

Bachelor of Science in Human Nutrition Degree

5th year BSc HKIN

2024-24

Course Sequence (for students entering BSc HNU in 2023 or earlier)

Fall Term

Winter Term

Year 1

- | | | | |
|---|----------------------------------|---|---------------------------------|
| <input type="checkbox"/> HNU 142 | Introduction to Food & Nutrition | <input type="checkbox"/> HNU 145 | Introduction to Foods |
| <input type="checkbox"/> CHEM 101 | Chemistry | <input type="checkbox"/> CHEM 102 | Chemistry |
| <input type="checkbox"/> BIOL 111 | Introductory Cell Biology | <input type="checkbox"/> BIOL 215 | Microbiology in Human Nutrition |
| <input type="checkbox"/> _____ | 6 credits Arts X | | |
| <input type="checkbox"/> _____ | 6 credits Arts Y..... | | |

Year 2

- | | | | |
|--|----------------------------------|---|---|
| <input type="checkbox"/> HNU 245 ₍₁₄₆₎ | Fundamentals of Food Science | <input type="checkbox"/> _____ | Elective (open) |
| <input type="checkbox"/> HNU 242 | Foundations of Nutrition Science | <input type="checkbox"/> HNU 262 | Principles of Nutrition in Human Metabolism |
| <input type="checkbox"/> BIOL 251 | Human Anatomy & Physiology I | <input type="checkbox"/> BIOL 252 | Human Anatomy & Physiology II |
| <input type="checkbox"/> CHEM 225 | Organic Chemistry | <input type="checkbox"/> CHEM 255 | Introductory Biochemistry |
| <input type="checkbox"/> STAT 101 | Elementary Statistics | <input type="checkbox"/> BSAD 102 | Business Decision Making |

Year 3

- | | | | |
|---|---|--|---------------------|
| <input type="checkbox"/> HNU 351 | Nutritional Assessment | <input type="checkbox"/> HNU 365 | Community Nutrition |
| <input type="checkbox"/> HNU 384 | Research Methods: Theory & Design | <input type="checkbox"/> HNU _____ | Elective |
| <input type="checkbox"/> HNU _____ | Elective | <input type="checkbox"/> HNU _____ | Elective |
| <input type="checkbox"/> HNU _____ | Elective | <input type="checkbox"/> BIOL 112 | Elective (open) |
| <input type="checkbox"/> _____ | 6 credits Arts X for a pair (12 credits in one Arts discipline) | | |

Year 4

- | | | | |
|---|-------------------|---|--|
| <input type="checkbox"/> HNU 405 | Food Availability | <input type="checkbox"/> HNU 475 | Effecting Change |
| <input type="checkbox"/> HNU _____ | Elective | <input type="checkbox"/> HNU 363 | Sport Nutrition |
| <input type="checkbox"/> HNU _____ | Elective | <input type="checkbox"/> HNU _____ | Elective |
| <input type="checkbox"/> _____ | Elective (open) | <input type="checkbox"/> HKIN* _____ | Elective (open) e.g. 136/150/154/215/222/226/234 |
| <input type="checkbox"/> _____ | Elective (open) | <input type="checkbox"/> _____ | Elective (open) |

Note: Required HNU courses for the degree are in bold.

*HKIN skills, 115, 151, and 152 are restricted to HKIN majors only. Pre-requisites may also apply. Submit a program restriction override request to the HKIN Department Chair to register for an HKIN elective.

By choosing **BIOL 112** and a **3-credit HKIN elective** as **open electives**, **BSc HNU students** can apply to the **BSc HKIN degree program** and complete a second BSc degree in one academic year. In year 5 students will complete a HKIN degree with the following courses: HKIN 136, 215, 265, 367; 6 credits of skills, and 2 of HKIN 253, 264, 332, 352, 354, 431, 443, 455; 6 credits of HKIN electives. Students must submit re-entry application.

This pathway is strongly recommended for students interested in sport nutrition-related careers. It also opens the door to careers in physiotherapy, chiropractic and other health professions. Please see the [Departmental website](#) and your academic advisor for more information.

[Co-op Education](#) is available with any BSc HNU degree! Apply in year 2.

