

BSc NUTRITION AND FOOD SCIENCE

FACULTY OF AGRICULTURAL, LIFE & ENVIRONMENTAL SCIENCES

UPDATED FEBRUARY 2012

This Academic Planning Guide highlights major points only regarding admission and transfer. Students are advised to read the university and RDC calendars, and the Alberta Transfer Guide for other necessary information. Some courses listed may have prerequisites; refer to [Course Descriptions](#). Access this guide online: www.rdc.ab.ca/academic_advising.

The Faculty of Agricultural, Life and Environmental Sciences offers courses leading to the degree of BSc in Nutrition and Food Science with majors in **Nutrition**, **Nutrition and Food Science**, and **Food Science and Technology**. Students interested in either the Nutrition and Food major or the Nutrition major begin their program in the Nutrition and Food major. Those interested in transferring to the Nutrition major can do so if they meet its required academic standing and courses after one year of study. Students are strongly advised to read the UofA Calendar for detailed information concerning this program.

Students in either the Nutrition and Food major or the Nutrition major have the option of completing a **minor**. By completing a minor in Human Ecology, students can meet the educational requirements for registration as Professional Human Ecologists or Professional Home Economists; students can complete a minor in Physical Activity; or students in the Nutrition and Food major can complete a minor in Food Marketing or Food Policy. Students are advised to select minors by year two of their program to facilitate appropriate course selection.

MAJORS:

1. Students who choose the **Nutrition major** possess a solid foundation of nutrition principles built on basic and applied sciences that can be used directly to promote health and prevent disease. The major provides students the opportunity to apply for a Dietetic Internship in order to become a Registered Dietician. Students can either apply for the internship through the Coordinated Internship program, finishing their internship while completing their degree or apply for the National Dietetic Internship and complete the internship after completing their degree. Admission to the internship programs is competitive. The Nutrition Major with *6 in physics will provide the required courses for application to Medicine at UofA.
2. The **Nutrition and Food major** provides students with the nutrition training of a registered dietician as well as the knowledge of how foods are produced, packaged and distributed. Graduates have a working knowledge of the fundamentals of nutritional science coupled with basic knowledge in applied chemistry and microbiology as it pertains to food manufacturing, preservation, storage and distribution. This degree integrates course work in the biological, behavioral and applied sciences. Graduates of this major may find employment opportunities in a variety of public or private enterprises including health education, health industry or international aid. Careers can also be guided by the selection of a minor in Physical Activity, Human Ecology, Food Marketing or Food Policy, which can lead to careers in lifestyle management, the community-based human ecology sector or the agri-food-nutrition sector.
3. The **Food Science and Technology major** meets the guidelines of the Canadian Institute of Food Science and Technology (CIFST) and the Institute of Food Technologists (IFT) (34.12.1). Students apply chemistry, microbiology and engineering to the food systems and technological process used in food manufacturing, preservation, storage and distribution. Graduates of this major may enter the food industry as technical specialists or quality control managers. Opportunities also exist in government employment as inspectors, laboratory managers, and extension workers; in international development agencies; and in private laboratories providing consultative or technical service to the food industry and food marketing chains.

SUGGESTED COURSE PATTERN YEAR 1

NUTRITION MAJOR:

FALL	WINTER
ECON 201 (3)	ECON 202 (3)
BIOL 217 (3)	KNSS 244 (3) ¹
ENGL 219 (3)	ENGL 220 (3)
CHEM 211 (3)	CHEM 212 (3)
STAT 251 (3)	CHEM 351 (3)

NUTRITION AND FOOD MAJOR:

FOOD SCIENCE AND TECHNOLOGY MAJOR:

FALL	WINTER
ECON 201 (3)	ECON 202 (3)
ENGL 219 (3)	ENGL 220 (3)
CHEM 211 (3)	CHEM 212 (3)
BIOL 217 (3) ¹	KNSS 244 (3) ¹
MATHEMATICS CORE (3) ²	CORE REQUIREMENT or FREE ELECTIVE (3) ³

NOTES:

- Seats in KNSS 244 may be reserved for students enrolled in Kinesiology programs and therefore be unavailable to you in the online registration process; if so, contact an [academic advisor](#) stating your RDC student ID number. BIOL 217 and KNSS 244 may be taken in either term if the schedule allows.
- Food Science Majors:** MATH 202 (or 203) is preferred in year one but STAT 251 can be taken instead. Students with a 70% or higher in Math 31 are encouraged to take MATH 203 instead of MATH 202.
Nutrition and Food Majors: take STAT 251
The math course and the Core Requirement or Free Elective may be taken in either term. A free elective is a 3-credit course in any discipline that is transferable to UofA; use [Alberta Transfer Guide](#) to determine credit transferability
- Food Science Majors:** take CHEM 351, COMM 271 (or COMM 361), or a Free Elective. A free elective is a 3-credit course in any discipline that is transferable to UofA; use [Alberta Transfer Guide](#) to determine credit transferability.
Nutrition and Food Majors: take CHEM 351

ADMISSION AND TRANSFER INFORMATION

- To gain admission to the 34-38 seats in the **Nutrition Major**, applicants with a minimum of *24 (24 credits) and fewer than *53 transferable into the program must present the following:
 - BIOL 217, CHEM 211, 212, 351, and ENGL 219/220
 - STAT 251 and KNSS 244 are not required for admission but are recommended
 - Applicants must have a minimum GPA of 3.0 on the last *24 completed prior to application
 - Students who meet all the above are encouraged to apply to this major as their first choice.
 - Admission to the program will begin at 3.2 GPA and will go no lower than 3.0 *if space is available*.
 - Students in the Nutrition major cannot take a spring term course in the year of application.

