

## 2019-2020 Undergraduate Calendar

The information published in this Undergraduate Calendar outlines the rules, regulations, curricula, programs and fees for the 2019-2020 academic year, including the Summer Semester 2019, the Fall Semester 2019 and the Winter Semester 2020.

For your convenience the Undergraduate Calendar is available in PDF format.

If you wish to link to the Undergraduate Calendar please refer to the Linking Guidelines.

The University is a full member of:

- Universities Canada

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# Disclaimer

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## University of Guelph 2019

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The information published in this Undergraduate Calendar outlines the rules, regulations, curricula, programs and fees for the 2019-2020 academic year, including the Summer Semester 2019, the Fall Semester 2019 and the Winter Semester 2020.

The University reserves the right to change without notice any information contained in this calendar, including fees, any rule or regulation pertaining to the standards for admission to, the requirements for the continuation of study in, and the requirements for the granting of degrees or diplomas in any or all of its programs. The publication of information in this calendar does not bind the University to the provision of courses, programs, schedules of studies, or facilities as listed herein.

The University will not be liable for any interruption in, or cancellation of, any academic activities as set forth in this calendar and related information where such interruption is caused by fire, strike, lock-out, inability to procure materials or trades, restrictive laws or governmental regulations, actions taken by faculty, staff or students of the University or by others, civil unrest or disobedience, public health emergencies, or any other cause of any kind beyond the reasonable control of the University.

In the event of a discrepancy between a print version (downloaded) and the Web version, the Web version will apply.

Published by: Enrolment Services

# Introduction

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## Collection, Use and Disclosure of Personal Information

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Personal information is collected under the authority of the University of Guelph Act (1964), and in accordance with Ontario's Freedom of Information and Protection of Privacy Act (FIPPA) <http://www.e-laws.gov.on.ca/index.html>. This information is used by University officials in order to carry out their authorized academic and administrative responsibilities and also to establish a relationship for alumni and development purposes. Certain personal information is disclosed to external agencies, including the Ontario Universities Application Centre, the Ministry of Training, Colleges and Universities, and Statistics Canada, for statistical and planning purposes, and is disclosed to other individuals or organizations in accordance with the Office of Registrar Services Departmental Policy on the Release of Student Information. For details on the use and disclosure of this information call the Office of Registrar Services at the University at (519) 824-4120 or see <http://www.uoguelph.ca/registrar/registrar/index.cfm?index>.

## Disclosure of Personal Information to the Ontario Ministry of Training, Colleges and Universities

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The University of Guelph is required to disclose personal information such as characteristics and educational outcomes to the Minister of Training, Colleges and Universities under s. 15 of the Ministry of Training, Colleges and Universities Act, R.S.O. 1990, Chapter M.19, as amended. The Ministry collects this data for purposes including but not limited to planning, allocating and administering public funding to colleges, universities and other post-secondary educational and training institutions.

Amendments made to the Ministry of Training, Colleges and Universities Act, authorizing the collection and use of personal information from colleges and universities by the Minister which were set out in Schedule 5 of the Childcare Modernization Act, 2014, came into force on March 31, 2015.

The amendments strengthen the ability of the Minister to directly or indirectly collect and use personal information about students as required to conduct research and analysis, including longitudinal studies, and statistical activities conducted by or on behalf of the Ministry for purposes that relate to post-secondary education and training, including,

- i. understanding the transition of students from secondary school to post-secondary education and training,
- ii. understanding student participation and progress, mobility and learning and employment outcomes,
- iii. understanding linkages among universities, colleges, secondary schools and other educational and training institutions prescribed by regulation,
- iv. understanding trends in post-secondary education or training program choices made by students,
- v. understanding sources and patterns of student financial resources, including financial assistance and supports provided by government and post-secondary educational and training institutions,
- vi. planning to enhance the affordability and accessibility of post-secondary education and training and the quality and effectiveness of the post-secondary sector,
- vii. identifying conditions or barriers that inhibit student participation, progress, completion and transition to employment or future post-secondary educational or training opportunities, and
- viii. developing key performance indicators.

Information that the University is required to provide includes but is not limited to: first, middle and last name, Ontario Educational Number, citizenship, date of birth, gender, first three digits of a student's postal code, mother tongue, degree program and major(s) in which the student is enrolled, year of study and whether the student has transferred from another institution.

Further information on the collection and use of student-level enrolment-related data can be obtained from the Ministry of Training, Colleges and Universities website: <https://www.ontario.ca/page/ministry-advanced-education-and-skills-development> (English) or <https://www.ontario.ca/fr/page/ministere-de-lenseignement-superieur-et-de-la-formation-professionnelle> (French) or by writing to the Director, Postsecondary Finance and Information Management Branch, Postsecondary Education Division, 7th Floor, Mowat Block, 900 Bay Street, Toronto, ON M7A 1L2.

An update on Institutional and Ministry of Training, Colleges and Universities Act Notice of Disclosure Activities is posted at <https://www.ontario.ca/page/ministry-advanced-education-and-skills-development>

Frequently Asked Questions related to the Ministry's enrolment and OEN data activities are also posted at: <http://www.tcu.gov.on.ca/peps/publications/NoticeOfCollection.pdf>

### Authority to Disclose Personal Information to Statistics Canada

The Ministry of Training, Colleges and Universities discloses student-level enrolment-related data it collects from the colleges and universities as required by Statistics Canada in accordance with Section 13 of the Federal Statistics Act. This gives the Ministry authority to disclose personal information in accordance with s. 42(1) (e) of FIPPA

## Notification of Disclosure of Personal Information to Statistics Canada

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For further information, please see the Statistics Canada's web site at <http://www.statcan.ca> and Section XIV Statistics Canada.

## Address for University Communication

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Depending on the nature and timing of the communication, the University may use one of these addresses to communicate with students. Students are, therefore, responsible for checking all of the following on a regular basis:

### Email Address

The University issued email address is considered an official means of communication with the student and will be used for correspondence from the University. Students are responsible for monitoring their University-issued email account regularly. See Section I--Statement of Students' Academic Responsibilities for more information.

### Home Address

Students are responsible for maintaining a current mailing address with the University. Address changes can be made, in writing, through Enrolment Services.

## Name Changes

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The University of Guelph is committed to the integrity of its student records, therefore, each student is required to provide either on application for admission or on personal data forms required for registration, their complete, legal name. Any requests to change a name, by means of alteration, deletion, substitution or addition, must be accompanied by appropriate supporting documentation.

