

Faculty of Education

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The Faculty of Education

Historical Overview

In 1942, we became the first Faculty of Education in Canada. We had only one degree program, 12 courses and three full-time professors. Today, however, we are one of the largest Faculties of Education in Canada with nine undergraduate degree programs and a wide array of graduate degrees. With four teaching departments and one school, we employ over 108 full time professors, 50 support staff and 103 full and part-time sessional instructors and we educate more than 2,750 undergraduate students and 800 graduate students.

Over the past eighty years, the Faculty of Education has evolved from a few discipline-oriented courses in Education offered by the Faculty of Arts and Science into one of the largest and strongest Faculties of Education in the country. The first education course, covering both the history and philosophy of education, was approved in 1911 and first offered in 1912. In 1928, the School of Education was created under the administration of the Faculty of Arts and Science. It opened the following year with an enrolment of seven students. The School later evolved into the College of Education; then, in 1942, into the Faculty of Education. In 1945, the Province of Alberta closed its Normal Schools in Calgary and Edmonton and turned control of teacher education over to the University of Alberta. Alberta was the first province in Canada to make teacher education exclusively a university responsibility. Since 1945, the Faculty of Education has awarded more than 45,000 BEd degrees, and developed strong graduate programs that have provided outstanding educational leaders for institutions and school systems across Canada and around the world. In 1991, the Faculty of Library and Information Studies joined the Faculty of Education and became the School of Library and Information Studies.

Mission Statement

The Faculty of Education is committed to the discovery and dissemination of knowledge about teaching and learning. We promote the view that to be a professional educator is to continue to question, to reflect, to seek knowledge, and to be open to change and diversity.

Scholarship, Research and Teaching

The Faculty of Education places a high priority on excellence in teaching, research, and community service. As a focus of excellence in scholarship, research and teaching, the Faculty is consistently ranked among the top three Faculties of Education in Canada and is considered one of the finest in North America. Our researchers provide ground breaking contributions and national/global leadership in many areas.

Education students will encounter many professors who have won distinctions such as the 3M Teaching Award, Library Journal Teaching Award, and Faculty of Education teaching awards. With 12 Rutherford Undergraduate Teaching Awards, our Faculty instructors embody excellence in teaching. The Faculty also employs Field Experience Associates, seconded from local school systems, who have demonstrated their excellence in teaching at the elementary and secondary school levels.

Undergraduate students also have an opportunity to work closely with highly competent classroom teachers during the various components of their student teaching experience.

As might be expected in a leading Faculty of Education containing departments of Educational Psychology, Elementary Education, Educational Policy Studies, and Secondary Education, as well as the School of Library and Information Studies, the research output of Faculty members is both extensive and wide ranging.

Grants

Faculty members have received top-level research grants from SSHRC, NSERC and CHIR funding agencies and major research awards such as:

- UNESCO Prize for Peace Education
- Whitworth Award for Education Research
- J Gordin Kaplan Award for Excellence in Research
- Killam Annual Professorship
- McCalla Professorship

The Faculty of Education is a leader in service to the educational and broader communities. Many faculty members and graduates devote many hours to professional development, curriculum development, and the production of

educational materials for use in the schools. Many graduates have distinguished themselves in areas as diverse as the arts, politics, and public administration as well as in the classroom. Three outstanding exemplars, all of whom have been awarded the Order of Canada, are Myer Horowitz, former Dean of Education and President of the University of Alberta; Steve Ramsanker, principal of an inner-city school who devoted his life to educating the under-privileged; and Thomas Peacocke, one of Canada's most widely acclaimed actors and directors.

Students entering the Faculty of Education will join a community with a strong tradition of teaching and research excellence and dedicated community service.

Our Graduates

Our graduates are leading the way. More than 60 percent of the elementary and secondary school teachers in Alberta are U of A graduates, 33 have become presidents of universities or colleges and over 25 percent of the current Deans of Education in Canada are alumni of this Faculty.

Areas of Expertise

The Faculty has expertise in a variety of areas including, Aboriginal populations, counseling psychology, curriculum and pedagogy, educational measurement, literacy, multicultural/international education, libraries and information management, policy development and leadership, and teacher education..

The Professors

Teaching and Scholarship

The Faculty of Education's history of excellence in teaching and scholarship is reflected through the following award winners:

3M National Teaching Fellowship

Toni Samek (2012)
Olenka Bilash (2010)
Graham Fishburne (1990)

Provost's Award for Early Achievement of Excellence in Undergraduate Teaching

Cheryl Poth (2013)
Lynette Shultz (2010)

Rutherford Award for Excellence in Undergraduate Teaching

David Chorney (2014)
Carla Peck (2013)
Clive Hickson (2007)
Amanda Montgomery (2004)
Katherine Willson (2003)
Lynn McGarvey (2002)
Susan Gibson (2001)
Olenka Bilash (1999)
Roberta McKay (1997)
Marg Iverson (1996)
Maira Juliebo (1995)
Robert de Frece (1993)
Graham Fishburne (1987)
David Wangler (1987)

Teaching Unit Award

Lynn McGarvey, Gladys Sterenberg, Julie Long, Beverley Kula, Audrey Hodgson-Ward, Allison Finch, Carrie Watt and Janelle McFeetors (2012)

William Hardy Alexander Award for Excellence in Undergraduate Teaching

Randy Dziwenka (2008)
Beverley Kula (2005)
William Smale (2003)
Hedy Bach (2002)

Award for Excellence in Graduate Teaching

Jerry Kachur (2013)

Faculty of Education Graduate Teaching Award

Cathy Adams (2017)
Denise Larsen (2016)
Ali Shiri (2016)
Makere Stewart-Harawira (2015)
Dip Kapoor (2014)
Jerry Kachur (2013)
Linda Phillips (2012)
Randolph Wimmer (2012)
D Jean Clandinin (2011)
Anna Kirova (2010)
Ali Abdi (2009)
Toni Samek (2009)
Rosemary Foster (2008)
Jill McClay (2008)
George Buck (2007)
Margaret Mackey (2007)
Frank Peters (2006)
Joyce Bainbridge (2005)
Tara Fenwick (2005)
Julia Ellis (2004)
Ingrid Johnston (2004)
Carolyn Kreber (2003)
Anna Altmann (2002)
José da Costa (2002)

Faculty of Education Sessional Teaching Award

Jodi Peebles (2017)
Robyn Shewchuk (2016)
Robert Bechtel (2015)
Beverley Preston (2014)
Bill Munro (2013)
Harold Pearse (2012)
Roland Duquette (2011)
Leonora Macy (2011)
Kerri Norberg (2010)
Daniel Robinson (2009)
Michael Burke (2008)
Randy Dziwenka (2008)
Joan Scott (2008)
Joanne Harle (2007)
Anthony Hollihan (2007)
Diane Shieron (2007)
Rillah Sheridan-Carson (2006)
Yvette Stack (2006)
Nancy Davis (2005)
Kathy Paterson (2005)
Audrey Hodgson-Ward (2004)
Sally Brenton-Hayden (2003)
Gail de Vos (2003)
Dougal MacDonald (2003)
Beverley Kula (2002)
William Smale (2002)
Hedy Bach (2001)
Bryan Connors (2001)
Glensy Berry (2000)
Douglas Brown (2000)
Lloyd Jones (2000)
Patricia Payne (2000)
Ray Benton-Evans (1999)
Joanne Sommerfeld (1999)

Faculty of Education Technology in Teaching Award

Jerine Pegg (2016)
Douglas Gledie (2015)
William Dunn (2014)
Denyse Hayward (2014)
Amanda Montgomery (2014)
David Chorney (2013)
George Georgiou (2012)
Patricia Boechler, Mike Carbonaro (2011)
Jennifer Branch-Mueller, Joanne DeGroot (2011)

Faculty of Education Undergraduate Teaching Award

Lynne Wiltse (2016)
Jason Wallin (2015)
Bonnie Watt (2014)
David Chorney (2013)
Carla Peck (2012)
William Dunn (2009)
André Grace (2008)
Tom Dust (2007)
Clive Hickson (2007)
Ali Abdi (2006)
George Richardson (2006)
Nancy Melnychuk (2005)
Amanda Montgomery (2004)
Jack Goldberg (2003)
jan jagodzinski (2002)
Lynn McGarvey (2002)
Susan Gibson (2001)
Stan Wilson (2001)
Olenka Bilash (1999)
Brenda Gustafson (1999)
Eamonn Callan (1998)

Joe Norris (1998)
Bob Frender (1997)
Roberta McKay (1997)
Katherine Willson (1996)
Marg Iverson (1995)
Maira Juliebo (1995)
Jim Parsons (1995)
John Mitchell (1994)
Dave Wangler (1994)
Robert de Frece (1993)
Graham Fishburne (1993)
Fern Snart (1993)

J Gordin Kaplan Award for Excellence in Research

Max van Manen (2002)
D Jean Clandinin (2001)
JP Das (1987)

ATA Educational Research Award

Lynne Wiltse (2012)
Robert Klassen (2011)
Dwayne Donald, Florence Gianfield, Gladys Sterenberg (2010)
Terry Carson, Dwayne Donald, Ingrid Johnston, George Richardson (2008)
Phil McRae, Jim Parsons (2007)
José da Costa (2006)
Michael Emme, Anne Kirova (2005)
André Grace (2003)
David Smith (2002)
Fern Snart (2001)
José da Costa, Margaret Haughey (2001)
Joyce Bainbridge (2000)
Roberta McKay, Katherine Willson (1997)

Coutts-Clarke Fellowship

Alexandra Fidyk (2016)
Dinesh Rathi (2015)
Ying Cui (2014)
Kent den Heyer (2013)
Cathy Adams (2012)
George Georgiou (2012)
Patricia Boechler (2011)
Marian Rossiter (2010)
Diane Conrad (2009)
Claudia Eppert (2009)
Robert Klassen (2008)
Ali Shiri (2008)
Heidi Julien (2006)
Noorfarah Merali (2006)
Lisa Given (2005)
Jacqueline Leighton (2005)
George Richardson (2005)
Ali Abdi (2004)
Christina Rinaldi (2004)
Xin Ma (2003)
Rauno Parrila (2003)
Alison Taylor (2003)
André Grace (2002)
Mark Gierl (2001)
Tara Fenwick (2001)
Judy Cameron (2000)
Susan Gibson (2000)
Ingrid Johnston (1999)
Margaret Mackey (1999)
Tracey Derwing (1998)

Canadian Centre for Research on Literacy Research Fellowship

Alison McInnes (2014)
Lynne Wiltse (2013)
Denyse Hayward (2012)
George Georgiou (2010)
Linda Laidlaw (2009)
Patricia Boechler (2008)
Jacqueline Leighton (2007)
Lynn McQuarrie (2006)
Heidi Julien (2005)
Rauno Parrila (2004)
André Grace (2003)
José da Costa (2002)
Jill McClay (2001)

Centennial Professorship

Linda Phillips (2011)

Killam Award for Excellence in Mentoring

D Jean Clandinin (2009)
Todd Rogers (2005)

Killam Annual Professorship

André Grace (2011)
jan jagodzinski (2011)
Rauno Parrila (2010)
Margaret Mackey (2009)
Tracey Derwing (2008)
Stephen Norris (2006)
Max van Manen (2005)
D Jean Clandinin (2005)
Linda Phillips (2004)
D Jean Clandinin (2003)
Richard Sobsey (2000)
Graham Fishburne (1997)
Carolyn Yewchuk (1995)
Tom Kieren (1994)
Ronna Jevne (1991)

Larry Beauchamp Senior Research Fellow

Mark Gierl (2016)
Margaret Mackey (2015)
Tracey Derwing (2011)
Stephen Norris (2010)
Jan Jagodzinski (2009)
Jean Clandinin (2008)
Linda Phillips (2007)

Martha Cook Piper Research Prize

George Georgiou (2014)
Lisa Given (2010)
Mark Gierl (2006)
Judy Cameron (2002)

McCalla Professorship

Christina Rinaldi (2014)
Elaine Simmt (2012)
Ingrid Johnston (2011)
Ali Abdi (2009)
André Grace (2008)
Alison Taylor (2007)