Notes:

- Applicants with *54 or more, see [15.1.8](#) in UofA Calendar.
- The minimum GPA for Fall 2010 admission was 3.40.

2. Admission to the **NUTRITION AND FOOD MAJOR** or **FOOD SCIENCE AND TECHNOLOGY MAJOR**: Applicants who have completed *24 (24 credits) or more transferable to UofA will be considered for admission on the basis of their admission grade point average (AGPA) if they have an AGPA of at least 2.5. Applicants should note that possession of the minimum AGPA does not guarantee admission.
3. **Admission Grade Point Average (AGPA) Calculation** for the Nutrition and Food Major and the Food Science and Technology Major : UofA will use all grades obtained in the most recent terms containing at least *24, including both a failing/non-transferable grade and a transferable grade in the same course. Transfer applicants who have completed less than *24 transferable to UofA will be considered for admission on the basis of their high school matriculation average and their post-secondary course work.
4. **Spring Courses** for students in the Nutrition and Food major or Food Science and Technology major: a spring course may be taken in the year of transfer but students must request a document extension by email (question@ales.ualberta.ca). Students applying to the Nutrition major cannot take a spring course in their year of application. It is best to apply for early admission if taking a spring course. The grade earned in that term is included in your AGPA so you will not receive final admission status until July sometime.
5. **The first grade of C- or better** received in a course is the only grade accepted for that course. Therefore, repeating a course for a higher grade is not advisable. If a student truly believes that he/she needs to repeat a course (in which a transferable grade was earned) to master the material sufficiently to successfully continue in the program, it is recommended that the student audit the course. Where the applicant has more than one transferable grade for the same course at any institution, only the first transferable grade is used in calculating the grade point average(s) for admission purposes.
6. **Minimum Transfer Grade**: Transfer credit will be granted for each course transferable to UofA if the grade achieved is at least a C- and the course is applicable to the specific program to which the student has applied. However, while coursework with grades of D or F will not transfer, the grade remains on your transcript and will be used in the calculation of your AGPA.
7. **Residence Requirement**: A maximum of two years of transfer credit (*60) completed outside UofA will be granted toward an undergraduate degree in the Faculty of ALES.
8. **Required to Withdraw**: Applicants who have twice been required to withdraw from an academic year at any post-secondary institution or in program will not normally be considered for admission to the Faculty of Agricultural, Life and Environmental Sciences. Students who have been required to withdraw from any post-secondary institution should consult the UofA Calendar (15.1.8) and other sections of the UofA Calendar referring to academic standing.
9. **Double Majors**: Most Faculty of ALES programs offer majors, and some allow a double major. Students wishing to do a double major in two different programs must get permission from the Faculty of Agricultural, Life and Environmental Sciences. Contact the Faculty for more information.
10. **Application deadline**: May 1st **Transcript deadline for transfer students**: June 15th
11. **Regarding course transfer to UofA and Augustana Faculty**: When checking course transfer to the UofA, note that courses with *AU* as the first two letters of the course abbreviation in the Alberta Transfer Guide will transfer only to the UofA Augustana Faculty in Camrose. In order for a course to also transfer to other UofA faculties, there must be another entry indicating transfer as a course not beginning with *AU*. See example below.

CMPT 214 = UofA CMPUT 114 (3) OR AUCSC 1xx (3) CMPT 261 = UofA AUCSC 1xx (3)

CMPT 214 is transferable to all UofA faculties, including Augustana Faculty. CMPT 261 is accepted by Augustana Faculty only and will not transfer to other faculties at UofA in Edmonton.

ALL STUDENTS ARE STRONGLY ADVISED TO:

1. Consult [Course Descriptions](#) for any course pre-requisites,
2. Check [Alberta Transfer Guide](#) concerning course credit transfer to UofA, and
3. Consult the [University of Alberta Calendar](#) and [website](#) for admission and program information.

HOW TO FIND MORE INFORMATION

[Science Department](#)

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warren.elgersma@rdc.ab.ca
http://www.rdc.ab.ca/about_rdc/academic_departments/sciences

[Academic Advising](#)

Academic Advising Centre: Room 1102
advisors@rdc.ab.ca 403-342-3400
http://www.rdc.ab.ca/academic_advising

[RDC Website](#)

<http://www.rdc.ab.ca>

[RDC Timetable](#)

<http://www.rdc.ab.ca/timetable>

[Alberta Transfer Guide](#)

<http://www.acat.gov.ab.ca>

[Faculty of ALES, UofA](#)

1-800-804-6417
future.students@ales.ualberta.ca
<http://www.ales.ualberta.ca>

[University of Alberta](#)

<http://www.registrar.ualberta.ca>

PLEASE NOTE:

Be aware that you are responsible for ensuring that your registration is complete and appropriate and that your course choices comply with the program to which you have been admitted at Red Deer College and/or to the university to which you wish to transfer.

You are cautioned that any changes to your courses, your major or your transfer destination may adversely affect your transferable credit, admission requirements for future programs, or eligibility to graduate from Red Deer College. Please consult with an academic advisor if you have any questions.

The function of academic advisors is to provide students with information and resources that enable them to make informed decisions relevant to their education. These resources include the Red Deer College Calendar, the Academic Planning Guide for your chosen program and destination university, the Alberta Transfer Guide and the calendar and contact information for your destination university. Academic advisors will assist you in interpreting information from these resources or refer you to your destination university if appropriate. Students in university transfer programs are strongly advised to refer to the calendar of the university to which they wish to transfer and should contact appropriate university departments as required.