## Student Confidentiality and Release of Student Information Policy Excerpt

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The University undertakes to protect the privacy of each student and the confidentiality of their record. To this end the University shall refuse to disclose personal information to any person other than the individual to whom the information relates where disclosure would constitute an unjustified invasion of the personal privacy of that person or of any other individual. All members of the University community must respect the confidential nature of the student information which they acquire in the course of their work.

Complete policy at <https://uoguelph.civicweb.net/document/68892/ORSInfoReleasePolicy060610.pdf?handle=FF982F8A9AEA4076BE4F3D88147172B8>.

# Learning Outcomes

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On December 5, 2012, the University of Guelph Senate approved five University-wide Learning Outcomes as the basis from which to guide the development of undergraduate degree programs, specializations and courses:

1. Critical and Creative Thinking
2. Literacy
3. Global Understanding
4. Communicating
5. Professional and Ethical Behaviour

These learning outcomes are also intended to serve as a framework through which our educational expectations are clear to students and the broader public; and to inform the process of outcomes assessment through the quality assurance process (regular reviews) of programs and departments.

An on-line guide to the learning outcomes, links to the associated skills, and detailed rubrics designed to support the development and assessment of additional program and discipline-specific outcomes, are available for reference on the [Learning Outcomes website](#).

## 1. Critical and Creative Thinking

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Critical and creative thinking is a concept in which one applies logical principles, after much inquiry and analysis, to solve problems with a high degree of innovation, divergent thinking and risk taking. Those mastering this outcome show evidence of integrating knowledge and applying this knowledge across disciplinary boundaries. Depth and breadth of understanding of disciplines is essential to this outcome.

In addition, **Critical and Creative Thinking** includes, but is not limited to, the following outcomes: **Inquiry and Analysis; Problem Solving; Creativity; and Depth and Breadth of Understanding.**

## 2. Literacy

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Literacy is the ability to extract information from a variety of resources, assess the quality and validity of the material, and use it to discover new knowledge. The comfort in using quantitative literacy also exists in this definition, as does using technology effectively and developing visual literacy.

In addition, **Literacy** includes, but is not limited to, the following outcomes: **Information Literacy, Quantitative Literacy, Technological Literacy, and Visual Literacy.**

## 3. Global Understanding:

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Global understanding encompasses the knowledge of cultural similarities and differences, the context (historical, geographical, political and environmental) from which these arise, and how they are manifest in modern society. Global understanding is exercised as civic engagement, intercultural competence and the ability to understand an academic discipline outside of the domestic context.

In addition, **Global Understanding** includes, but is not limited to, the following outcomes: **Global Understanding, Sense of Historical Development, Civic Knowledge and Engagement, and Intercultural Competence.**

## 4. Communicating

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Communicating is the ability to interact effectively with a variety of individuals and groups, and convey information successfully in a variety of formats including oral and written communication. Communicating also comprises attentiveness and listening, as well as reading comprehension. It includes the ability to communicate and synthesize information, arguments, and analyses accurately and reliably.

In addition, **Communicating** includes, but is not limited to, the following outcomes: **Oral Communication, Written Communication, Reading Comprehension, and Integrative Communication.**

## 5. Professional and Ethical Behaviour

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Professional and ethical behaviour requires the ability to accomplish the tasks at hand with proficient skills in teamwork and leadership, while remembering ethical reasoning behind all decisions. The ability for organizational and time management skills is essential in bringing together all aspects of managing self and others. Academic integrity is central to mastery in this outcome.

In addition, **Professional and Ethical Behaviour** includes, but is not limited to, the following outcomes: **Teamwork, Ethical Reasoning, Leadership, and Personal Organization and Time Management**

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## Bachelor of Applied Science (B.A.Sc.)

### Program Information

The University of Guelph offers an 8 semester (20.00 credits) honours program leading to a Bachelor of Applied Science (B.A.Sc.) degree. Students must select one of the 3 following major areas of study:

Adult Development (ADEV)

Applied Human Nutrition (AHN)

Child, Youth and Family (CYF)

Co-operative Education is available in the following programs:

Adult Development (Co-op) (ADEV:C)

Child, Youth and Family (Co-op) (CYF:C)

Elective offerings enable students to select courses which support or complement their primary field of study.

The program is interdisciplinary and provides a distinctive and integrated focus of applied social science in each of the 3 majors. Courses from the traditional disciplines in other departments in the University are coupled with courses offered by faculty members in the Department of Family Relations and Applied Nutrition whose own backgrounds reflect the interdisciplinary nature of the program.

Laboratory, practicum and field experiences enhance the students' opportunities to grasp the contributions of the social, physical and biological sciences to significant facets of human behaviour and experience, whether in family, community, or in educational settings.

### Academic Counselling

#### Program Counselling

A B.A.Sc. program counsellor is available to assist prospective students in the selection of their major and initial courses, and to respond to questions regarding any other aspects of their anticipated program. The program counsellor will also assist in-course students who need information or advice about their program or other academic regulations, who seek information on services and resources available to students or who are contemplating transfer into or out of their current major or degree program.

#### Academic Advising

On entering the program all students are assigned to a departmental advisor by major. Co-operative Education students in all majors are also assigned to an advisor. This advisor is thoroughly familiar with the academic requirements of the program and is also knowledgeable about career opportunities which relate to a student's specific major. Students are strongly encouraged to attend all meetings called by their departmental advisors, and to set up individual meetings with them when they have questions or concerns about their major, or their performance in the program.

#### Continuation of Study

Students are advised to consult the regulations for Continuation of Study which are outlined in detail in Section VIII--Undergraduate Degree Regulations & Procedures.

#### Conditions for Graduation

To qualify for the degree Bachelor of Applied Science, the student must satisfy the following conditions:

- the student must have successfully completed the schedule of studies requirements for the specified major
- the student must have a cumulative average of 60% or higher
- the student must have a term academic standing of Eligible to Continue

#### Schedule of Studies

Courses specified in the Schedule of Studies are required courses and must be completed successfully. A full course load normally includes 2.50 credits (normally 5 courses). The requirements for each major are set out below.