McCalla Research Professorship

Margaret Mackey (2006)
David Smith (2005)
Judy Cameron (2004)
jan jagodzinski (2003)
Linda Phillips (2002)
Pat Rowell (2001)
Linda McDonald (2000)
Joyce Bainbridge (1999)
Graham Fishburne (1998)
Marg Iverson (1997)
Carolyn Yewchuk (1997)
Daiyo Sawada (1996)
Todd Rogers (1995)
Ronna Jevne (1994)
John Osborne (1993)
Don Sawatzky (1993)
Richard Sobsey (1992)
Robert Carney (1991)
John Mitchell (1991)
Max Van Manen (1990)

Tom Kieren (1989)
Lorraine Wilgosh (1989)
Bruce Bain (1989)
Robert Mulcahy (1987)
William Fagan (1986)
Steve Hunka (1985)
Heidi Kass (1985)
Charles Anderson (1984)
Kazim Bacchus (1984)
Tom Maguire (1983)
Michael Rodda (1983)
Gerry Kysela (1982)
Erwin Miklos (1982)
Robert Patterson (1981)

UNESCO Prize for Peace Education

Swee-Hin Toh (2000)

Members of the Faculty

Officers of the Faculty

Dean (Interim)
R Wimmer, EdD

Vice-Dean and Associate Dean (Academic)
L McGarvey, PhD

Associate Dean (Research)
D Larsen, PhD

Associate Dean (Graduate Studies)
J McClay, PhD

Associate Dean (Undergraduate Programs and Services)
CN Hickson, PhD

Associate Dean (Undergraduate Teacher Education)
W Dunn, PhD

Associate Dean (International Initiatives)
L Shultz, PhD

Assistant Dean (Finance and Administration)
Y Norton, BA

Assistant Dean (Field Experiences)
R Smilanich, PhD

Assistant Dean (Academic Technologies)
TBA

Director, Student Support
C Christianson, PhD

Manager, Undergraduate Student Services
H Kennedy-Plant, MEd

Program Director, International Initiatives
L de Fabrizio, MA

Faculty Adjunct Professors
L Booi, BEd
E Clintberg, PhD
C Cumming, PhD
C Desrochers, PhD
L Given, PhD
W Jerome, PhD
H Juergens, PhD
I Lewis, MEd
L Paradis, PhD
M Phair, MEd
D Russell, PhD
R Spelliscy, PhD
D Swanson, PhD
GR Thomas, PhD
M Yurick, EdD
G Zwozdesky, BEd

Faculty Adjunct Associate Professors
F Burghardt, MEd
T Saarivirta, PhD
M Steier, MEd
E Whitford, MEd
SB Woitas, MEd

Faculty Adjunct Assistant Professors
H Bach, PhD
G Brettton, Elder First Nations
F Brokop, MEd
JR Mickelson, PhD
P Newton, PhD

F Whiskeyjack, Elder First Nations
L Wright, PhD

Educational Policy Studies

Chair (Interim)
L Prochner, PhD

Professors
JL da Costa, EdD
JL Kachur, PhD
HA Kanuka, PhD
DP Kapoor, PhD
JR Kelly, PhD
MW Stewart Harawira, PhD
RJ Wimmer, EdD

Associate Professors
D Da Costa, PhD
LA Shultz, PhD
JM Sousa, PhD
B Stelmach, PhD
E Steinhauer, PhD
CK Weber-Pillwax, PhD

Assistant Professors
J Anuik, PhD
S Carpenter, PhD
A Da Costa, PhD
D Hunter, PhD
M McKay, PhD
RS Sockbeson, PhD
KD Wells, PhD

Adjunct Professors
J Carr, MEd
V Cawagas, EdD
E Schmidt, MEd
A Schrader, PhD
A Taylor, PhD
D Wood, PhD
N Yanitski, EdD

Adjunct Associate Professors
J Burger, PhD
KA Holihan, PhD
J Iseke, PhD
E Lemaire, PhD
L Parker EdD
S Stiles, MEd
S Wilson, PhD

Adjunct Assistant Professors
D Clément, PhD
L D'Elia, MEd
R Guimarães-Iosif, PhD
A Hodgkins, PhD
N Lamba, PhD
E Lange, PhD
P McRae, PhD
M Nungu, PhD
P Rempel, PhD
P Phair, MEd
TL Thompson, PhD
L Yochim, PhD

Assistant Chair (Administration)
I Martyniak, BCom

Educational Psychology

Professor and Chair
GH Buck, PhD

Professors
PM Boechler, PhD
MD Carbonaro, PhD
GK Georgiou, PhD
MJ Gierl, PhD
A Grace, PhD
DJ Larsen, PhD
JP Leighton, PhD
LM McQuarrie, PhD

RK Parrila, PhD
CM Rinaldi, PhD
FD Smart, PhD
D Truscott, PhD

Associate Professors
M Abbott, PhD
D Cormier, PhD
Y Cui, PhD
LM Daniels, PhD
W Hanson, PhD
S King, PhD
N Merali, PhD
M Mrazik, PhD
JR Pei, PhD
CA Poth, PhD
L Ranta, PhD
MJ Rossiter, PhD
V Smith, PhD
KJ Van Vliet, PhD
WJ Whelton, PhD
SC Yohani, PhD

Assistant Professors
H Brown, PhD
O Bulut, PhD
M Cutumisu, PhD
J Harley, PhD
D Hayward, PhD
A McInnes, PhD

Adjunct Professors
R Klassen, PhD
G Lefrancois, PhD
T Loreman, PhD
KA Noels, PhD

Adjunct Associate Professors
W Dunn, PhD
M Guardado, PhD
M Jahnukainen, PhD
M Lewis, MD
B Monkhouse, PhD
S Varnhagen, PhD

Adjunct Assistant Professors
R Adkins, PhD
O Babenko, PhD
S Barford, PhD
S Brenton-Haden, PhD
D Brown, PhD
O Cankaya, PhD
S Carter, PhD
W Chambers, PhD
L Chmiliar, PhD
C Christianson, PhD
C Duff, PhD
JC Dunn, PhD
W Edey, MEd
S Elatia, PhD
J Foote, PhD
J Fraser, MA
G Gaine, PhD
RO Gervais, PhD
T Janzen, PhD
M Kadambi, PhD
J Light, MEd
R Lucardie, PhD
D Massey, PhD
V Massey, PhD
J Moench, PhD
L Moussu, PhD
M Nelson, PhD
A Oswald, MEd
R Petryshyn, PhD
C Purvis, PhD
W Randall, PhD
C Rasmussen, PhD
S Ross, PhD
L Schnirer, PhD
G Stewart, PhD
B Symes, PhD
J Welch, PhD
JS White, PhD
E Wikman, PhD

Assistant Chair (Administration)
E Grieve, MLLS

Elementary Education

Chair (Interim)
M Doherty, PhD

Professors
HA Blair, PhD
JL Branch-Mueller, PhD
BJ Gustafson, PhD
CN Hickson, PhD
J Huber, PhD
A Kirova, PhD
LM McGarvey, PhD
AP Montgomery, DMusEd
L Prochner, EdD

Associate Professors
JL Branch-Mueller, PhD
J Huber, PhD
M Kim, PhD
L Laidlaw, PhD
CA Leroy, PhD
C Peck, PhD
J Pegg, PhD
PV Pente, PhD
KM Robinson, PhD
L Wiltse, PhD
J Wu, PhD

Assistant Professors
T Cardinal, PhD
L Gibson, PhD
D Gleddie, PhD
J Long, PhD
PJ McFeetors, PhD
L Menna, PhD

Adjunct Professors
P Campbell, EdD
M Emme, PhD
H Pearce, PhD

Adjunct Associate Professors
D Dachyshyn, PhD
G Sterenberg, PhD

Adjunct Assistant Professors
L Barrannoik, PhD
J Ewing, PhD
L Macy, PhD
R Nixon, PhD
T Paszek, PhD
H Raymond, PhD
J Rodger, PhD
S Woitte, PhD

Assistant Chair (Administration)
V Grabia, MA

School of Library and Information Studies

Chair
A Samek, PhD

Professor
A Shiri, PhD

Associate Professors
D Rathi, PhD
D Zhao, PhD

Assistant Professors
K Dali, PhD
M McNally, PhD
T Oliphant, PhD
A Worrall, PhD

Adjunct Professors
G Beasley, MA

G deVos, MLS
P Demer, PhD
P Martinez, MLLS
F Tough, PhD

Assistant Chair, Administration
A Powar-Grewal, BEd

Secondary Education

Professor and Chair
FA Glanfield, PhD

Professors
OSE Bilash, PhD
DH Conrad, PhD
WE Dunn, PhD
TJ Dust, DMusEduc
jj jagodzinski, PhD
GW Richardson, PhD
ESM Simmt, PhD
GP Thomas, PhD
B Watt, PhD

Associate Professors
CA Adams, PhD
DW Chorney, PhD
A Fidyk, PhD
K den Heyer, PhD
DT Donald, PhD
C Eppert, PhD
S Lessard, PhD
NM Nocente, EdD
J Wallin, PhD

Assistant Professors
D Lewkowich, PhD
L Sulz, PhD
C van Kessel, PhD

Adjunct Professors
S Barker, PhD
A Binde, PhD
M Mackey, PhD

Adjunct Associate Professors
L Cammarata, PhD
A Halai, PhD
F Jenkins, PhD
J Mgbobelo, PhD
R Ritter, PhD
MC Shanahan, PhD

Adjunct Assistant Professors
R Bechtel, PhD
R Cardinal, Sr
W Diefenthaler, MA
F Elliott PhD
B Oswald, MEd
F Shariff, PhD
T Skuce, PhD
M Van Manen, PhD

Assistant Chair (Administration)
V Grabia, MA

Education Centres
Canadian Centre for Research on Literacy
Director
LM Phillips, PhD

Centre for Global Citizenship Education and Research Director
L Shultz, PhD

Centre for Mathematics, Science and Technology Education Director
J Pegg, PhD and E Simmt, PhD

Centre for Research in Applied Measurement and Evaluation Director
M Gierl, PhD

Centre for Research in Teacher Education and Development Director
J Huber, PhD

Institute for Sexual Minority Studies and Services Director
A Grace, PhD and K Wells, PhD

JP Das Centre on Development and Learning Disabilities Director
R Parrila, PhD

Western Canadian Centre for Deaf Studies Director
LM McQuarrie, PhD

Additional Members of Faculty Council

President and Vice-Chancellor
DH Turpin, CM, PhD, LLD, FRSC

Vice-Provost & University Registrar

LM Collins

One Representative from the following Faculties:
Agricultural, Life and Environmental Sciences

Arts

Augustana Campus

Business

Extension

Faculté Saint-Jean

Native Studies

Nursing

Physical Education and Recreation

Rehabilitation Medicine

Science

Herbert T Coutts Library

One Representative

Alberta Education

One Representative

Alberta Teachers' Association

One Representative

Education Students' Association

Two Representatives

Graduate Students' Association

Two Representatives

Non-academic Staff

Two Representatives

Sessional Staff

Two Representatives

General Information

The Faculty of Education provides professional preparation for teachers and opportunities for graduate study for those interested in more advanced work in education. Undergraduate degree programs are available in elementary and secondary program routes.

Each Bachelor of Education degree program allows for certification as a teacher in Alberta. Teaching Certificates are granted by the Minister of Education, on the recommendation of the Faculty of Education.

All inquiries should be addressed to the Office of the Associate Dean (Undergraduate Student Services), Faculty of Education, University of Alberta, Edmonton, AB T6G 2G5.

Student Organizations

The Education Students' Association (ESA) is the largest undergraduate student organization within the Faculty of Education. As well as being the official representation for undergraduates in the Faculty, the ESA is also designated as Student Local #1 of the Alberta Teachers' Association (ATA), and is also designated as the official faculty association of the University of Alberta Students' Union. All members of the ESA are entitled to run for council or executive positions on the Education Students' Association. ESA has representation on a number of Faculty and Department councils and committees. For more information on representation on councils and committees, contact the ESA Vice President, External Affairs.

