Programs offered:
- Family Social Sciences
- Human Nutritional Sciences
- Health Sciences
- Health Studies

What is Human Ecology?
- Promoting holistic healthy living among individuals, communities and the world from a preventative approach.
- Mix of basic and applied sciences.
- Families, communities and culture and the impact of human health and well-being.
- Basic sciences (metabolic and applied nutrition, applied courses in food use and management).

Call (204) 474-8508 for more information on Human Ecology, or go to our web-site at http://www.umanitoba.ca/faculties/human_ecology

Program Questions?
Brigitte Wiebe, Student Affairs Coordinator
(204) 474-9298
Brigitte.Wiebe@umanitoba.ca

Alisa Claman, Academic Advisor
(204) 474-9759
Alisa.Claman@umanitoba.ca

We are available for program questions by phone, e-mail, or on an in-person first come, first serve drop in basis. Schedule for drop in times are available on the human ecology website under Student Services.

Check our website for transfer credit information.

Suggestions for Courses to take in High School

Family Social Sciences Major
- Any Math 40S is the pre-requisite for statistics which is a requirement for the program. The program has some psychology and sociology content. So you may want to consider these courses in high school if they are available.
- Students choose an area of focus – Aging & Developmental Health, Child & Youth Developmental Health, Family Economic Health, Family Violence, and Social Development. Details available on our website.

Human Nutritional Sciences Major
- University chemistry is a requirement, so take the pre-requisites, chemistry 40S and applied or pre-calculus math 40S.
- University anatomy (or biology) and physiology are required in this program. University biology will require Biology 40S, Math 40S, and Chemistry 40S or Physics 40S. If you plan on taking university biology instead of anatomy the above will apply to you. There are no prerequisites to take Anatomy however Biology 40S is recommended.
- You may complete your pre-professional work for programs such as Dietetic internships, Medicine, Law, Dentistry, or Medical Rehabilitation from the Human Nutritional Sciences degree.

Health Sciences Major
- University chemistry is a requirement, so take the pre-requisites, chemistry 40S and applied or pre-calculus math 40S.
- University anatomy, physiology & biology are required in this program. University biology will require Biology 40S, Math 40S, and Chemistry 40S or Physics 40S.
- You may complete your pre-professional work for programs such as Medicine, Law, Dentistry, or Medical Rehabilitation from the Health Sciences degree.

Health Studies Major
- Biology is required in this program; University biology will require Biology 40S, Math 40S, and Chemistry 40S or Physics 40S.
Sociology, psychology, and anthropology courses are requirements, so having a broad background in these topics will help.

Hints:
- All programs will benefit from strong communication skills, knowledge of computers, and the ability to write and speak clearly.
- All programs in Human Ecology require Statistics, which requires any Math 40S, so keep your math skills strong.
- High school Clothing & Textiles, Family Studies, and Foods and Nutrition courses are approved as entrance requirements to the University of Manitoba, so you might think about building your knowledge base in any of these areas.
- All programs require a knowledge base in other areas as well. Courses from the social sciences, humanities, applied sciences, and science areas of the University will be included. Some of these University courses require the completion of high school courses as prerequisites.

Direct Entry to Human Ecology
- Minimum of 60% in each course used for direct entry
- Must meet the general University requirements
  - Including Manitoba high school graduation
  - Minimum of 5 full credits at the Grade 12 level (S, U, G)
- Average of 85% or higher in final grades in 3 Grade 12 S or U courses, including
  1. One of English or French 40S;
  2. One of the following courses: Chemistry 40S, Biology 40S, or Math 40S;
  3. One of any other 40S course

Entrance Requirements to University 1
The general entrance requirements to the University of Manitoba (see the Undergraduate Calendar) or visit http://umanitoba.ca/u1/

General Admission into Human Ecology following University 1:
- A minimum grade point average of 2.0 (C) in at least 24 credit hours (8 courses) of University 1 or equivalent.
  This should include:
  - Six (6) credit hours from Arts, six (6) credit hours from Science.
  - The Faculty will select the top 80 applicants (90 in Nutrition) to each of the major areas of study according to adjusted grade point average.
  - September Admission - May 1
  - January Admission – November 1 (some programs)
  Note: Students planning to enter Human Ecology do not need to take a written requirement in University 1. The written requirement (HMEC 2000W) is completed once you are in Human Ecology.