#### Special Expenses

Expenses for field trips can range from \$20 to \$30 per semester in the first 4 semesters and from \$25 to \$50 in each of the last 4 semesters. In certain courses modest expenses will be incurred for supplies and where appropriate for laboratory costs. According to recent Ontario legislation, agencies licensed by the Ministry of Community and Social Services which care for, or provide service to, children or vulnerable adults are required to do criminal reference checks on all their employees. Students enrolled in practica or field placement courses may be required to submit to the agency with which they are placed, personal information about any criminal convictions and pending criminal charges. The cost of acquiring this criminal reference check (Canadian Police Information Check) will be the responsibility of each student.

#### Adult Development (ADEV)

**Department of Family Relations and Applied Nutrition, College of Social and Applied Human Sciences**

The Adult Development major focuses on health and well-being from young adulthood to old age within the context of changing family relationships and diverse social and cultural influences. Courses focus on current research and theory in adult development and aging, family relationships, human sexuality, social policy and community services. Field placements and community service learning opportunities enable students to gain knowledge, skills and values appropriate for work with individuals and groups in a variety of settings.

Graduates of this program are pursuing careers in a variety of settings including family and community service agencies; government policy-making, administration, and health promotion divisions; support services delivery for seniors and their families; health care agencies; employee and family assistance programs; and local social planning councils. This program provides a solid foundation for the pursuit of graduate studies in fields such as: family relations and human development, social work, human sexuality, gerontology, physical, occupational and recreation therapy programs, family law and mediation, couple and family therapy, education, health promotion, social policy and human resource management (business).

This interdisciplinary program is designed to provide students with an understanding of the influence of psychological, social, biological and economic factors on individual development, capabilities, health and relationships across the lifespan. It is one of several majors in the Department that share an over-arching goal of applying knowledge to promote individual and family well-being. This major offers a high degree of flexibility for students, who may choose to deepen their studies in one or more of the core content areas in the major (adulthood and aging, family and social relationships, human sexuality, or health and well-being) and/or to choose electives in a related or complementary field.

#### Program Requirements

All students in the Adult Development major must successfully complete a minimum of 20.00 credits, including the core of 10.50 required credits as outlined in the Schedule of Studies.

Some students may wish to select courses that provide a broad background appropriate for careers in teaching, social work, health promotion, couple and family relationships, physical, occupational and recreation therapy, nursing, business, public service management or other areas of work. Students interested in pursuing graduate education are encouraged to complete an undergraduate thesis in their senior year and to participate in faculty research projects.

In addition to the core requirements and options, there are courses in various departments throughout the University which may be taken as electives. Lists of suggested electives that relate to particular careers or areas of interest and requirements for admission to various graduate programs, including Faculties of Education, are available from the B.A.Sc. Program Counsellor.

Students must meet the continuation of study requirements at the time of graduation and have a minimum 60.00% cumulative average.

Students may take one minor in addition to the Adult Development major. See the University of Guelph Calendar, Section X, Degree Programs, Specialization and Their Degrees for list of minors : <http://www.uoguelph.ca/registrar/calendars/undergraduate/current/c10/index.shtml>. The 60.00% requirement applies to each major and minor.

#### Double Counting of Courses

A maximum of 50 percent of the courses applied to a minor may be courses taken in fulfillment of the major where required courses are the same.

#### Counselling on Minors

The B.A.Sc. program counsellor assists students in the selection of minors, interpreting program and academic regulations.

Academic departments offer the minors and assign faculty advisors to assist students with academic planning (e.g., a faculty advisor in the Psychology department handles queries about a minor in Psychology). Students should consult the appropriate faculty advisor, along with the B.A.Sc. Program Counsellor, when declaring a minor or requiring advice on the completion of specialization requirements. The list of faculty advisors is available on the Undergraduate Academic Information Centre website: <https://www.uoguelph.ca/uai/facultyadvisors> or contact the B.A.Sc. Program Counsellor for further information.

#### Major

##### Semester 1

FRHD*1100	[0.50]	Life: Health and Well-Being
NUTR*1010	[0.50]	Introduction to Nutrition
PSYC*1000	[0.50]	Introduction to Psychology

One of:

ANTH*1150	[0.50]	Introduction to Anthropology
SOC*1100	[0.50]	Sociology

0.50 electives

##### Semester 2

FRHD*1010	[0.50]	Human Development
FRHD*1020	[0.50]	Couple and Family Relationships

One of:

BIOM*2000	[0.50]	Concepts in Human Physiology
MBG*1000	[0.50]	Genetics and Society

1.00 electives

**Semester 3**

FRHD*2060	[0.50]	Adult Development and Aging
FRHD*2100	[0.50]	Development of Human Sexuality
STAT*2080	[0.50]	Introductory Applied Statistics I

1.00 electives

**Semester 4**

FRHD*2400	[0.50]	Introduction to Human Services
FRHD*3150	[0.50]	Strategies for Behaviour Change
STAT*2090	[0.50]	Introductory Applied Statistics II

1.00 electives

**Semester 5**

FRHD*3070	[0.50]	Research Methods: Family Studies
FRHD*3400	[0.50]	Communication and Counselling Skills

1.50 electives

**Semester 6**

FRHD*3040	[0.50]	Parenting and Intergenerational Relationships
FRHD*3290	[1.00]	Practicum I: Adult Development

1.00 electives

**Note:** FRHD\*3290 may be taken in Semester 5 or Semester 6**Semester 7**

FRHD*4310	[0.50]	Professional Issues *
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2.00 electives

**Semester 8**

FRHD*4250	[0.50]	Aging and Health
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One of:

FRHD*4260	[0.50]	Social Policy and Gerontology
FRHD*4320	[0.50]	Social Policies for Children, Youth and Families

1.50 electives

**Electives - Recommended and Program Options**

Students planning to pursue graduate studies are encouraged to take FRHD\*4810 and FRHD\*4910 (undergraduate thesis courses). Students entering into human services after graduation are encouraged to take FRHD\*4290 (4th year practicum course). Students who intend to pursue studies or careers in the following areas, Adult Development and Aging, Family and Social Relations, Human Sexuality and Health or Research may wish to include electives from the following list:

**Adult Development and Aging Interest**

FRHD*3060	[0.50]	Principles of Social Gerontology
FRHD*4190	[0.50]	Assessment in Gerontology
FRHD*4290	[1.00]	Practicum II: Adult Development
NUTR*3150	[0.50]	Aging and Nutrition

**Family and Social Relations Interest**

FRHD*3090	[0.50]	Poverty and Health
FRHD*4020	[0.50]	Family Theory
FRHD*4290	[1.00]	Practicum II: Adult Development

**Human Sexuality and Health Interest**

FRHD*4200	[0.50]	Issues in Human Sexuality
FRHD*4290	[1.00]	Practicum II: Adult Development

**Research Interest**

FRHD*4810	[0.50]	Thesis I
FRHD*4910	[1.00]	Thesis II

**Graduate and Professional Studies**

Students have successfully used the B.A.Sc. degree to gain admission into graduate programs in human development/family science, couple and family therapy, social work, education, applied psychology, sociology, anthropology, occupational therapy, physiotherapy, speech and language, and social policy. If you plan to enter a graduate program after completing the Adult Development major of the B.A.Sc. degree program you will need to select certain courses as part of your undergraduate program to meet graduate program admission requirements. Sometimes these requirements are quite particular which means that you must plan your course selections early and carefully.