The ESA is responsible for renting lockers located in the Education building, and provides a tutor registry for Education students looking for tutor opportunities. The ESA also conducts a number of social, academic and professional development events throughout the year.

For more general information, contact the ESA at info@educationstudents.com, visit www.educationstudents.ca, or visit us in person at the ESA office [4-110A Education North, (780) 492-3650] during office hours for details.

Advanced Study in Education for Holders of Approved Degrees

Free-Standing University Certificates

The Faculty of Education offers professional learning through free-standing for-credit University Certificate in the following area:

Advancing Adolescent Literacy

Certificate in Advancing Adolescent Literacy (★15)

- ★3 EDPY 420 Language Foundations and Word Reading
- ★3 EDPY 421 Reading Comprehension and Assessment
- ★3 EDPY 422 Cultural and Linguistic Diversity and Reading
- ★3 EDPY 423 Reading in the Disciplines
- ★3 EDPY 424 Data-Driven Literacy Instruction, Leadership, and Collaboration.

For more information

Contact JP Das Centre on Developmental and Learning Disabilities within the Department of Educational Psychology or visit aari.educ.ualberta.ca.

Early Childhood Education

Certificate in Early Childhood Education (★15)

Requirements

- EDEL 355 - Teaching and Learning in Early Childhood Settings
- EDEL 400
- EDEL 404 - Developing Literacy: Pre-School to Grade Three
- EDEL 455 - Play as a Teaching and Learning Strategy
- EDEL 457 - Theory and Practice in Early Childhood Education

Note: For more information contact the Department of Elementary Education or visit elementaryed.ualberta.ca.

Admission to University Certificate requires a three- or four-year degree (see Admission for admission and document requirements).

University Certificates consist of a minimum of ★15 credits. Certificates will be awarded for the successful completion of the designated courses within the Certificate and with a final GPA of 2.0 or above. Certificates must be completed within four years.

Diploma of the Faculty of Education

The Faculty of Education offers a series of diploma programs to provide additional special qualifications in designated areas. Normally, admission to a diploma program requires an undergraduate degree and a professional teaching certificate. Where exceptional circumstances warrant, one or both of the above requirements may be waived. Additional requirements may be set, and quotas may be imposed on particular diploma programs.

Students who now hold the MEd degree may not obtain the Diploma based on courses credited to the MEd degree program.

Normally, courses credited toward the diploma may not also be credited toward the Bachelor of Education degree. The minimum required grade for courses to be credited toward the Diploma is C-. Students who fail to complete the diploma program requirements in four years from date of starting the program may have their diploma program reviewed and, if necessary, rearranged according to prevailing requirements.

Applicants who do not hold a Teaching Certificate will not receive one on completion of a Diploma program. A student wanting certification must take the basic Certification program described in Teaching Certification.

Applicants who have never attended the University of Alberta must complete an Application for Admission and submit it along with all relevant documentation to the Office of the Registrar by the published deadline.

Applicants who have attended the University of Alberta should complete an Application for Readmission or Internal Transfer form and submit it to the Office of the Registrar by the published deadline.

Diploma programs currently available are listed by Department, as follows. Contact the Departments directly for more detailed information.

Department of Educational Psychology

Inclusive/Special Education
Instructional Technology
Teaching English as a Second Language (Program Plan A)
Teaching English as a Second Language (Program Plan B)

Department of Educational Policy Studies

Adult Education
Education Administration
Postsecondary Education

Department of Elementary Education

Early Childhood Education
General Studies
Language Arts
Music Education
Second Languages

Department of Secondary Education

Art
Biological Sciences
Chemistry
Career and Technology Studies (CTS)
CTS: Business, Administration, Finance
CTS: Communication Arts
CTS: Computing Science
CTS: Design
CTS: Health
CTS: Human Sciences
CTS: Media
CTS: Natural Resources
CTS: Recreation
CTS: Trades, Manufacturing, and Transportation
Computers in Education
Curriculum and Instruction
Drama
English Language Arts
English as a Second Language
General Sciences
Health Education
Mathematics

Music: Classroom Guitar
 Physical Education
 Physical Sciences (Chemistry and Physics)
 Physics
 Religious and Moral Education
 Second Languages
 Social Studies
 Special Topics*

*From time to time the Department of Secondary Education may offer diploma programs in special topics or students may be interested in completing a diploma in an area not included in the listing above. Students interested in working in an area not included in the listing above should consult the Department of Secondary Education.

Graduate Degree Programs in Education

The Faculty of Education offers graduate work for the preparation of teachers, supervisors, guidance counsellors, administrators and other educational specialists, and may lead to the degrees of Master of Education, Doctor of Education or Doctor of Philosophy. Candidates for these advanced degrees choose an area of concentration corresponding to the specialization of a particular department as follows:

Department of Educational Policy Studies: adult education; educational administration and leadership; indigenous peoples education; and theoretical, cultural and international studies in education.

Department of Educational Psychology: counselling and school psychology, educational psychology, special education, instructional technology education.

Department of Elementary Education: curriculum and instruction in kindergarten, primary, and elementary education (Grades 1-6).

Department of Secondary Education: curriculum and instruction in secondary education (Grades 7-12).

To meet candidates' needs and interests, departments permit considerable flexibility in the programs leading to advanced degrees. In general, students pattern their courses from the offerings of the department of their choice, supplemented by approved courses from other departments. Specific requirements for graduate degrees offered by the various departments in the Faculty of Education are found in Faculty of Graduate Studies and Research.

Graduate-level courses in education are offered in Fall/Winter and Spring/Summer.

Students should address their preliminary inquiries to the appropriate Department Chair and, if possible, arrange for an interview.

All candidates for graduate degrees must also be formally admitted to the Faculty of Graduate Studies and Research, which administers graduate degree programs offered by the University of Alberta.

School of Library and Information Studies

The School of Library and Information Studies offers the Master of Library and Information Studies (MLIS) degree. The MLIS program is accredited by the Committee on Accreditation of the American Library Association. This accreditation is also recognized by the Canadian Library Association.

The MLIS develops the knowledge, understanding, attitudes and skills that prepare graduates for positions of responsibility in school, academic, public and special libraries, and in the information industry.

In preparing for the MLIS program, students should include courses distributed among the social sciences, biological and physical sciences, literature, and other areas of the humanities. Prior library experience can be beneficial.

The minimum requirement for the MLIS degree is either 13 single-term graduate courses and a thesis (thesis route), or 16 single-term graduate courses and a capping exercise (course-based route). Students may enrol in the School on a full-time or part-time basis. Students registered full time will normally be able to complete the degree requirements in two years. There are no residence requirements in the course-based route.

For further information, contact the School of Library and Information Studies.

School of Library and Information Studies courses are listed in Course Listings, under the heading Library and Information Studies (LIS).

Employment with Catholic School Boards

Students planning to seek employment in Catholic Schools in Alberta should consult St Joseph's College early in their program about including courses in Christian Religious Education, Theology, and Philosophy in their program of study.

Collaborative BEd Degree Completion Program with Keyano College

A Bachelor of Education (Elementary Route) Degree Completion program with Keyano College was approved, beginning in September 2015. The focus of this program is on Teaching in the Rural North. For more information regarding this ongoing program, contact Undergraduate Student Services in the Faculty of Education (University of Alberta) or the Student Advising Office at Keyano College.

Collaborative BEd Degree Completion Program with Red Deer College

A Bachelor of Education (Elementary Route) Degree Completion program with Red Deer College was approved, beginning in September 1996. The focus of this program is on Middle School Education. For more information regarding this ongoing program, contact Undergraduate Student Services or the Education Programs Office, Red Deer College.

Collaborative BEd Degree Completion Program with Grande Prairie Regional College

A Bachelor of Education (Elementary) Degree Completion program with Grande Prairie Regional College was approved, beginning in September 1999. The focus of the Teacher Education North program is teaching in northern communities. For more information regarding this ongoing program, contact Undergraduate Student Services or the Registrar's Office, Grande Prairie Regional College.

Collaborative BEd Degree Completion Program with the Aboriginal Teacher Education Program (ATEP)

A Bachelor of Education Degree Completion program in collaboration with various postsecondary institutions such as Blue Quills First Nations College, Keyano College, Northern Lakes College, Maskwachees Cultural College, Portage College on an alternating basis. For more information contact the Office of the Dean, Faculty of Education.

BEd Program for Certificated Teachers

Certificated teachers are granted credit for the first year of the Bachelor of Education degree for their Normal School or Junior E training if this training was of not less than seven months' duration.

Teachers who have never attended the University of Alberta should submit an Application for Admission form to the Registrar's Office.

Teachers who completed the one-year program offered by the University of Alberta (before 1962) should submit an Application for Readmission or Internal Transfer form to the Registrar's Office.

Certificates

Embedded Certificates (Undergraduate)

The Faculty of Education is the administrative unit for certificates offered to graduating students which acknowledge formally that students have studied particular themes, within one discipline, or across disciplines. Normally the requirements for the certificates can be completed as part of the requirements for the degree; however, in some cases, a student may need to take more than the minimum required for their degree program in order to qualify for both the degree and the certificate. The following certificates are available:

Certificate in Global Citizenship: available to undergraduate students across the University, regardless of Faculty or program.

Deadline for Application: Application for all certificates is made to the student's home Faculty student services office by February 1 for Spring Convocation and September 1 for Fall Convocation. At present, this certificate is not available to students who have already completed their degrees, or who are not receiving a degree at the appropriate convocation.

Faculty Regulations

Speech Competency

Besides demonstrating overall English language proficiency, students entering the Faculty expecting to complete teacher certification need a further level of spoken English proficiency, regardless of their citizenship status or country of origin. Speech competence is a prerequisite for enrolment in field experience courses. Students who have not achieved the necessary level of competence may not register for these courses. See English Language Proficiency and Spoken English Requirement for further information.

Registration Requirements

BEd; BEd (After Degree); BA (Native Studies)/BEd (Elementary) (Secondary) Combined Degrees Program; BMus/BEd (Elementary) (Secondary) Combined Degrees Program; BKin/BEd (Elementary) (Secondary) Combined Degrees Program; BSc in Human Ecology/BEd (Secondary) Combined Degrees Program; BA (Drama)/BEd (Secondary) Combined Degrees Program

Course Load: The normal full course load for the Bachelor of Education; Bachelor of Education (After Degree); Bachelor of Arts (Native Studies)/Bachelor of Education Combined Degrees Program; Bachelor of Music/Bachelor of Education Combined Degrees; Bachelor of Kinesiology/Bachelor of Education (Elementary) (Secondary) Combined Degrees Program; Bachelor of Science in Human Ecology/Bachelor of Education Combined Degrees Program each term of Fall/Winter is ★15. Permission to take more than ★15 each term may be granted under special circumstances. Students should contact the Undergraduate Student Services Office for more information.

Full-Time and Part-Time Registration: Much of the degree program may be taken on a part-time basis; however, students are expected to register full time while doing their student teaching.

Maintaining Registration: Students who wish to interrupt their program without having to compete for admission may apply for permission to "stop out." Permission is granted only to students in good academic standing and only for a specified period. Information regarding a stop out is available from Undergraduate Student Services.

BSc (Specialization in Science and Education)/BEd (Secondary) Combined Degrees Program

Note: Students in the Bachelor of Science (Specialization in Science and Education)/Bachelor of Education (Secondary) Combined Degrees Program are registered in the Faculty of Science for the first two years of the five-year program. They are registered in the Faculty of Education commencing the beginning of third year.

A student in the combined program is not granted the privilege of repeating a failed course more than once during the program except with the permission of the Dean of Education and the Dean of Science. A student is not permitted to repeat a course in which a grade of D or more has been received except with the permission of the Dean of Education and the Dean of Science.

Courses with prerequisites may only be used for credit if the prerequisite requirements have been met. A grade of D is the minimum grade acceptable in a course to be used as a prerequisite.

Normally, no more than ★42 at the 100-level are permitted in the combined program.

A full-time student in the combined program should normally register in ★30 during Fall/Winter of each year of the program.

A student may be permitted to complete the requirements for the combined program over a longer period than five years on approval by the Dean of Education and the Dean of Science.