Honours & Advanced Major Degrees in Human Nutrition

The normal sequence for the **BSc in HNU with Advanced Major** is identical to **B.Sc. in HNU Major** with the addition of HNU 491: Advanced Major and Honours Seminar in year 4. **The BSc in HNU with Honours** requires **HNU 485: Research Methods: Application & Analysis in year 3; HNU 491, HNU 490** (a 6-credit thesis course) **in year 4**; and a minimum of 18 credits in HNU electives at the 300 level or higher. There are only 12 credits of open electives in the honours degree.

Year 3 Honours

- | | | | |
|------------------------------------|---|--|---|
| <input type="checkbox"/> HNU 351 | Nutritional Assessment | <input type="checkbox"/> HNU 365 | Community Nutrition |
| <input type="checkbox"/> HNU 384 | Research Methods: Theory & Design | <input type="checkbox"/> HNU 485 | Research Methods: Application & Analysis |
| <input type="checkbox"/> HNU _____ | Elective | <input type="checkbox"/> HNU _____ | Elective |
| <input type="checkbox"/> HNU _____ | Elective | <input type="checkbox"/> <u>BIOL 112</u> | Elective (open) |
| <input type="checkbox"/> _____ | 6 credits Arts X for pair (12 credits in one discipline)..... | | |

Year 4 Honours (Note: Register in HNU 491 Seminar for the full academic year)

- | | | | |
|---|-----------------------|---|-----------------------|
| <input type="checkbox"/> HNU 405 | Food Availability | <input type="checkbox"/> HNU 475 | Effecting Change |
| <input type="checkbox"/> HNU 490 | Honours thesis | <input type="checkbox"/> HNU 490 | Honours thesis |
| <input type="checkbox"/> HNU _____ | Elective | <input type="checkbox"/> HNU _____ | Elective |
| <input type="checkbox"/> HNU _____ | Elective | <input type="checkbox"/> HNU _____ | Elective |
| <input type="checkbox"/> _____ | Elective (open) | <input type="checkbox"/> <u>HKIN*</u> | Elective (open) |

Note: OPEN electives may also be used to take Human Nutrition elective courses.

Human Nutrition Electives#

Fall Term:

		HNU Prerequisite
HNU 355 ⁽³⁵²⁾	Nutrition in Chronic Disease Prevention & Management (with lab)	HNU 225/351
HNU 356	Introduction to Food Service & Quantity Food Production (with lab)	HNU 262/ <i>BSAD 102</i>
HNU 366	Maternal and Child Nutrition	HNU 262
<i>BSAD 356/HNU 471</i>	Entrepreneurship/Entrepreneurial Practices for HNU	<i>BSAD 102</i>
<i>NURS 433/HNU 433</i>	Introduction to Policy for Health Interdisciplinary Strategies	--

Winter Term:

HNU 225	Foundations of Professional Practice (with lab)	HNU 242
HNU 328	Functional Foods	HNU 146/ <i>STATS 101</i>
HNU 363	Sport Nutrition	HNU 262/ <i>CHEM 255</i>
<i>HLTH 301/HNU 421</i>	Global Health/Food & Nutrition for Global Health Equity	HNU 142
HNU 425	Nutrition in Aging	HNU 262/ <i>BIOL 252</i>
<i>HNU 445</i>	<i>Food Product Development (with lab); offered in alternate years (2025-26)</i>	<i>HNU 146</i>
HNU 452	Clinical Nutrition	HNU 355(352)
HNU 456	Food Service System Management	HNU 356
HNU 485	Research Methods: Application & Analysis	HNU 385

#Students should confirm course availability and term selection with the Office of the Registrar, prior to registration.

Note: The normal sequence for meeting requirements for application to Partnership for Dietetic Education & Practice (PDEP) approved practicum programs (either the StFX Integrated Dietetic Internship (IDI) program or a Graduate practicum program and/or Masters with dietetic practicum programs in Canada) is identical to B.Sc. in HNU Major, Advanced Major or Honours degree patterns with the selection of HNU 225, 355(352), 356, 452, 456 and 485 as HNU electives.