Although graduate programs differ in their entrance requirements, most graduate programs require that you have taken (at least): one course in research methods; two undergraduate statistics courses; and have completed an undergraduate thesis.

For many of the programs you will be required to take Graduate Record Exams (GREs) in the specific field of study. **You are strongly advised to contact the graduate programs that interest you early in your program to determine the specific entrance requirements of each program.**

**\* Exchange/Study Abroad Opportunities**

Students interested in study abroad experience could consider this in either Semester 5 or 7. If it is in Semester 5, then students could defer FRHD\*3400 to Winter Semester 6 with the Practicum FRHD\*3290 (with permission). If the study abroad experience is preferred in Semester 7, the Professional Issues course (FRHD\*4310) could be taken in Semester 5 (with permission).

**Adult Development (Co-op) (ADEV:C)****Department of Family Relations and Applied Nutrition, College of Social and Applied Human Sciences**

The Adult Development Co-op major focuses on health and well-being from young adulthood to old age within the context of changing family relationships and diverse social and cultural influences. Courses focus on current research and theory in adult development and aging, family relationships, human sexuality, social policy and community services. Work placements and community service learning opportunities enable students to gain knowledge, skills and values appropriate for work with individuals and groups in a variety of settings.

Graduates of this program are pursuing careers in a variety of settings including family and community service agencies; government policy-making, administration, and health promotion divisions; support services delivery for seniors and their families; health care agencies; employee and family assistance programs; and local social planning councils. This program provides a solid foundation for the pursuit of graduate studies in fields such as: family relations and human development, social work, human sexuality, gerontology, physical, occupational and recreation therapy programs, family law and mediation, couple and family therapy, education, health promotion, social policy and human resource management (business).

This interdisciplinary program is designed to provide students with an understanding of the influence of psychological, social, biological and economic factors on individual development, capabilities, health and relationships across the lifespan. It is one of several majors in the Department that share an over-arching goal of applying knowledge to promote individual and family well-being. This major offers a high degree of flexibility for students, who may choose to deepen their studies in one or more of the core content areas in the major (adulthood and aging, family and social relationships, human sexuality, or health and well-being) and/or to choose electives in a related or complementary field.

**Program Requirements**

The Co-op program in Adult Development is a four year program, including three work terms. Students must complete a Fall, Winter and Summer work term, and must follow the academic work schedule as outlined below (also found on the Co-operative Education website: <https://www.recruitguelph.ca/cecs/>). Please refer to the Co-operative Education program policy with respect to adjusting this schedule.

**Adult Development Academic and Co-op Work Term Schedule**

Year	Fall	Winter	Summer
1	Academic Semester 1	Academic Semester 2	Off
2	Academic Semester 3 COOP*1100	Academic Semester 4	COOP*1000 Work Term I
3	COOP*2000 Work Term II	Academic Semester 5	Academic Semester 6
4	Academic Semester 7	COOP*3000 Work Term III	Academic Semester 8

To be eligible to continue in the Co-op program, students must meet a minimum 70% cumulative average requirement after second semester, as well as meet all work term requirements. Please refer to the Co-operative Education program policy with respect to work term performance grading, work term report grading and program completion requirements.

**Credit Summary (21.50 Total Credits)**

10.50 - Required Core Courses

9.50 - Electives

1.50 - Co-op Work Terms

**Note:** Three Co-op work terms including a Summer, Fall, and Winter are necessary to complete the Co-op requirement.

The recommended program sequence is outlined below.

**Major****Semester 1 - Fall**

FRHD*1100	[0.50]	Life: Health and Well-Being
NUTR*1010	[0.50]	Introduction to Nutrition
PSYC*1000	[0.50]	Introduction to Psychology

One of:

ANTH*1150	[0.50]	Introduction to Anthropology
SOC*1100	[0.50]	Sociology

0.50 electives

**Semester 2 - Winter**

FRHD*1010	[0.50]	Human Development
FRHD*1020	[0.50]	Couple and Family Relationships

One of:

BIOM*2000	[0.50]	Concepts in Human Physiology
MBG*1000	[0.50]	Genetics and Society

1.00 electives

**Semester 3 - Fall**

COOP*1100	[0.00]	Introduction to Co-operative Education
FRHD*2100	[0.50]	Development of Human Sexuality
FRHD*2060	[0.50]	Adult Development and Aging
FRHD*3070	[0.50]	Research Methods: Family Studies
FRHD*3400	[0.50]	Communication and Counselling Skills
STAT*2080	[0.50]	Introductory Applied Statistics I

**Semester 4 - Winter**

FRHD*3150	[0.50]	Strategies for Behaviour Change
FRHD*2400	[0.50]	Introduction to Human Services
STAT*2090	[0.50]	Introductory Applied Statistics II

1.00 electives

**Summer Semester**

COOP*1000	[0.50]	Co-op Work Term I
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**Fall Semester**

COOP*2000	[0.50]	Co-op Work Term II
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**Semester 5 - Winter**

FRHD*3040	[0.50]	Parenting and Intergenerational Relationships
FRHD*3290	[1.00]	Practicum I: Adult Development
FRHD*4250	[0.50]	Aging and Health

One of:

FRHD*4260	[0.50]	Social Policy and Gerontology
FRHD*4320	[0.50]	Social Policies for Children, Youth and Families

**Semester 6 - Summer**

2.50 electives

**Semester 7 - Fall**

FRHD*4310	[0.50]	Professional Issues
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2.00 electives

**Winter Semester**

COOP*3000	[0.50]	Co-op Work Term III
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**Semester 8 - Summer**