Field Experience Courses (Student Teaching)

1. Registration in field experience courses is a two-part process. Students must first register in EDFX courses using the Bear Tracks web registration system. Students must then access the Faculty's Online Registration system via the Field Experiences website.
2. Students with documented disabilities that might require accommodation should consult Undergraduate Student Services.
3. Because of the Faculty's commitment to our school partners to ensure that student teachers are able to meet the expectations of full involvement in the school setting, students must not register in any courses additional to those defined as part of the field experience term unless they have received prior approval from the Associate Dean in Undergraduate Student Services.
4. Students are not normally permitted to register in field experience courses while on Academic Warning.
5. A student who has been assigned a grade of "W" or "NC" in any Introductory Field Experience is entitled to a second registration in an Introductory Field Experience. A student who has been assigned a grade of "W" or "NC" in any Advanced Field Experience is entitled to a second registration in an Advanced Field Experience. See also Reregistration in Courses. Notwithstanding Reregistration in Courses, if a student receives a "W" or "NC" in the second attempt of either an Introductory Field Experience or Advanced Field Experience, they will not be allowed to continue in the Faculty of Education. Any student who has been assigned a grade of "W" or "NC" in any Field Experience must receive the approval of the Assistant Dean (Field Experiences) to reregister in the course.
6. Given the unique nature of the Field Experience courses and the complexity of the placement process, students who wish to delete a Field Experience course may do so without restriction only until the University's general add/delete deadline. Students who wish to delete a Field Experience course after the University's general add/delete deadline, but before the Field Experience delete deadline, may normally do so only once; otherwise, the course deletion will be considered a Withdrawal ("W"). After the Field Experience delete deadline, all course deletions will be considered a Withdrawal ("W").
7. The Faculty of Education is committed to a Regional placement program in which students are encouraged to complete field experiences beyond the greater Edmonton area in Alberta. Students who wish to apply for a regional placement must adhere to posted deadlines.
8. Students are expected to access the Field Experiences website before the beginning of their field experiences. The website provides specific information about student teaching and outlines what is expected of student teachers.

Students in the Faculty of Education are expected to conduct themselves according to the Alberta Teachers' Association Code of Professional Conduct and the University of Alberta Code of Student Behavior: Conduct and Discipline. During the field experiences Student Teachers shall maintain an ethical and professional attitude toward all members of the school community. The Alberta Teachers' Association Code of Professional Conduct will be a guideline for behavior in the school community. Student Teachers shall recognize and accept that the welfare of the students is of ultimate concern and that the Mentor Teacher has the final responsibility for what occurs in the classroom.

Students are held accountable to these standards and answerable to the Assistant Dean (Field Experiences) and the Dean of Education.

9. Program match is the most important variable when making placements. When making placements, consideration is given to the proximity of a school to a student's place of residence; however, students can be placed anywhere in the Edmonton Capital Region. Access to transportation is not a determining factor in making placements in the Edmonton area.
10. Field experience courses other than EDFX 476 and EDFX 490 are not normally offered during Spring/Summer.
11. The Assistant Dean (Field Experiences) acting on behalf of the Dean, may immediately deny assignment of a student to, withdraw a student from, or vary terms, conditions or site of a field experience placement if the Assistant Dean (Field Experiences) has reasonable grounds to believe that this is necessary in order to protect the Public Interest. Refer to Practicum Intervention Policy for additional information.

Important Dates - Field Experiences

1. Students are responsible for being aware of the important dates related to the Field Experience as posted, including delete and withdrawal deadlines.
2. During the Field Experience, students will follow the calendar of the school at which they are placed.

Student Advising

Undergraduate Student Services (USS)

USS staff assists with admission, readmission, program requirements, field experiences, and any other issues related to a student's degree or diploma program.

USS maintains the official Faculty record of each student's academic program as well as the student teaching reports. These records are held for three years after graduation.

All queries can initially be handled by USS staff; if necessary, students will be referred to the appropriate University department for a final resolution.

Associate Dean(s) (Teacher Education and Undergraduate Programs and Services)

The Associate Dean(s) are responsible for the overall administration of all matters related to the undergraduate program. The Associate Dean(s) works with the Registrar's Office, other Faculties and departments, the Assistant Dean (Field Experiences), and the Director of Student Support on program-related concerns Faculty initiatives and any other issues arising in administering Faculty policies and regulations.

Assistant Dean (Field Experiences)

The Assistant Dean (Field Experiences) is responsible for all matters related to student teaching and field experience courses. Field Experiences staff arrange for cooperating teachers and university facilitators who work with students regularly during the field experience terms.

Director of Student Support

The Director of Student Support meets with students who have encountered personal or academic difficulties. The Director of Student Support also works with Student Accessibility Services to facilitate field experience accommodations.

Academic Standing and Promotional Standards

BEd; BEd (After Degree); BA (Native Studies)/BEd Combined Degrees Program; BKin/BEd (Elementary) (Secondary) Combined Degrees Program; BSc in Human Ecology/BEd (Secondary) Combined Degrees Program

Academic standing for the Bachelor of Education; Bachelor of Education (After Degree); Bachelor of Arts (Native Studies)/Bachelor of Education Combined Degrees Program; Bachelor of Kinesiology/Bachelor of Education (Elementary) (Secondary) Combined Degrees Program; Bachelor of Science in Human Ecology/Bachelor of Education Combined Degrees Program is assessed based on the Fall/Winter grade point average (GPA). Students are expected to maintain a minimum GPA of 2.0.

See Additional Grades and Remarks and Academic History (Transcript) Records for information on calculation of GPAs and the academic record. The GPA is printed on the official transcript and the Statement of Results issued after each Fall/Winter or Spring/Summer period.

A review of academic performance is conducted for each student at the end of each Fall/Winter (September to April) and Spring/Summer (May to August), covering the previous period's work. If a student has only registered for one term during either Fall/Winter or Spring/Summer then a review will be done on that term.

The assignment and reassignment of categories of academic standing are based on a student's performance in a minimum of ★9. If, at the time of review, the student has attempted fewer than ★9 since the last assignment of a category of academic standing, the review will be deferred and the academic standing assigned at the last review will remain in effect until the next review. The ★9 needed for an academic review is cumulative. Once a student has completed a minimum of ★9, over one or more terms, a review will be done.

Categories of Academic Standing:

One of three categories of academic standing is determined for each student based on the GPA.

Satisfactory Standing: Students with a GPA of 2.0 or greater are considered to be in Satisfactory Standing and may continue in the program.
Marginal Standing-Academic Warning: Students with a GPA of 1.7 to 1.9 inclusive are considered to be in Marginal Standing and may be permitted to continue on Academic Warning.

Unsatisfactory Standing-Required to Withdraw: Students with a GPA of 1.6 or less, or students who have been assigned Marginal Standing on two

occasions (not necessarily consecutively) while registered in the Faculty, are considered to be in Unsatisfactory Standing and are required to withdraw from the Faculty.

Marginal Standing-Academic Warning

- A student placed on Academic Warning resulting from Marginal Standing is bound by the following requirements:
 - A student must complete ★24 credits with a GPA of 2.0; or complete a minimum of ★21 credits with a GPA of 2.3; or complete a minimum of ★18 credits with a GPA of 2.7; or complete a minimum of ★15 credits with a GPA of 3.0.
 - Note: Students are not required to complete these minimum number of units of course weight in one Fall/Winter.
 - A student on Academic Warning must maintain a GPA of at least 2.0 for each full session in which the student is enrolled.
 - A minimum of ★9 does not have to be completed for a performance review to be conducted when a student is on Academic Warning. A review will be done after each term on any work done. A minimum GPA of 2.0 must be maintained on all work.
 - Registration in a field experience term will not be permitted while on Academic Warning. If special circumstances warrant, permission must be obtained from the Associate Dean Undergraduate Student Services.
 - Students are not normally permitted to take courses at another institution while on Academic Warning.
- Required to Withdraw
 - Students cannot be placed on Academic Warning more than once during any degree program offered by the Faculty of Education. Therefore, students must maintain Satisfactory standing after clearing Academic Warning.
 - Students who fail to meet the standards and requirements of Academic Warning or who are placed on Academic Warning twice during their program will normally be required to withdraw and remain out of the Faculty.
- Readmission After Required to Withdraw
 - A student required to withdraw must apply and compete for readmission to the Faculty of Education after completing a minimum of ★24 transferable to the University of Alberta. See Bachelor of Education in Elementary, Secondary, and Adult Education Routes VII.
 - Normally, students are to successfully complete the ★24 at another postsecondary institution. Students with a GPA of between 1.3 and 1.6 may be permitted to continue at the University of Alberta in the Fresh Start program to complete the ★24 providing they have not previously been on Academic Warning or Probation, or have been Required to Withdraw, from any postsecondary program. Further detailed information can be found in First- and Second-Year Students with GPAs of 1.3 to 1.6—Admission to Fresh Start Program, Academic Warning, Academic Probation, Required to Withdraw, and Fresh Start Program.
 - Students who have been required to withdraw and who, after being readmitted, are again given Academic Warning will be required to withdraw and will not be readmitted to the Faculty.

Academic Standing for BSc (Specialization in Science and Education) and BEd Combined Degrees Program

- Continuation in the Bachelor of Science (Specialization in Science and Education) and Bachelor of Education Combined Degrees Program requires a Fall/Winter Grade Point Average (GPA) of at least 2.3. A student who does not meet the requirement to continue in the combined degrees program must withdraw from the combined program and may apply for admission to either a BEd program or a BSc program, if eligible. Refer to Bachelor of Education in Elementary, Secondary, and Adult Education Routes or Bachelor of Science (BSc) (General) for academic standing regulations for admission to the BEd or BSc General programs.
- Note: Students in the BSc/BEd are registered in the Faculty of Science for the first two years of the five-year program. They are registered in the Faculty of Education commencing the beginning of the third year.
- Grade Point Average (GPA): The Grade Point Average is the weighted average over all courses attempted while registered in Fall/Winter. See Additional Grades and Remarks and Academic History (Transcript) Records regarding rules for calculation of the GPA.

Academic Standing for the BMus/BEd Combined Degrees Program

- To be eligible to continue in the program, students will need a minimum GPA of 2.3 for each Fall/Winter. See Additional Grades and Remarks and Academic History (Transcript) Records for information on calculation of Fall/Winter GPAs and the academic record.
- Successful completion of the program requirements includes a GPA of 2.3 on all courses completed in the program.
- Students must complete at least ★33 during each Fall/Winter in every year except Year 4 where ★30 is required. A reduced course load to ★24 requires only the approval of the Department of Music; a course load of less than ★24 requires the approval of both Faculties and is based on a recommendation from the Department of Music.
- Students who fail to meet the requirements for promotion as outlined in (1) above will be required to withdraw from the BMus/BEd Combined Degrees program. Such students may transfer to another program in the Faculty of Arts, the Faculty of Education or another Faculty, provided the entrance and promotion requirements for such a program are met. After transfer, all requirements for the new program must be met.
- Students who fail to meet the fifth-year requirements in the program will be permitted to fulfill those requirements only with the approval of the Faculty of Arts and the Faculty of Education upon the recommendation of the Department of Music. Otherwise, students must withdraw from the program and, if so desired, transfer to another program in the Faculty of Arts or Education for which they are able to meet entrance and promotion requirements.
- The BMus/BEd Combined Degrees program may be interrupted only with the prior consent of the Department of Music, the Faculty of Arts, and the Faculty of Education. Readmission and continuation will be subject to any conditions, including reauditioning and new program requirements, that may be specified by the Department of Music, the Faculty of Arts, and the Faculty of Education.

Residence Requirements

- Students proceeding toward the BMus/BEd Combined Degrees program must normally have credit in at least ★96 offered by the University of Alberta.
- Students who take part of their final ★60 at another postsecondary institution must seek the approval of the Department of Music, the Faculty of Arts, and the Faculty of Education.