Students wishing to take a focused approach in University 1 should take the following:

Family Social Sciences
- ECON 1010 or 1020 or 1210 or 1220 Economics
- SOC 1200 or PSYC 1200 Introduction to Sociology or Psychology
- STAT 1000 Statistics
- 3 credit hours science courses
- 6-12 hours of Family Social Sciences course work to be selected from the Family Social Sciences courses offered in University 1.
- 6-12 credit hours of free electives (your choice) for a total of 30 credit hours.

Human Nutritional Sciences
- CHEM 1300 Structure and Modeling in Chemistry
- CHEM 1320 or 1310 Introduction to Organic Chemistry/Physical Chemistry
- PSYC 1200 or SOC 1200 Introduction to Psychology or Sociology
- HNSC 1200 Food Facts and Fallacies
- HNSC 1210 Nutrition for Health and Changing Lifestyles
- BIOL 1410 OR 1020 & 1030 Anatomy or Biology
- BIOL 1412 Physiology
- 6 credit hours of free electives (your choice) for a total of 30 credit hours
Notes: Pre-Professional Preparation for Medicine, Law, Dentistry, and Medical Rehabilitation:

1. Take CHEM 1310 (University 1: Introduction to Physical Chemistry) instead of CHEM 1320.
2. Apply to the Faculty of Human Ecology to take HMEC 2000W (Research & Presentation) as one of your electives in University 1 as it is not normally available to students in University 1, if you are interested in the pre-med professional preparation.
3. Students have the choice of either Anatomy (BIOL 1410) or Biology (BIOL 1020 and 1030).

**Health Sciences**

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<th>Course</th>
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<tbody>
<tr>
<td>CHEM 1300</td>
<td>Structure and Modeling in Chemistry</td>
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<tr>
<td>CHEM 1310</td>
<td>Introduction to Physical Chemistry</td>
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<tr>
<td>PSYC 1200</td>
<td>Introduction to Psychology</td>
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<tr>
<td>BIOL 1410 &amp; 1412</td>
<td>Anatomy &amp; Physiology of the Human Body</td>
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<tr>
<td>BIOL 1020 &amp; 1030</td>
<td>Biology</td>
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<tr>
<td>STAT 1000</td>
<td>Basic Statistical Analysis 1</td>
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**Health Studies**

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<tr>
<td>SOC 1200</td>
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<tr>
<td>PSYC 1200</td>
<td>Introduction to Psychology</td>
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<tr>
<td>ANTH 1210</td>
<td>Human Origins and Antiquity</td>
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<td>ANTH 1220</td>
<td>Cultural Anthropology</td>
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<td>Biology</td>
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**Leaving University 1**

You must apply to transfer into the Faculty of Human Ecology by completing an application form and submitting it to Admissions Office (424 University Centre). The deadline to apply is May 1 of each year. You can get application forms online or the Admissions Office.

Please note:

- The programs in the Faculty of Human Ecology that will require High school Biology 40S for *BIOL 1020: Biology 1 Principles and Themes at the university level are:

  **Health Sciences**
  Health Studies

  If students do not take high school biology 40S, there is an option to take *BIOL 1000: Biology Foundations of Life at the University of Manitoba. This will be an acceptable pre-requisite to enter *BIOL 1020: Biology 1 Principles and Themes.

- If you are missing any high school Math or Science (Chemistry) course requirement, the university offers equivalent courses for upgrading and/or to meet university prerequisites. For example, Preparatory Chemistry CHEM 0900 or Math Skills through Extended Education.