2.50 electives

**Electives that Complement the Major**

Students planning to pursue graduate studies are encouraged to take FRHD\*4810 and FRHD\*4910 (undergraduate thesis courses). Students entering into human services after graduation are encouraged to take FRHD\*4290 (4th year practicum course). Students who intend to pursue studies or careers in the following areas, Adult Development and Aging, Family and Social Relations, Human Sexuality and Health or Research may wish to include electives from the following lists:

FRHD*3060	[0.50]	Principles of Social Gerontology
FRHD*4190	[0.50]	Assessment in Gerontology
FRHD*4290	[1.00]	Practicum II: Adult Development
FRHD*4020	[0.50]	Family Theory
FRHD*4810	[0.50]	Thesis I
FRHD*4910	[1.00]	Thesis II
NUTR*3150	[0.50]	Aging and Nutrition

**Graduate and Professional Studies**

Students have successfully used the B.A.Sc. degree to gain admission into graduate programs in human development/family science, couple and family therapy, social work, education, applied psychology, sociology, anthropology, physical, occupational and recreation therapy, speech and language, and social policy. If you plan to enter a graduate program after completing the Adult Development Co-op major of the B.A.Sc. degree program you will need to select certain courses as part of your undergraduate program to meet graduate program admission requirements. Sometimes these requirements are quite particular which means that you must plan your course selections early and carefully.

Although graduate programs differ in their entrance requirements, most graduate programs require that you have taken (at least): one course in research methods; two undergraduate statistics courses; and have completed an undergraduate thesis.

For many of the programs you will be required to take Graduate Record Exams (GREs) in the specific field of study. **You are strongly advised to contact the graduate programs that interest you early in your program to determine the specific entrance requirements of each program.**

**Applied Human Nutrition (AHN)**

**Department of Family Relations and Applied Nutrition, College of Social and Applied Human Sciences**

The Applied Human Nutrition major recognizes both the biological and the social facets of human nutrition. It focuses on nutrition from a preventive, maintenance and therapeutic perspective, all of which require a thorough understanding of the related biological sciences and of selected aspects of the behavioral sciences. Students learn about nutrition and its application to the maintenance of health and the prevention and treatment of disease. They also learn about individual and social behaviour, particularly in family settings, and the implications of behavioral factors in the establishment of good nutrition status from conception through to old age. Through the effective use of elective courses, the core requirements in the Major can be supplemented to create a program of study which will prepare graduates for a variety of health and education careers in the government or private sectors, or with the food industry. Others may proceed to graduate study in fields such as nutrition, public health nutrition, medicine or education.

An Area of Emphasis in Dietetics is also offered for those interested in becoming Registered Dietitians. Successful completion of the additional required and restricted elective courses will allow students to compete for a limited number of dietetic internship positions after graduation. Graduates who complete dietetic internships are eligible to write national registration examination and become Registered Dietitians, a regulated health profession. The Area of Emphasis in this dietetic education program is accredited under the Partnership for Dietetic Education and Practice (PDEP) and prepares students for eligibility for registration with a provincial dietetics regulatory body. Most graduates completing dietetic internships are employed in hospitals and other health care agencies such as community health centres and long-term care facilities where the credential of Registered Dietitian is required for practice. Some Registered Dietitians also find employment in a wide range of careers in health and education, and in the private sector. Still others proceed to graduate study in fields such as nutrition, public health nutrition, medicine or education.

**Program Requirements**

Students in the Applied Human Nutrition Major must include the core of 13.50 required credits in the minimum of 20.00 credits. Students in the Area of Emphasis in Dietetics take an additional 2.00 required credits plus 1.50 restricted electives for 17.00 required credits in the minimum 20.00 credits. Discussion with a departmental advisor regarding the various choices possible from within the Major is strongly recommended. Students will normally register for courses according to the semesters indicated below for Fall and Winter sequencing.

Students taking the Area of Emphasis in Dietetics are strongly encouraged to seek help from departmental advisors to ensure they have selected all the required courses to be eligible to apply for internships.

**Minors**

Students may take one minor in addition to the Applied Human Nutrition Major. See the University of Guelph Calendar, Section X, Degree Programs, Specialization and Their Degrees for list of minors: <https://www.uoguelph.ca/registrar/calendars/undergraduate/current/c10/index.shtml>

**Counselling on Minors**

The B.A.Sc. program counsellor assists students in the selection of minors, interpreting program and academic regulations. Academic departments offer the minors and assign faculty advisors to assist students with academic planning (e.g., a faculty advisor in the Psychology department handles queries about a minor in Psychology). Students should consult the appropriate faculty advisor, along with the B.A.Sc. Program Counsellor, when declaring a minor or requiring advice on the completion of specialization requirements. The list of faculty advisors is available on the Undergraduate Academic Information Centre website: <https://www.uoguelph.ca/uaic/facultyadvisors> or contact the B.A.Sc. Program Counsellor for further information.

**Double Counting of Courses**

A maximum of 50 percent of the courses applied to a minor may be courses taken in fulfillment of the major where required courses are the same.

**Major****Semester 1**

CHEM*1040	[0.50]	General Chemistry I
FRHD*1100	[0.50]	Life: Health and Well-Being
PSYC*1000	[0.50]	Introduction to Psychology

One of:

HTM*2700	[0.50]	Understanding Foods
NUTR*1010	[0.50]	Introduction to Nutrition

0.50 electives

**Note:** HTM\*2700 is recommended for Semester 1 if capacity allows, but may also be taken in Semester 2 by choosing NUTR\*1010 in Semester 1

**Semester 2**

CHEM*1050	[0.50]	General Chemistry II
NUTR*1020	[0.50]	Professional Practice in Applied Nutrition

One of:

HTM*2700	[0.50]	Understanding Foods
NUTR*1010	[0.50]	Introduction to Nutrition

One of:



FRHD*1020	[0.50]	Couple and Family Relationships
SOC*1100	[0.50]	Sociology

0.50 electives

\*See note in Semester 1

**Semester 3**

BIOC*2580	[0.50]	Introduction to Biochemistry
HTM*2030	[0.50]	Control Systems in the Hospitality Industry
NUTR*2050	[0.50]	Nutrition Through the Life Cycle
STAT*2080	[0.50]	Introductory Applied Statistics I

0.50 electives

Note: HTM\*2030 may be taken in Semester 4.