Academic Standing for the BA (Drama)/BEd Combined Degrees Program

- To be eligible to continue in the program, students will need a minimum GPA of 2.3 for each Fall/Winter.
- A 2.7 GPA is required on all senior level (200-level and above) DRAMA courses.
- Successful completion of the program requirements includes a grade point average of 2.3 on all courses credited to the degrees (★150) and a 2.7 GPA on all senior DRAMA courses applied to the major.
- ★30 are recommended each Fall/Winter; however, students are required to complete at least ★24 during each Fall/Winter. A reduced course load below ★24 must be approved by both the Faculty of Arts and the Faculty of Education, and is based on a recommendation from the Department of Drama.
- Students who fail to meet the requirements for promotion are required to withdraw from the BA (Drama)/BEd Combined Degrees program. Such students may transfer to another program in the Faculty of Arts, the Faculty of Education or another Faculty, if entrance and promotion requirements for such a program are met. After transfer, all requirements for the new program must be met.
- Students who fail to meet the fifth-year requirements in the program are permitted to fulfill those requirements only with the approval of the Faculty of Arts and the Faculty of Education upon the recommendation of the Department of Drama. Otherwise, students must withdraw from the program, and, if so desired, transfer to another program in the Faculty of Arts or Education for which they are able to meet entrance and promotion requirements.
- The BA (Drama)/BEd Combined Degrees program may be interrupted only with the prior consent of the Department of Drama, the Faculty of Arts, and the Faculty of Education. Readmission and continuation will be subject to

any conditions imposed by the Faculties and new program requirements that may be specified by the Department of Drama, the Faculty of Arts, and the Faculty of Education.

Residence Requirements

- Students proceeding toward the BA (Drama)/BEd Combined Degrees program must have credit in at least ★75 offered by the University of Alberta.
- After admission to the program, any request to take courses at another postsecondary institution must be approved by both the Faculty of Arts and Education, based on a recommendation of the Department of Drama.

Academic Standing for the Bachelor of Science (BSc)/Bachelor of Education (BEd) (Secondary) Combined Degrees Program (Augustana)

Continuation in the Bachelor of Science (BSc)/Bachelor of Education (BEd) (Secondary) Combined Degrees Program (Augustana) requires a Fall/Winter Grade Point Average (GPA) of a 2.3. A student who does not meet the requirement to continue in the degrees program must withdraw from the program and may apply for admission to either a BEd program or a BSc program, if eligible.

Residence Requirements

- Students proceeding toward the BA (Drama)/BEd Combined Degrees program must have credit in at least ★75 offered by the University of Alberta.
- After admission to the program, any request to take courses at another postsecondary institution must be approved by both the Faculty of Arts and Education, based on a recommendation of the Department of Drama.

Appeals

BEd; BEd (After Degree); BA (Native Studies)/BEd Combined Degrees Program; BMus/BEd Combined Degrees Program; BKin/BEd (Elementary) (Secondary) Combined Degrees Program; BSc in Human Ecology/BEd Combined Degrees Program; BA (Drama)/BEd Combined Degrees Program

Faculty decisions regarding the Bachelor of Education; Bachelor of Education (After Degree); Bachelor of Arts (Native Studies)/Bachelor of Education Combined Degrees Program; Bachelor of Music/Bachelor of Education Combined Degrees Program; Bachelor of Kinesiology/Bachelor of Education (Elementary) (Secondary) Combined Degrees Program; Bachelor of Science in Human Ecology/Bachelor of Education Combined Degrees Program; Bachelor of Arts (Drama)/Bachelor of Education Combined Degrees Program academic standing or standing in an individual course can become the subject of an appeal. A student wanting to appeal an academic decision must attempt to resolve the issue first with the professor concerned (if applicable), then with the Department Chair, and, if still unresolved, with the Associate Dean in Undergraduate Student Services. If the matter remains unresolved, students may then appeal to the Faculty Academic Appeals Committee.

Further details of the Faculty's appeal procedures are available from the Director of Student Support or the Associate Dean in Undergraduate Student Services, 1-107 Education Centre North. Certain decisions of the Faculty Academic Appeals Committee may be appealed to the General Faculties Council Appeals Committee. See Appeals and Grievances.

BEd/BSc (Specialization in Science and Education) Combined Degrees Program

- A student in the Bachelor of Education/Bachelor of Science (Specialization in Science and Education) Combined Degrees Program seeking a review of a decision on academic standing must first consult the Associate Dean (Undergraduate Student Services) in the Faculty of Education and submit a written statement pertaining to the specific decision affecting the student's academic standing. This statement should include related documents on which an appeal can be based and must be made within 30 days of the original decision on academic standing. The Associate Dean of Education consults the Associate Dean, Undergraduate, and they decide on the appeal and inform the student.

- If the student is not satisfied with the decision, the student may appeal, in writing, to the Dean of Education. The Dean of Education consults the Dean of Science. They decide on the appeal and inform the student. An appeal to the Dean must be made within 15 days of receiving the written decision from the Associate Dean.
- If the student is still not satisfied, the student may appeal, in writing, to the Bachelor of Education/Bachelor of Science (Specialization in Science and Education) Program Appeals Committee on Academic Standing. An appeal to this committee must be made within 30 days of receiving the written decision from the Deans.
- If the latter appeal decision is not satisfactory, the student has the right to appeal to the GFC Academic Appeals Committee. An appeal to this committee must be made within 30 days of receiving the written decision from the Combined Program Appeals Committee.

Bachelor of Science (BSc)/Bachelor of Education (BEd) (Secondary) Combined Degrees Program (Augustana)

A student in the Bachelor of Science (BSc)/Bachelor of Education (BEd) (Secondary) Combined Degrees Program (Augustana) seeking a review of a decision on academic standing must first consult an Associate Dean in Undergraduate Student Services in the Faculty of Education and submit a written statement pertaining to the specific decision affecting the student's academic standing. This statement should include related documents on which an appeal can be based and must be made within 30 days of the original decision on academic standing. The Associate Dean of Education consults the Associate Dean, Academic Programs, from the Augustana Faculty, and they decide on the appeal and inform the student.

Reexamination

See Reexaminations.

Graduation

BEd and BEd (After Degree)

- To receive the Bachelor of Education degree, students must:
 - successfully complete a minimum of ★60 of their program at the University of Alberta and a minimum of ★45 after admission to the Faculty of Education (After Degree students must complete a minimum of ★30 after admission to the Faculty of Education);
 - obtain a graduation GPA of 2.0 calculated on the most recent ★60 completed at the University of Alberta for the Bachelor of Education or the most recent ★45 completed at the University of Alberta for the Bachelor of Education/After Degree. Courses with non-numeric marks are included in the credit count but not in the calculation of the average; and
 - successfully complete all field experience requirements.
- Students may complete up to ★12 in addition to those required for the degree program to raise their graduation GPA to the required level of 2.0.
- To qualify for the notation "With Distinction" on their parchment, students must have achieved a graduation GPA of 3.5.
- For students expecting to convocate at Spring Convocation, all course requirements must be completed by April 30. Those completing degree requirements during Spring/Summer will be eligible for Fall Convocation.
- For the After Degree Program students must graduate with the following courses:

Elementary Route

- ★54 - ★60 in Education courses
- ★6 in English Literature and Composition
- ★3 in Mathematics

Secondary Route

- ★48 - ★54 in Education courses
- ★36 in the Major,
- ★9-18 in the Minor,
- ★6 in English/French Literature and Composition

Some of these requirements may be completed prior to admission.

BA (Native Studies)/BEd Combined Degrees Program

- Graduation requirements include an overall grade point average of 2.0 on all courses completed in the ★150 program, and a GPA of 2.1 on all courses completed in the Native Studies major.
 - 100-level courses: For the purpose of the combined degrees program normally no more than ★60 at the 100-level may be taken for degree credit.
- To qualify for the Bachelor of Native Studies and the Bachelor of Education degrees, students must successfully complete relevant program requirements, have met the promotion, graduation, final year, and residence requirements, and have received the recommendation of the Faculty of Native Studies Council and the Faculty of Education.
- Degrees with Distinction shall be awarded to students who achieve a graduation grade point average of 3.5 or higher on the last ★90 taken at the University of Alberta. In cases where a student has taken courses at another institution as part of these ★90, the Degree with Distinction will be awarded at the discretion of the Faculty.
- Student Advising: Students will be jointly advised regarding program and course requirements by designated advisors in both the Faculty of Native Studies and the Faculty of Education.

BSc (Specialization in Science and Education)/BEd (Secondary) Combined Degrees Program

To receive the Bachelor of Science (Specialization in Science and Education)/Bachelor of Education (Secondary) Combined Degrees Program, a student must complete all requirements of the combined program and must achieve a graduation GPA of at least 2.3 on all courses with numeric grades credited to the combined program (calculated on the last ★90 credited to the degree). In addition, a GPA of at least 2.3 must be attained in all courses in the major Subject or Area of Concentration.

Notes

- Only successfully completed courses applicable to the students' Bachelor of Science (Specialization in Science and Education)/Bachelor of Education (Secondary) Combined Degrees Program will be used to calculate the graduation GPA.
- Students will be allowed to take up to ★12 in addition to those required for the degree program to raise their graduation GPA to the required level of 2.3.
- Students who take part of the final ★60 at another postsecondary institution must seek approval of the Associate Dean (Undergraduate Student Services).
- To qualify for the notation "With Distinction" on their parchment, students must achieve a graduation GPA of 3.5.

BMus/BEd (Secondary) Combined Degrees Program

- To qualify for the Bachelor of Music/Bachelor of Education (Secondary) Combined Degrees Program, students must successfully complete relevant curriculum requirements, the promotion, final year and residence requirements, and receive the recommendation of the Department of Music, the Faculty of Arts, and the Faculty of Education.
- Degrees With Distinction shall be awarded to students who achieve a grade point average of 3.5 or more, both on all of the units of course weight credited to the program and on all of the units of course weight in Music. In the case that transfer or other students have attempted, as part of their program, courses at other institution, the Degree "With Distinction" will be awarded at the discretion of the Faculties.

BKin/BEd (Elementary) (Secondary) Combined Degrees Program

Regulations for the Bachelor of Kinesiology/Bachelor of Education (Elementary) (Secondary) Combined Degrees Program are the same as those for the Bachelor of Education degree (see BEd and BEd (After Degree)).

BSc in Human Ecology/BEd (Secondary) Combined Degrees Program

Regulations for the Bachelor of Science in Human Ecology/Bachelor of Education (Secondary) Combined Degrees Program are the same as those for the Bachelor of Education degree (see BEd and BEd (After Degree)).

BA (Drama)/BEEd Combined Degrees Program

1. To qualify for the Bachelor of Arts (Drama) /Bachelor of Education Combined Degrees, students must successfully complete relevant curriculum requirements, meet the promotion, final year and residence requirements, and receive the recommendation from both the Faculty of Arts and the Faculty of Education.
2. Degrees With Distinction shall be awarded to students who achieve an average of at least 3.5 or better on the last ★90 of their programs completed at the University of Alberta, including failed courses but excluding any courses not credited to the degree. If the last ★90 of the program at the University of Alberta do not fall exactly within a given Fall/Winter or Spring/Summer, a weighted average is used. Please contact the Undergraduate Student Services Office in the Faculty of Arts or Education for further information.

Bachelor of Science (BSc)/Bachelor of Education (BEEd) (Secondary) Combined Degrees Program (Augustana)

1. To receive the Bachelor of Science (BSc)/Bachelor of Education (BEEd) (Secondary) Combined Degrees (Augustana), a student must successfully complete all requirements of the degrees program.
2. The graduation average is calculated on the most recent ★90 credits and must be at least 2.3 on all courses with numeric grades that are credited towards the program.
3. A Major GPA of at least 2.3 has been achieved, calculated over all courses in the Major Subject, but not including prerequisite and supporting courses.
4. Students may complete up to ★12 in addition to those required for the degree program to raise their graduation average to the required level of a 2.3.
5. To qualify for the notation of "With Distinction" on their parchment, students must have achieved a graduation GPA of a 3.5 or higher.

