 161 or 161</td>
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<tr>
<td>4</td>
<td>BIOL 172/172L Introduction to Biology II and Lab /Leeward CC</td>
</tr>
<tr>
<td></td>
<td>Prerequisite: BIOL 171/171L</td>
</tr>
<tr>
<td>3</td>
<td>Select one course from the following:</td>
</tr>
<tr>
<td></td>
<td>HLTH 204 Introduction to Native Hawaiian &amp; Indigenous Health and Healing</td>
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<tr>
<td></td>
<td>HLTH 205 Hawaiin Ways of Healing</td>
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<tr>
<td></td>
<td>NSCI 300 Interdisciplinary Indigenous Sciences and Health (Recommended)</td>
</tr>
<tr>
<td>0</td>
<td>NSCI 100 Transdisciplinary Introduction to Laboratory Methods (Waived)</td>
</tr>
<tr>
<td>0</td>
<td>NSCI 200 Transdisciplinary Introduction to Research Methods (Waived)</td>
</tr>
<tr>
<td></td>
<td>Prerequisite: NSCI 100 or BIOL 171L or CHEM 161L with a grade of C- or better and MATH 100 or higher MATH, with a grade of C- or better</td>
</tr>
<tr>
<td>3</td>
<td>NSCI 400 Interdisciplinary Seminar</td>
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<td>Prerequisite: NSCI 200 and Senior Standing</td>
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### Health Sciences Lower Division Concentration Requirement: 17-23 credits

<table>
<thead>
<tr>
<th>Credits</th>
<th>Course Alpha / Number / Title</th>
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</thead>
<tbody>
<tr>
<td>4</td>
<td>PHYL 141/141L Human Anatomy and Physiology I and Lab /Leeward CC</td>
</tr>
<tr>
<td></td>
<td>Prerequisite: Completion or concurrent enrollment in ENG 100</td>
</tr>
<tr>
<td>4</td>
<td>PHYL 142/142L Human Anatomy and Physiology II and Lab /Leeward CC</td>
</tr>
<tr>
<td></td>
<td>Prerequisite: Grade of 'C' in PHYL 141</td>
</tr>
<tr>
<td>3</td>
<td>HLTH 117 Survey of Health Professions</td>
</tr>
<tr>
<td>3</td>
<td>HLTH 123 Introduction to Clinical Skills and Patient Care</td>
</tr>
<tr>
<td>0-3</td>
<td>PSY 100 Survey of Psychology (may also satisfy general ed DS above) /Leeward CC</td>
</tr>
<tr>
<td>0-3</td>
<td>PUBA 104 Introduction to Community Health (may also satisfy general ed DS above)</td>
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<tr>
<td>3</td>
<td>HLTH 242 Medical Terminology</td>
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</table>

### Health Sciences Upper Division Concentration Requirements: 12 credits

<table>
<thead>
<tr>
<th>Credits</th>
<th>Course Alpha / Number / Title</th>
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<tbody>
<tr>
<td>3</td>
<td>HLTH 395 Health and Wellness for Life</td>
</tr>
<tr>
<td>3</td>
<td>HLTH 350 Biostatistics</td>
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<td>Prerequisite: MATH 135 or higher</td>
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<tr>
<td>3</td>
<td>Select one course from the following:</td>
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<tr>
<td></td>
<td>BIOL 365 Research Methods in Biology (Prerequisite: BIOL 101 or BIOL 171)</td>
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<tr>
<td></td>
<td>PUBA 308 Community Engaged Research Methods</td>
</tr>
<tr>
<td>3</td>
<td>PUBA 477 Ethics in Healthcare Administration (ETH) OR</td>
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<td></td>
<td>BIOL 405 Ethics for Biologists (ETH) Prerequisite: BIOL 101 or BIOL 171</td>
</tr>
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### Health Sciences Electives: 12 credits

At least 9 credits need to be Upper Division 300-400 level

<table>
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<tr>
<th>Course Description</th>
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<tbody>
<tr>
<td>PSY 473 Psychology of Healing</td>
</tr>
<tr>
<td>PUBA 302 Health Policy, Politics, &amp; Law</td>
</tr>
<tr>
<td>PUBA 314 Community Epidemiology &amp; Population Health</td>
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<tr>
<td>PUBA 318 Managed Care</td>
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<tr>
<td>PUBA 354 Program Planning &amp; Evaluation in Health</td>
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<td>PUBA 446 Contemporary Issues in Healthcare</td>
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<tr>
<td>SCFS 340 Food Sovereignty, Nutrition &amp; Human</td>
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<tr>
<td>Wellbeing: Reconnecting Food, Nature &amp; Community</td>
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<tr>
<td>SOC 354 Survey of Medical Sociology</td>
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<td>SOC 412 Death, Dying, &amp; Bereavement</td>
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<td>SOC 479 Applied Sociology: Community-Based</td>
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<td>Participatory Research in Health</td>
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**Capstone Requirement: 3 credits**

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<td>NSCI 486H Senior Project (WI) or NSCI 490H Senior Practicum (WI)</td>
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**Elective Requirements: 0-14 credits, check with your College Success Advisor to determine how many elective credits are needed.**

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<td>Possible Upper Division Elective</td>
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<td>Leeward CC CHEM 272</td>
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<td>Leeward CC CHEM 272 Lab</td>
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<td>Leeward CC BIOL 275 Lab</td>
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Dr. Romine (rromina@hawaii.edu) is the Faculty contact for this concentration.