**Note:** Students completing an Area of Emphasis in Dietetics must take one of:

CIS*1200	[0.50]	Introduction to Computing
MCS*2020	[0.50]	Information Management

**Semester 4**

BIOM*3200	[1.00]	Biomedical Physiology
HROB*2090	[0.50]	Individuals and Groups in Organizations
MICR*2420	[0.50]	Introduction to Microbiology
STAT*2090	[0.50]	Introductory Applied Statistics II

**Semester 5**

FRHD*3070	[0.50]	Research Methods: Family Studies
NUTR*3210	[0.50]	Fundamentals of Nutrition

1.50 electives or restricted electives

**Note:** Students completing an Area of Emphasis in Dietetics must take HTM\*3090.

HTM\*3090 is recommended in Semester 5 in place of elective or restricted elective if capacity allows, but it may also be taken in Semester 6. If taken in Semester 6 take FRHD\*3400 and HROB\*2290 in Semester 5.

**Semester 6**

FRHD*3400	[0.50]	Communication and Counselling Skills
HROB*2290	[0.50]	Human Resources Management
NUTR*3070	[0.50]	Nutrition and Physical Activity Interventions
NUTR*3090	[1.00]	Clinical Nutrition I

**Semester 7**

NUTR*4010	[0.50]	Nutritional Assessment
NUTR*4070	[0.50]	Nutrition Education

1.50 electives or restricted electives

**Note:** Students completing an Area of Emphasis in Dietetics must take NUTR\*4040.**Semester 8**

NUTR*4900	[0.50]	Selected Topics in Human Nutrition
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2.00 electives or restricted electives

Note: With approval from the instructor, students may substitute NUTR\*4810 and NUTR\*4910 for NUTR\*4900.

**Area of Emphasis in Dietetics Additional Courses Required**

Additional Courses Required (2.00 credits)

HTM*3090	[1.00]	Restaurant Operations Management
NUTR*4040	[0.50]	Clinical Nutrition II

One of:

CIS*1200	[0.50]	Introduction to Computing
MCS*2020	[0.50]	Information Management

**Restricted Electives**

Students must take 1.50 restricted electives, including one 3000 level course, from the following list:

FOOD*2010	[0.50]	Principles of Food Science
FOOD*3430	[0.50]	Introduction to Food Analysis
FOOD*3700	[0.50]	Sensory Evaluation of Foods
HTM*2740	[0.50]	Cultural Aspects of Food
HTM*3780	[0.50]	Managing Food in Canada
NUTR*3110	[0.50]	Food Security
NUTR*3150	[0.50]	Aging and Nutrition

One of

FOOD*2400	[0.50]	Introduction to Food Chemistry
FOOD*3030	[0.50]	Food Chemistry I
FOOD*3050	[0.50]	Food Chemistry I

One of

FOOD*2410	[0.50]	Introduction to Food Processing
FOOD*3160	[0.75]	Food Processing I

One of

FOOD*2420	[0.50]	Introduction to Food Microbiology
FOOD*3230	[0.75]	Food Microbiology
FOOD*3240	[0.50]	Food Microbiology

**Note:** Some of the restricted electives require prerequisites that are not included in the major.**Child, Youth and Family (CYF)****Department of Family Relations and Applied Nutrition, College of Social and Applied Human Sciences**

The Child, Youth and Family major, administered by the Department of Family Relations and Applied Nutrition, examines the psychological, social and physical conditions which influence the growth and development of children and adolescents. While the primary focus of the major is on children and youth, the program regards the family as a primary context of development and as the key to successful interventions for children with developmental, behavioural, or socio-emotional difficulties. Through the effective use of elective courses, the core requirements in the major can be supplemented to create a program of study which will prepare graduates for a variety of careers in child and youth services. Graduates are pursuing child and youth-related careers in a variety of settings including child and youth treatment facilities, elementary schools, paediatric wards in hospitals, family and community service agencies, and child care centres. Students interested in working with children ten years of age and younger may apply for membership in the College of Early Childhood Educators; see further details on required courses below. Further academic preparation may be required for certain careers. Many graduates go on to pursue graduate education in fields such as family studies, human development, psychology, counselling psychology, social work, speech pathology, and occupational therapy.

**Articulation Agreements**

The University of Guelph is a partner in several Articulation Agreements concerning the Child, Youth and Family major. Students who enter the B.A.Sc. Child, Youth and Family major with advanced standing through an articulation agreement should identify themselves to the B.A.Sc. Program Counsellor for specific guidance around their Schedule of Studies (see Section IV of this calendar).

Students in the Child, Youth and Family major who are interested in proceeding to teachers college should refer to Section IV--Admissions Information, Articulation Agreements for information about admission to the Bachelor of Education program at Nipissing University.

**Program Requirements**

All students in the Child, Youth and Family major must include the following core of 11.50 required credits and 0.50 restricted electives to a minimum of 20.00 credits. Students are encouraged to plan their use of electives carefully in order to focus their program on one or a combination of the career options open to graduates. Discussion with a faculty advisor regarding the various choices possible from within the major is strongly recommended. Students will normally register for courses according to the semesters indicated below for Fall and Winter sequencing. Students who register for Summer semesters and other students for whom the semester offerings present difficulty may, where they have the approval of their faculty advisor, take some courses in alternative semesters.

**Minors**

Students may take one minor in addition to the Child, Youth and Family major. See the University of Guelph Calendar, Section X, Degree Programs, Specialization and Their Degrees for list of minors : <http://www.uoguelph.ca/registrar/calendars/undergraduate/current/c10/index.shtml>. The 60.00% requirement applies to each major and minor.

**Double Counting of Courses**

A maximum of 50 percent of the courses applied to a minor may be courses taken in fulfillment of the major where required courses are the same.

**Counselling on Minors**

The B.A.Sc. program counsellor assists students in the selection of minors, interpreting program and academic regulations.

Academic departments offer the minors and assign faculty advisors to assist students with academic planning (e.g., a faculty advisor in the Psychology department handles queries about a minor in Psychology). Students should consult the appropriate faculty advisor, along with the B.A.Sc. Program Counsellor, when declaring a minor or requiring advice on the completion of specialization requirements. The list of faculty advisors is available on the Undergraduate Academic Information Centre website: <https://www.uoguelph.ca/uai/facultyadvisors> or contact the B.A.Sc. Program Counsellor for further information.