Special Faculty Regulations

1. Transfer from One Route to Another: Students who wish to change their route should consult Undergraduate Student Services. Route changes are possible, but students must meet all the requirements of the new route, which may involve additional coursework. Admission to the new route is on a competitive basis. Students wishing to change their Route must submit an Application for Readmission/Internal Transfer form to the Office of the Registrar.
2. Review of Programs: A student who has failed to complete the degree in 15 years, may have the program reviewed and, if necessary, rearranged according to prevailing requirements.
3. Attendance at Another Institution as a Visiting Student: Prior to registering in any course at another institution, all degree/diploma students in the Faculty of Education must apply to Undergraduate Student Services for permission. Approval may be granted for students who are:
 - a. registered in at least ★3 credits at the University of Alberta in the Fall Term;
 - b. in Satisfactory Standing (i.e., GPA of 2.0 or greater depending on the program) or have a minimum GPA of 2.7 if this request will result in a course overload.
 - c. Approval will not be granted if students have already received the maximum allowable transfer credits.

Teaching Certification

Alberta Teaching Certificates are issued by the Minister of Education and the Registrar, Teacher Certification and Development, Alberta Education. The Faculty of Education recommends for certification those students who have completed the necessary requirements and are Canadian citizens or individuals lawfully admitted to Canada for permanent residence.

Students attending the University of Alberta on a Study Permit who successfully complete the Bachelor of Education program, may apply to Citizenship and Immigration Canada for a work permit. Upon receipt of a valid work permit, they may apply to Alberta Education for the Alberta Interim Professional Certificate.

To be recommended for an Alberta Teaching Certificate, a student must have completed a Bachelor of Education degree and ★48 of Education courses.

All persons applying for certification as a teacher in Alberta will be subject to the following restrictions on eligibility:

Except where the Minister of Education decides otherwise, the Registrar, Teacher Certification and Development at Alberta Education may not issue a teaching certificate to:

1. A person who has been convicted of an indictable offence under the Criminal Code; or
2. A person whom the Registrar, Teacher Certification and Development at Alberta Education has reason to believe should not be issued a certificate.

Applications for a teaching certificate shall be directed to the Registrar, Teacher Certification and Development at Alberta Education. As part of the application process, applicants will be asked whether they possess a criminal conviction. If the response is yes, the nature of the conviction and when and where they were convicted must be detailed.

The Registrar, Teacher Certification and Development at Alberta Education shall refuse to issue a teaching certificate to any applicant possessing an indictable criminal conviction. The Registrar, Teacher Certification and Development at Alberta Education may refuse to issue a teaching certificate to an applicant possessing a criminal conviction of a nature deemed unsuitable for teaching children or for any other reason. Applicants may appeal the decision of the Registrar to a Certification Appeal Committee established by the Minister. Appeals must be made in writing within 30 days of being advised of the Registrar's (Teacher Certification and Development at Alberta Education) decision not to issue a certificate.

Professional Standards

Students' performance and behavior in the classroom on campus and while student teaching in the schools are subject to the guidelines laid out in the Code of Student Behavior available on the University Governance website at www.governance.ualberta.ca, the Practicum Intervention Policy, and the Alberta Teachers' Association Code of Professional Conduct.

Police Information Check

Students should be aware that under the Protection for Persons in Care Act, all new employees, volunteers and other people engaged for services by designated agencies (hospitals, nursing homes, lodges, group homes, etc.) must complete a Police Information Check (also known as a Criminal Record Check, Security Clearance Check, or Police Clearance), which must include a Vulnerable Sector Check. In addition, certain other agencies, organizations, and educational facilities may require students to present a Police Information Check prior to entering a practicum, work placement term, internship, or field experience placement.

Students who have concerns related to their ability to provide a clear Police Information Check should consult with the Undergraduate Student Services. Students will be informed of the need for a Police Information Check prior to specific internship/practicum/work experience placement. See Requirement for Police Information Checks for more information on the general requirements concerning Police Information Check and the fees associated with them.

Field Experience Placements and Professional Practice

The Dean, or Designate acting on behalf of the Dean, may immediately deny assignment of a student or withdraw a student from, or vary terms, conditions or site of a field experience placement if the Dean or Designate has reasonable grounds to believe that this is necessary in order to protect the Public Interest. Refer to Practicum Intervention Policy for additional information.

Courses

Faculty of Education courses are listed in Course Listings, under the following subject headings:

- Education - (EDU)
- Education - Adult Education (EDAE)
- Education - Career and Technology Studies (EDCT)
- Education - Elementary (Curriculum and Pedagogy) (EDEL)
- Education - Elementary and Secondary (Curriculum and Instruction Common Courses) (EDES)
- Education - Field Experience (EDFX)
- Education - Instructional Technology (EDIT)
- Education - Policy Studies (EDPS)
- Education - Psychology (EDPY)
- Education - Secondary (Curriculum and Teaching) (EDSE)

Programs

After Degree Program

Applicants having a first undergraduate degree may apply to the BEd After Degree in either the Elementary or Secondary Route.

After Degree Routes

BEd (After Degree) Elementary Education Route

Program Requirements:

The Elementary After Degree is based on ★54 - ★60 Education Course Requirements and additional Program Completion Requirements. Requirements completed prior to admission may reduce the length of the program.

Education Course Requirements (★30) (See Note 1)

- EDU 300 - Contexts of Education
- EDU 210 - Introduction to Educational Technology
- EDU 211 - Aboriginal Education and Contexts for Professional and Personal Engagement
- EDEL 305 - Language Arts in the Elementary School
- EDEL 316 - Communication Through Mathematics Education
- EDEL (300-Level) (★3)
- EDEL (400-Level) (★3)
- EDPS 410 - Ethics and Law in Teaching
- EDPY 302 - Learning and Development in Childhood
- Education Elective (★3)

Field Experience Terms

Introductory Professional Term (★15) (See Note 2)

- EDPY 303 - Educational Assessment
- EDFX 325 - Elementary Route: Introductory Field Experience

★6 chosen from

- EDEL 302 - Curriculum and Pedagogy in Elementary School Art
- EDEL 305 - Language Arts in the Elementary School
- EDEL 316 - Communication Through Mathematics Education
- EDEL 321 - Introduction to Curriculum and Pedagogy in Elementary School Physical Education
- EDEL 325 - Curriculum and Pedagogy in Elementary School Music
- EDEL 330 - Curriculum and Pedagogy in Elementary School Science
- EDEL 335 - Curriculum and Pedagogy in Elementary School Social Studies

Note Only one of EDEL 305 or EDEL 316 may be taken within the Introductory Professional Term.

As EDEL 305 and EDEL 316 are pre/corequisites to the EDEL 302, EDEL 321, EDEL 325, EDEL 330, EDEL 335 and EDFX 325 courses, students must take at least one of EDEL 305 or EDEL 316 in Year 3 prior to the Introductory Professional Term.

Advanced Professional Term (★15) (See Note 2)

- EDPY 301 - Introduction to Inclusive Education: Adapting Classroom Instruction for Students with Special Needs
- EDFX 425 - Elementary Route: Advanced Field Experience

★3 chosen from

- EDEL 302 - Curriculum and Pedagogy in Elementary School Art
- EDEL 321 - Introduction to Curriculum and Pedagogy in Elementary School Physical Education
- EDEL 325 - Curriculum and Pedagogy in Elementary School Music
- EDEL 330 - Curriculum and Pedagogy in Elementary School Science
- EDEL 335 - Curriculum and Pedagogy in Elementary School Social Studies

Program Completion Requirements

Students who have not met the following requirements in their previous degree will need to fulfil them prior to obtaining their BEd degree:

- ★6 in English Literature and Composition
- ★3 in Mathematics

Notes

1. Students should be aware of course prerequisites and refer to their individual program sheets for the proper sequencing of courses.
2. Courses taken in the Field Experience Terms are normally taken concurrently.

BEd (After Degree) Secondary Education Route

Program Requirements:

The Secondary After Degree is based on ★48 - ★54 of Education Course Requirements and additional Program Completion Requirements. Requirements completed prior to admission may reduce the length of the program.

Education Course Requirements (★24) (See Note 1)

- EDU 300 - Contexts of Education
- EDU 210 - Introduction to Educational Technology
- EDU 211 - Aboriginal Education and Contexts for Professional and Personal Engagement
- EDSE 3XX (★3) Curriculum and Teaching for Secondary School Minors (See Note 3)
- EDPS 410 - Ethics and Law in Teaching
- EDPY 301 - Introduction to Inclusive Education: Adapting Classroom Instruction for Students with Special Needs
- EDPY 304 - Adolescent Development and Learning
- Education Elective (★3)

Field Experience Terms

Introductory Professional Term (★15) (See Note 2)

- EDFX 350 - Secondary Route Field Experience for the Introductory Professional Term
- EDPY 303 - Educational Assessment
- EDSE 307 - Language, Literacy and Society in Educational Contexts
- EDSE 3XX (★3) Curriculum and Teaching for Secondary School Majors I (See Note 4)

Advanced Professional Term (★15) (See Note 2)

- EDFX 450 - Secondary Route: Advanced Field Experience
- EDSE 451 - Integrating Theory and Classroom Practice in the Advanced Professional Term
- EDSE 4XX (★3) Curriculum and Teaching for Secondary School Majors II (See Note 5)

Program Completion Requirements

Students who have not met the following requirements in their previous degree will need to fulfil them prior to obtaining their BEd degree:

- ★6 in English/French Literature and Composition
- ★36 in the major teaching subject. Eligible Majors may be selected from Education Chart 1.
- ★9-18 in the minor teaching subject. Eligible Minors may be selected from Education Chart 2.

Notes

1. Students should be aware of course prerequisites and refer to their individual program sheets for the proper sequencing of courses.
2. Courses taken in the Field Experience Terms are normally taken concurrently.
3. ★9 in the minor teaching subject is a prerequisite for EDSE 3XX. See Education Chart 2 for the specific EDSE 3XX course required.
4. ★9 in the major teaching subject are prerequisites for the Introductory Professional Term. See Education Chart 1 for the specific EDSE 3XX course required.
5. ★24 in the major teaching subject and the Introductory Professional Term are prerequisites for the Advanced Professional Term. See Education Chart 1 for the specific EDSE 4XX course required.

Degree of BEd

Underlying Principles

The following principles underlie all teacher preparation programs:

1. The education of a teacher is a continuous, life-long process. In addition to emphasizing basic or fundamental preparation, the initial pre-service experience should aid the development of attitudes that encourage self-evaluation and improvement, and the acquisition of knowledge and skills that facilitate life-long learning.
2. All teacher preparation degree programs provide intending teachers with essential practical skills, a knowledge of theory and its relationship to practice, liberal studies, and subject-matter competence.
3. The Faculty of Education is committed to providing quality teacher preparation programs and recognizes the importance of continuously monitoring, evaluating and refining its offerings to adequately reflect changes in society and advances in knowledge.
4. The Bachelor of Education degree consists of a minimum of ★120.

Program Planning

The Faculty of Education provides students with an official program outline when they are admitted. Using this, students are expected to be able to identify remaining course requirements for their particular degree program.

Students are responsible for being acquainted with all applicable regulations and meeting the requirements for the degree as outlined. Any exceptions to the requirements must be approved in writing by the Associate Dean (Undergraduate Student Services) with one copy to be placed in the student's file and one to be given to the student.

Note: Students enrolled in the Bachelor of Education (After Degree) should consult Bachelor of Education Programs for Holders of Approved Degrees for program details.

Routes

Elementary Education Route

General Information

The Department of Elementary Education prepares teachers to teach all subjects and to facilitate the learning of all children at the elementary school level within our multicultural society. Teaching proficiency depends on knowledge of subject matter, pedagogy, critical thinking and problemsolving skills, professional ethics, sensitivity to and respect for children and the sociocultural contexts in which they live, and an understanding of schooling in their social/political/economic environment. Developing attributes, fostering a sense of community, and developing a strong professional commitment reflected in a personal philosophy of education are the intent of the Department of Elementary Education.

Components of the Program

All students in the Elementary Route are enrolled in a generalist program that prepares prospective teachers in the required elementary school subjects. This degree consists of ★120. Students should consult the program sheet provided at admission and seek advice from the Faculty of Education Undergraduate Student Services Office.

Program Requirements (★120)

Years 1 and 2

Education Courses (★9)

- Note: It is recommended that students take all three Education courses of Years 1 and 2 prior to registration in Year 3 of the program.
- EDU 100 - Contexts of Education
- EDU 210 - Introduction to Educational Technology
- EDU 211 - Aboriginal Education and Contexts for Professional and Personal Engagement

Non-Education Elements Courses (★51)

- Note: Students must take at least ★42 of the Non-Education Elements coursework (a - h above) of Years 1 and 2 prior to registration in Year 3 of the program.

Chosen from the following eight areas:

a. Aboriginal and Indigenous Histories and Culture (★3)

★3 chosen from

- ANTHR 150 - Race and Racism
- ANTHR 207 - Introduction to Social and Cultural Anthropology
- ANTHR 323
- ANTHR 350 - Kinship and Social Structure
- ANTHR 385 - Topics in Social Cultural Anthropology
- ANTHR 393 - Health and Healing
- ANTHR 401 - Ethnographic Methods
- ANTHR 422
- ANTHR 424 - Visual Anthropology
- ANTHR 436
- ANTHR 438
- HECOL 201 - Introduction to Material Culture
- HECOL 462 - Material Culture in Home and Community
- HIST 368 - History of the Native Peoples of Canada to 1867
- HIST 369 - History of the Native Peoples of Canada Since 1867
- NS 110 - Historical Perspectives in Native Studies
- NS 111 - Contemporary Perspectives in Native Studies
- NS 152 - Introductory Cree
- NS 200 - Aboriginal Canada: Looking Forward/Looking Back
- NS 260 - Contemporary Native Art
- NS 300 - Traditional Cultural Foundations I
- NS 314 - History of Indians of Western Canada
- NS 320 - Aboriginal Governments and Politics
- POL S 327 - Aboriginal Peoples and Politics in Canada
- SOC 100 - Introductory Sociology
- SOC 367 - Knowledge and Human Society

b. Fine Arts (★6)

★6 chosen from

- Art
- Art History (Canadian Art History preferred)
- Dance
- Design
- Drama
- Music
- NS 260
- HECOL 201
- INT D 439

c. Language/Literature (★9)

★6 chosen from

- English
- WRS
- ★3 chosen from
- Senior English
- Linguistics

d. Mathematics (★6)

★6 chosen from

- Mathematics
- Statistics
- MATH 160 and MATH 260 recommended

Up to ★3 may be chosen from

- CMPUT
- KIN 109 - Statistics, Measurement, and Evaluation
- PSYCO 212 - Introduction to Research Methods in Psychology
- SOC 210 - Introduction to Social Statistics or equivalent
- e. Natural Science (★6)

A minimum of ★3 chosen from

- ANAT
- ASTRO
- BIOL
- BOT

- CHEM
- EAS
- ENCS
- ENT
- GEOPHYS
- GENET
- MICRB
- PHYS
- PHYSL
- PLSC
- RENR
- ZOOL
- NUTR 100 - Nutrition and Wellbeing
- NURS 140 - Anatomy
- NURS 150 - Physiology
- NURS 151 - Physiology II
- KIN 100 - Human Anatomy
- KIN 101 - Introduction to Human Physiology
- KIN 103 - Integrative Human Physiology
-
- PALEO 200 - Introduction to Dinosaurs in the Fossil Record **OR**
- PALEO 201 - Dinosaurs in the Fossil Record

★3 chosen from the list above or from

- HIST 293 - History of Science, Technology and Medicine: Key Moments
- HIST 294 - An Introduction to the History of Sciences, Technology, and Medicine
- PHIL 217 - Biology, Society, and Values
- PHIL 265 - Philosophy of Science
- STS 200 - Introduction to Studies in Science, Technology and Society

f. Physical and Health Education (★6)

★3 chosen from

- DAC
- KIN
- KIN 293 recommended
- PAC
- ★3 chosen from
- ANTHR 393 - Health and Healing
- HECOL 200
- HECOL 210 - Intimate Relationships
- HECOL 211 - Human Sexuality
- HECOL 310 - Parent-Child Relationships
- HE ED 110 - Introduction to Personal Health and Well-Being
- HE ED 220 - Introduction to the Biological Aspects of Fitness to Health
- SOC 271 - Introduction to the Family

g. Social Science (★6)

- As specified below:

★3 in Canadian history chosen from:

- HIST 260 - Pre-Confederation Canada
- HIST 261 - Post-Confederation Canada
- HIST 287 - The Chinese in Canada and Canadians in China
- HIST 350
- HIST 358
- HIST 359 - Canadian Environmental History
- HIST 360 - Topics in Canadian History
- HIST 362 - History of Alberta
- HIST 365 - The Canadian West to 1885
- HIST 366 - The Canadian West Since 1885
- HIST 367
- HIST 368 - History of the Native Peoples of Canada to 1867
- HIST 369 - History of the Native Peoples of Canada Since 1867
- HIST 371 - History of Women in Canadian Society
- HIST 374
- HIST 375
- HIST 376 - Canada 1900 to 1945
- HIST 377 - Canada Since 1945

★3 chosen from:

- ANTHR 101 - Introductory Anthropology
- ANTHR 110 - Gender, Age, and Culture
- ANTHR 150 - Race and Racism
- ANTHR 206 - Introduction to Archaeology
- ANTHR 207 - Introduction to Social and Cultural Anthropology

- CLASS 103 - Introduction to Ancient Greece
- ECON 101 - Introduction to Microeconomics
- ECON 102 - Introduction to Macroeconomics
- HGP 100 - Introduction to Human Geography and Planning
- HGP 240 - Cities and Urbanism
- HGP 250 - Natural Resources and Environmental Management
- HGP 252 - Human Dimensions of Environmental Hazards
- HGP 341 - Social and Cultural Geography
- HGP 381 - Topics In Human Geography and Planning
- HIST 128 - War, Revolution, and Society
- HIST 237 - The Pacific World Since 1500
- HIST 260 - Pre-Confederation Canada
- HIST 261 - Post-Confederation Canada
- HIST 287 - The Chinese in Canada and Canadians in China
- HIST 289 - Introduction to Classical India
- HIST 296 - World War Two
- HIST 301 - Europe in the Age of Total War, 1890-1945
- HIST 350
- HIST 358
- HIST 359 - Canadian Environmental History
- HIST 360 - Topics in Canadian History
- HIST 362 - History of Alberta
- HIST 365 - The Canadian West to 1885
- HIST 366 - The Canadian West Since 1885
- HIST 367
- HIST 368 - History of the Native Peoples of Canada to 1867
- HIST 369 - History of the Native Peoples of Canada Since 1867
- HIST 371 - History of Women in Canadian Society
- HIST 374
- HIST 375
- HIST 376 - Canada 1900 to 1945
- HIST 377 - Canada Since 1945
- NS 110 - Historical Perspectives in Native Studies
- NS 111 - Contemporary Perspectives in Native Studies
- NS 200 - Aboriginal Canada: Looking Forward/Looking Back
- NS 240 - Introduction to Aboriginal Legal Issues
- NS 260 - Contemporary Native Art
- NS 300 - Traditional Cultural Foundations I
- NS 314 - History of Indians of Western Canada
- NS 320 - Aboriginal Governments and Politics
- NS 335 - Native People and the Fur Trade
- NS 355 - Native Oral Traditions and Indigenous Knowledge
- NS 361
- NS 362 - Aboriginal Women
- NS 370 - The Métis: The Emergence of a People
- PHIL 101 - Introduction to Philosophy: Values and Society
- PHIL 102 - Introduction to Philosophy: Knowledge and Reality
- PHIL 125 - Practical Logic
- PHIL 270 - Political Philosophy
- PHIL 355 - Environmental Ethics
- PHIL 357 - Philosophy of Religion
- PHIL 368 - Topics in Social Justice
- POL S: any POL S except POL S 321, POL S 424;
- RELIG 212 - Christian Traditions
- RELIG 220 - Introducing Islam, from Prophetic Origins to World Tradition
- RELIG 322
- RELIG 379
- SOC 101
- SOC 203 - Social Problems
- SOC 269 - Introductory Sociology of Globalization
- SOC 301 - Sociology of Gender
- SOC 327 - Criminal Justice Administration in Canada
- WGS

h. Non-Education Options (★9)

- These ★9 can be used to further develop teaching interests in specific areas.

Year 3

Notes:

1. EDEL 305 and EDEL 316 must be taken in year 3 as pre/co-requisites to EDFX 325.
2. EDEL 305 is normally offered in Fall term. Enrolment in EDEL 305 in Winter term will require consent of the department (see Bear Tracks).

Fall Term: Course Requirements

- EDPY 302
- EDEL 305 or EDEL 316
- ★3 chosen from EDEL 302, EDEL 305, EDEL 316, EDEL 321, EDEL 325, EDEL 330, EDEL 335
- Open Option (★6) [★3 EDEL (300-Level) Recommended]

Winter Term: Introductory Professional Term

- EDFX 325
- ★6 chosen from EDEL 302, EDEL 305, EDEL 316, EDEL 321, EDEL 325, EDEL 330, EDEL 335
- EDPY 303

Year 4**Fall Term: Advanced Professional Term**

- EDFX 425
- ★3 chosen from EDEL 302, EDEL 321, EDEL 325, EDEL 330, EDEL 335
- EDPY 301

Winter Term: Course Requirements

- EDPS 410 - Ethics and Law in Teaching
- EDEL (300-Level) Option (★3)
- EDEL (400-Level) Option (★3)
- Education Elective (★3)
- Open Option (★3) (Education Coursework Recommended)

3. Major teaching subject (★36)**4. Minor teaching subject (★18)****5. Open Options (★6) (★3 of Education Coursework Recommended)****Years 3 and 4**

Students should refer to their individual Program Sheets for proper course sequencing.

Course Requirements (★15)

- EDPS 410 - Ethics and Law in Teaching
- EDPY 301 - Introduction to Inclusive Education: Adapting Classroom Instruction for Students with Special Needs
- EDPY 304 - Adolescent Development and Learning
- Education Elective (★3)
- EDSE 3XX (★3) Curriculum and Teaching for Secondary School Minors (see Note 1).

Field Experience Terms

- Courses taken in the Field Experience Terms are normally taken concurrently.

Introductory Professional Term (★15) (see Note 2)

- EDPY 303 - Educational Assessment
- EDSE 307 - Language, Literacy and Society in Educational Contexts
- EDSE 3XX (★3) Curriculum and Teaching for Secondary School Majors I
- EDFX 350 - Secondary Route Field Experience for the Introductory Professional Term

Advanced Professional Term (★15) (see Note 3)

- EDSE 451 - Integrating Theory and Classroom Practice in the Advanced Professional Term
- EDSE 4XX (★3) Curriculum and Teaching for Secondary School Majors II
- EDFX 450 - Secondary Route: Advanced Field Experience

Notes

1. ★9 in the minor teaching subject is a prerequisite for EDSE 3XX. See Education Chart 2 for the specific EDSE 3XX course required.
2. ★9 in the major teaching subject and Year 3 Education courses are prerequisites for the Introductory Professional Term. See Education Chart 1 for the specific EDSE 3XX course required.
3. ★24 in the major teaching subject and the Introductory Professional Term are prerequisites for the Advanced Professional Term. See Education Chart 1 for the specific EDSE 4XX course required.

Some Majors may be completed more efficiently by taking specific courses in the first year(s) of study. Students should examine the specific course requirements of each Major when considering their choices. Students should complete the remaining required courses for their Major teaching subject as outlined in Education Chart 1.

Note: In addition to the ★36 of Non-Education courses that comprise the Major, ★9 of Curriculum and Teaching courses are associated with the Major which address the program of studies and the processes that facilitate students' learning.

Some Minors may be completed more efficiently by taking specific courses in the first year(s) of study. Students should examine the specific course requirements of each Minor when considering their choices. Students should complete the remaining required courses for their Minor teaching subject as outlined in Education Chart 2.

Note: In addition to the ★18 of Non-Education courses that comprise the Minor, ★3 of Curriculum and Teaching courses are associated with the Minor which also address the program of studies and the processes that facilitate students' learning.