**Major****Semester 1**

FRHD*1100	[0.50]	Life: Health and Well-Being
NUTR*1010	[0.50]	Introduction to Nutrition
PSYC*1000	[0.50]	Introduction to Psychology

One of:

ANTH*1150	[0.50]	Introduction to Anthropology
SOC*1100	[0.50]	Sociology

0.50 electives

**Semester 2**

BIOM*2000	[0.50]	Concepts in Human Physiology
FRHD*1020	[0.50]	Couple and Family Relationships
MBG*1000	[0.50]	Genetics and Society

One of:

FRHD*2260	[0.50]	Infant Development
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FRHD*2280	[0.50]	Adolescent Development
0.50 electives		
<b>Semester 3</b>		
FRHD*2100	[0.50]	Development of Human Sexuality
FRHD*2110	[0.50]	Children and Youth with Exceptionalities
STAT*2080	[0.50]	Introductory Applied Statistics I
One of:		
FRHD*2060	[0.50]	Adult Development and Aging
FRHD*2270	[0.50]	Development in Early and Middle Childhood

0.50 electives

**Semester 4**

FRHD*3150	[0.50]	Strategies for Behaviour Change
STAT*2090	[0.50]	Introductory Applied Statistics II
One of:		
FRHD*2040	[0.50]	Principles of Program Design for Children
FRHD*2400	[0.50]	Introduction to Human Services

1.00 electives

**Semester 5**

FRHD*3070	[0.50]	Research Methods: Family Studies
FRHD*3180	[0.50]	Observation and Assessment Laboratory
FRHD*3400	[0.50]	Communication and Counselling Skills

One of:

FRHD*3200	[1.00]	Practicum I: Child
FRHD*3250	[1.00]	Practicum I: Youth

**Note:** FRHD\*3200 and FRHD\*3250 may be taken in Semester 6**Semester 6**

FRHD*3040	[0.50]	Parenting and Intergenerational Relationships
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2.00 electives

**Semester 7**

FRHD*4310	[0.50]	Professional Issues
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2.00 electives or restricted electives

**Semester 8**

FRHD*4320	[0.50]	Social Policies for Children, Youth and Families
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2.00 electives or restricted electives

**Restricted Electives**

In addition to the 11.50 required credits, 0.50 must be taken from the Department of Family Relations and Applied Nutrition at the 4000 level. (excluding FRHD\*4330, FRHD\*4340 or FRHD\*4350).

**Electives - Recommended and Program Options****Child and Youth Services**

It is highly recommended that students planning to work in child and youth services complete the following Youth stream courses:

FRHD*2270	[0.50]	Development in Early and Middle Childhood
FRHD*2280	[0.50]	Adolescent Development
FRHD*3250	[1.00]	Practicum I: Youth
FRHD*4340	[1.00]	Practicum II: Youth
FRHD*4400	[0.50]	Youth, Risk and Resilience

Students who intend to pursue a career in child and youth services may wish to choose electives from the following list:

EDRD*3120	[0.50]	Educational Communication
FRHD*3090	[0.50]	Poverty and Health
FRHD*3190	[0.50]	Administration of Programs for Children
FRHD*4020	[0.50]	Family Theory
FRHD*4200	[0.50]	Issues in Human Sexuality
FRHD*4810	[0.50]	Thesis I
FRHD*4910	[1.00]	Thesis II
NUTR*2050	[0.50]	Nutrition Through the Life Cycle
PSYC*3450	[0.50]	Social and Personality Development
PSYC*3850	[0.50]	Intellectual Disabilities
SOAN*2290	[0.50]	Identities and Cultural Diversity
SOC*1500	[0.50]	Crime and Criminal Justice
SOC*3040	[0.50]	Sociology of Social Welfare

**Early Childhood Education**

Students planning to apply for membership in the College of Early Childhood Educators (CECE) need to complete the following Child stream courses:

FRHD*2040	[0.50]	Principles of Program Design for Children
FRHD*2260	[0.50]	Infant Development
FRHD*2270	[0.50]	Development in Early and Middle Childhood
FRHD*3190	[0.50]	Administration of Programs for Children
FRHD*3200	[1.00]	Practicum I: Child
FRHD*4210	[0.50]	Senior Seminar in Early Education and Care
FRHD*4330	[1.00]	Practicum II: Child
FRHD*4350	[1.00]	Practicum III: Child

Students who intend to pursue a career in early childhood education may wish to choose electives from the following list:

ENGL*2740	[0.50]	Children's Literature
FRHD*3090	[0.50]	Poverty and Health
FRHD*4810	[0.50]	Thesis I
FRHD*4910	[1.00]	Thesis II
NUTR*2050	[0.50]	Nutrition Through the Life Cycle
PSYC*3850	[0.50]	Intellectual Disabilities
SOAN*2290	[0.50]	Identities and Cultural Diversity

**Education - Primary / Junior / Intermediate**

Graduates interested in elementary school teaching need additional study at a Faculty of Education. For those who wish to teach primary (junior kindergarten to grade 3) or junior (grades 4 to 6), each faculty of education may have certain required courses for admission. Often recommended are courses in visual or performing arts, mathematics, languages, physical or natural sciences, history or geography. Students interested in intermediate (grades 7 to 10) level teaching need to acquire a teachable subject in a specific discipline. Normally, this requirement consists of six semester courses in an area of concentration. **Students are strongly advised to contact the Faculties of Education that interest them early in their programs to determine the specific requirements.**

**Graduate and Professional Studies**

Students have successfully used the B.A.Sc. degree to gain admission into graduate programs in social work, applied psychology, sociology, anthropology, occupational therapy, speech and language, and social policy. If you plan to enter a graduate program after completing the Child, Youth and Family major of the B.A.Sc. degree program you will need to select certain courses as part of your undergraduate program to meet graduate program admission requirements. Sometimes these requirements are quite particular which means that you must plan your course selections early and carefully. In our program you would include FRHD\*4810 and FRHD\*4910.

Although graduate programs differ in their entrance requirements, most graduate programs require that you have taken (at least): one course in research methods; two undergraduate statistics courses; and have completed an undergraduate thesis.

For many of the programs you will be required to take Graduate Record Exams (GREs) in the specific field of study. **You are strongly advised to contact the graduate programs that interest you early in your program to determine the specific entrance requirements of each program.**

**Child, Youth and Family (Co-op) (CYF:C)****Department of Family Relations and Applied Nutrition, College of Social and Applied Human Sciences**

The Child, Youth and Family major, administered by the Department of Family Relations and Applied Nutrition, examines the psychological, social and physical conditions which influence the growth and development of children and adolescents. While the primary focus of the major is on children and youth, the program regards the family as a primary context of development and as the key to successful interventions for children with developmental, behavioural, or socio-emotional difficulties. Through the effective use of elective courses, the core requirements in the major can be supplemented to create a program of study which will prepare graduates for a variety of careers in child and youth services. Graduates are pursuing child and youth-related careers in a variety of settings including child and youth treatment facilities, elementary schools, paediatric wards in hospitals, family and community service agencies, and child care centres. Students interested in working with children ten years of age and younger may apply for membership in the College of Early Childhood Educators; see further details on required courses below. Further academic preparation may be required for certain careers. Many graduates go on to pursue graduate education in fields such as family studies, human development, psychology, counselling psychology, social work, speech pathology, and occupational therapy.

**Program Requirements**

The Co-op program in Adult Development is a four year program, including three work terms. Students must complete a Fall, Winter and Summer work term, and must follow the academic work schedule as outlined below (also found on the Co-operative Education website: <https://www.recruitguelph.ca/cecs/>). Please refer to the Co-operative Education program policy with respect to adjusting this schedule.

**Child, Youth and Family Academic and Co-op Work Term Schedule**

Year	Fall	Winter	Summer
1	Academic Semester 1	Academic Semester 2	Off
2	Academic Semester 3 COOP*1100	Academic Semester 4	COOP*1000 Work Term I
3	COOP*2000 Work Term II	Academic Semester 5	Academic Semester 6
4	Academic Semester 7	COOP*3000 Work Term III	Academic Semester 8

To be eligible to continue in the Co-op program, students must meet a minimum 70% cumulative average requirement after second semester, as well as meet all work term requirements. Please refer to the Co-operative Education program policy with respect to work term performance grading, work term report grading and program completion requirements.

For additional program information students should consult with their Co-op Co-ordinator and Co-op Faculty Advisor, listed on the Co-operative Education web site.

### Credit Summary (21.50 Total Credits)

11.50 - Required Core Courses

0.50 - Restricted Electives (from lists)

8.00 – Free Electives

1.50 - Co-op Work Terms

**Note:** Three Co-op work terms including a Summer, Fall, and Winter are necessary to complete the Co-op requirement.

The recommended program sequence is outlined below.

### Major

#### Semester 1

FRHD*1100	[0.50]	Life: Health and Well-Being
NUTR*1010	[0.50]	Introduction to Nutrition
PSYC*1000	[0.50]	Introduction to Psychology

One of:

ANTH*1150	[0.50]	Introduction to Anthropology
SOC*1100	[0.50]	Sociology

0.50 electives

#### Semester 2

BIOM*2000	[0.50]	Concepts in Human Physiology
FRHD*1020	[0.50]	Couple and Family Relationships
MBG*1000	[0.50]	Genetics and Society

One of:

FRHD*2260	[0.50]	Infant Development
FRHD*2280	[0.50]	Adolescent Development

0.50 electives

#### Semester 3

COOP*1100	[0.00]	Introduction to Co-operative Education
FRHD*2100	[0.50]	Development of Human Sexuality
FRHD*2110	[0.50]	Children and Youth with Exceptionalities
FRHD*3070	[0.50]	Research Methods: Family Studies
STAT*2080	[0.50]	Introductory Applied Statistics I

One of:

FRHD*2060	[0.50]	Adult Development and Aging
FRHD*2270	[0.50]	Development in Early and Middle Childhood

#### Semester 4

FRHD*3150	[0.50]	Strategies for Behaviour Change
FRHD*3400	[0.50]	Communication and Counselling Skills
STAT*2090	[0.50]	Introductory Applied Statistics II

One of:

FRHD*2040	[0.50]	Principles of Program Design for Children
FRHD*2400	[0.50]	Introduction to Human Services

0.50 electives

#### Summer Semester

COOP*1000	[0.50]	Co-op Work Term I
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#### Fall Semester

COOP*2000	[0.50]	Co-op Work Term II
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#### Semester 5 - Winter

FRHD*3040	[0.50]	Parenting and Intergenerational Relationships
FRHD*4320	[0.50]	Social Policies for Children, Youth and Families

One of:

FRHD*3200	[1.00]	Practicum I: Child
FRHD*3250	[1.00]	Practicum I: Youth

0.50 electives

#### Semester 6 - Summer

2.50 electives

#### Semester 7 - Fall

FRHD*3180	[0.50]	Observation and Assessment Laboratory
FRHD*4310	[0.50]	Professional Issues

1.50 electives or restricted electives

#### Winter Semester

COOP*3000	[0.50]	Co-op Work Term III
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#### Semester 8 - Summer

2.50 electives

#### Restricted Electives

0.50 restricted electives from the Department of Family Relations and Applied Nutrition at the 4000 level (excluding FRHD\*4330, FRHD\*4340 or FRHD\*4350).

#### Education - Primary / Junior / Intermediate

Graduates interested in elementary school teaching need additional study at a Faculty of Education. For those who wish to teach primary (junior kindergarten to grade 3) or junior (grades 4 to 6), each faculty of education may have certain required courses for admission. Often recommended are courses in visual or performing arts, mathematics, languages, physical or natural sciences, history or geography. Students interested in intermediate (grades 7 to 10) level teaching need to acquire a teachable subject in a specific discipline. Normally, this requirement consists of six semester courses in an area of concentration. **Students are strongly advised to contact the Faculties of Education that interest them early in their programs to determine the specific requirements.**

#### Graduate and Professional Studies

Students have successfully used the B.A.Sc. degree to gain admission into graduate programs in social work, applied psychology, sociology, anthropology, occupational therapy, speech and language, and social policy. If you plan to enter a graduate program after completing the Child, Youth and Family major of the B.A.Sc. degree program you will need to select certain courses as part of your undergraduate program to meet graduate program admission requirements. Sometimes these requirements are quite particular which means that you must plan your course selections early and carefully. In our program you would include FRHD\*4810 and FRHD\*4910.

Although graduate programs differ in their entrance requirements, most graduate programs require that you have taken (at least): one course in research methods; two undergraduate statistics courses; and have completed an undergraduate thesis.

For many of the programs you will be required to take Graduate Record Exams (GREs) in the specific field of study. **You are strongly advised to contact the graduate programs that interest you early in your program to determine the specific entrance requirements of each program.**