Notes

1. Students who fulfil the requirement for ★6 in English/French Literature and Composition as part of their Major or Minor (e.g., in English Language Arts or French) may take 6 of open options in lieu of the Literature and Composition requirement.
2. Students enrolled in Field Experience courses should note the following:
 - a. Final examinations in concurrent lecture courses may be scheduled outside designated examination weeks.
 - b. Students may be required to student teach during designated examination weeks.

Secondary Education Route

General Information

The Secondary Education route includes 14 weeks of student teaching. Students enrol in the Introductory Professional Term (5 weeks of student teaching) and the Advanced Professional Term (9 weeks of student teaching).

Students in the Introductory Professional Term usually teach in their Major subject specialization, while students enrolled in the Advanced Professional Term usually teach in their Major subject specialization, with a possibility of teaching in their Minor subject specialization.

Components of the Program

All students in the Secondary Route must choose a Major teaching subject (★36) and a Minor teaching subject (★18) which prepares them for teaching in specific subjects of school instruction. Available Majors are listed in Education Chart 1, and available Minors are listed in Education Chart 2. Students pursuing the Secondary Route are strongly encouraged to take the following components as early as possible in their program: ★6 in English/French Literature and Composition, EDU 100, EDU 210, EDU 211, at least ★9 in the Major teaching subject, at least ★9 in the Minor teaching subject all of which are required for later professional terms.

Program Requirements (★120)

Years 1, 2 and 3**1. Education Courses (★9)**

- Note: It is recommended that students take all three Education courses of Years 1 and 2 prior to registration in Year 3 of the program.
- EDU 100 - Contexts of Education
- EDU 210 - Introduction to Educational Technology
- EDU 211 - Aboriginal Education and Contexts for Professional and Personal Engagement

2. English/French Literature and Composition (★6)

- Note: Select approved courses from CLASS 102, CLASS 221, Comparative Literature (C LIT), English (ENGL), FREN 301, FREN 311, FREN 312, FREN 313, FREN 314, FREN 380, FREN 462, FREN 463, FREN 464, FREN 467, FREN 468 or Writing Studies (WRS).

- c. Reading Week (Winter Term) may be moved to coincide with school systems' Spring Break.

Career and Technology Studies

Career and Technology Studies (CTS) is an Alberta Education program consisting of numerous one credit courses within five clusters:

1. Business, Administration, Finance, and IT (BIT);
2. Health, Recreation, and Human Sciences (HRH);
3. Media, Design, and Communication Arts (MDC);
4. Natural Resources (NAT); and
5. Trades, Manufacturing, and Transportation (TMT).

Each cluster is a pathway. Specialized and credentialed pathways are available to Alberta's senior high students.

In the CTS curriculum area, there are 10 majors and 10 minors. Students cannot enrol in both a major and a minor in CTS.

The 10 majors and minors are:

1. CTS: Business, Administration, Finance (BIT)
2. CTS: Computing Science (BIT)
3. CTS: Health (HRH)
4. CTS: Recreation (HRH)
5. CTS: Human Sciences (HRH)

Note: Previously known as Human Ecology: Community Health, Fashion Studies and Foods

6. CTS: Media (MDC)
7. CTS: Design (MDC)
8. CTS: Communication Arts (MDC)
9. CTS: Natural Resources (NAT)
10. CTS: Trades, Manufacturing and Transportation (TMT)

CTS Majors (★36): See Education Chart 1: CTS Major programs for course requirements.

Students must take EDSE 317 during the IPT*, which is normally offered in the Fall Term only.

Students must take EDSE 417 and EDSE 451 during the APT**, which are normally offered in the Winter Term only.

Note: For students granted up to ★30 advanced standing (e.g., provincial and federal journey certification or two-year diploma) refer to Education Chart 1 Requirements for Major Teaching Subject in the Secondary Education Route for required courses. Contact the Department of Secondary Education for more information.

CTS Minors (★18): See Education Chart 2: CTS Minor programs for course requirements.

Students must take EDSE 318. It is normally offered in the Fall Term only.

CTS BEd After Degree: See § of the University of Alberta Calendar

Note: BSc in Human Ecology/BEd (Secondary) Combined Degrees: See BSc in Human Ecology and BSc in Human Ecology/BEd (Secondary) Combined Degrees and BSc in Human Ecology/BEd (Secondary) Combined Degrees [Education] of the University of Alberta Calendar.

Education Chart 1 Requirements for Major Teaching Subject in the Secondary Education Route

Art (★36)

Requirements

- ART 134 - Art Fundamentals
- DES 135 - Design Fundamentals

★6 chosen from

- HADVC 101 **AND** HADVC 102
- **OR**
- HADVC 202 **AND** HADVC 256

★12 to ★18 chosen from

- ART
- ART H
- DES

- EDES 402 (Art Camp)

★6 to ★12 chosen from

- EDIT 488 - Instructional Technology and Communication
- HECOL 250 - Design Studies and Practice
- NS 260 - Contemporary Native Art
- PHIL 280 - Philosophy of Art
- PSYCO 495 - Psychology of Aesthetics
- SOC 461 - Sociology of Art
- or any FS, ART, or DES

Notes

HADVC 301, HADVC 309, and HADVC 456 are recommended

Students must take EDSE 312 during the IPT*, which is normally offered in the Fall Term only.

Students must take EDSE 412 and EDSE 451 during the APT**, which is normally offered in the Winter Term only.

* Introductory Professional Term

** Advanced Professional Term

Art (★36) at Augustana

Requirements

Note: Students may complete the requirements for the Art major by completing courses offered at the Augustana campus in Camrose, Alberta.

- AUART 111 - Studio Foundation I
- AUART 112 **OR** AUART 113
- AUART 101 - Introduction to the History of Art I
- AUART 102 - Introduction to the History of Art II
- AUART 231 - Drawing I
- AUART 232 - Drawing II
- AUART 271 - Painting I
- AUART 272 - Painting II
- AUART 215 - Sculpture I

★9 chosen from any

- AUART
- AUPHI 365 - Aesthetics
- AUCLA 291 - Greek Art and Archaeology
- AUCLA 293 - Selected Topics in Greek and Roman Art and Archaeology

Notes

1. Students must take EDSE 312 during the IPT*, which is normally offered in the Fall Term only.
2. Students must take EDSE 412 and EDSE 451 during the APT**, which is normally offered in the Winter Term only.

* Introductory Professional Term

** Advanced Professional Term

Biological Sciences (★36)

Notes:

1. Introductory Biology courses should be taken in the first year(s) of study.
2. MATH 153, MATH 160, MATH 253, and MATH 260 are not eligible courses.
3. Because of the nature of school sciences, courses in Chemistry and Physics are recommended.

Requirements

- BIOL 107 - Introduction to Cell Biology
- BIOL 108 - Introduction to Biological Diversity
- BIOL 207 - Molecular Genetics and Heredity
- BIOL 208 - Principles of Ecology
- BOT 205 - Fundamentals of Plant Biology
- ★3 to ★6 chosen from
- PHYSL 212 - Human Physiology I
- PHYSL 214 - Human Physiology II
- ZOO 241 - Animal Physiology I: Homeostasis
- ZOO 242 - Animal Physiology II: Intercellular Communication
- ★3 to ★6 chosen from
- ANTHR 230 - Anthropology of Science, Technology, and Environment
- BIOL 315 - Biology: An Historical Perspective
- CHRTC 350 - Science and Religion: Christian Perspectives

- CHRTC 352 - Bioethical Issues: Christian Perspectives
- CLASS 294 - Ancient Science, Technology, and Medicine
- HIST 115 - Technology and History
- HIST 294 - An Introduction to the History of Sciences, Technology, and Medicine
- HIST 391 - History of Technology
- HIST 394 - History of Astronomy and Cosmology from Stonehenge to the Space Age
- HIST 396
- HIST 397 - History of Science I
- HIST 398 - History of Science II
- HIST 496 - Topics in the History of Science
- PHIL 217 - Biology, Society, and Values
- PHIL 265 - Philosophy of Science
- PHIL 317 - Philosophy of Biology
- PHIL 375 - Science and Society
- PHYS 261 - Physics of Energy
- STS 200 - Introduction to Studies in Science, Technology and Society
- WGS 250 - Gender and Science

★9 to ★15 but with no more than ★9 in each of

- Astronomy
- Biochemistry
- Biological Sciences (including Botany, Forestry, Genetics, Microbiology, Soils and Zoology)
- Chemistry
- Environmental Sciences [EAS (Faculty of Science), ENCS, REN R]
- Mathematics
- Physics

Notes

Students must take EDSE 355 during the IPT*, which is normally offered in both the Fall and Winter Terms. Students must take EDSE 455 and EDSE 451 during the APT**, which is normally offered in both the Fall and Winter Terms.

* Introductory Professional Term

** Advanced Professional Term

Career and Technology Studies: Business, Administration, Finance (BIT) (★36)

Note See overview of Career and Technology Studies Majors and Minors.

Requirements

- ACCTG 300 or ACCTG 311
- B LAW 301 - Legal Foundations of the Canadian Economy
- ECON 101 - Introduction to Microeconomics
- ECON 102 - Introduction to Macroeconomics
- EDSE 495 - Curriculum and Teaching in Secondary School Career Education

★6 chosen from

- CMPUT 174 - Introduction to the Foundations of Computation I
- CMPUT 175 - Introduction to the Foundations of Computation II
- MIS 311 - Management Information Systems

★6 chosen from

- FIN 301 - Introduction to Finance
- MARK 301 - Introduction to Marketing
- SMO 301 - Behavior in Organizations
- SMO 430 - Introduction to Small Business Management

★3 to ★6 chosen from

- MATH 114 - Elementary Calculus I
- STAT 151 - Introduction to Applied Statistics I

★3 to ★6 chosen from

- Education Chart 2 Career and Technology Studies Minor Requirements (recommend EDCT or EDIT courses)

OR

Requirements

- Note: Up to ★30 Advanced Standing can be granted for relevant provincial and federal journey certification, degree, or two-year certificate or diploma in Career and Technology Studies major categories. Contact the Department of Secondary Education for more information.
- EDSE 495 - Curriculum and Teaching in Secondary School Career Educa-

tion

★3 chosen from

- Education Chart 2 Career and Technology Studies Minor Requirements

★30 Advanced Standing

- For a minimum two-year certificate or diploma, applicable provincial or federal journey certification, or degree required. Contact the Department of Secondary Education for more information.

Notes

Students must take EDSE 317 during the IPT*, which is normally offered in the Fall Term only.

Students must take EDSE 417 and EDSE 451 during the APT**, which is normally offered in the Winter Term only.

* Introductory Professional Term

** Advanced Professional Term

Career and Technology Studies: Computer Science (BIT) (★36)

Note See overview of Career and Technology Studies Majors and Minors.

Requirements

Note: Prerequisites for higher level CMPUT courses must be considered when choosing courses.

- CMPUT 174 - Introduction to the Foundations of Computation I
- CMPUT 175 - Introduction to the Foundations of Computation II

★6 chosen from

- (See Note)
- CMPUT 201 - Practical Programming Methodology
- CMPUT 204 - Algorithms I
- CMPUT 229 - Computer Organization and Architecture I
- CMPUT 272 - Formal Systems and Logic in Computing Science
- CMPUT 291 - Introduction to File and Database Management

★12 chosen from

- senior level CMPUT

★3

- EDSE 495 - Curriculum and Teaching in Secondary School Career Education

★3 to ★6 chosen from

- MATH 114 - Elementary Calculus I
- MATH 115 - Elementary Calculus II
- MATH 120
- MATH 125 - Linear Algebra I
- STAT 151 - Introduction to Applied Statistics I

★3 to ★6 chosen from

- Education Chart 2 Career and Technology Studies Minor Requirements (recommend EDCT or EDIT courses)

OR

Requirements

- Note: Up to ★30 Advanced Standing can be granted for relevant provincial and federal journey certification, degree, or two-year certificate or diploma in Career and Technology Studies major categories. Contact the Department of Secondary Education for more information
- EDSE 495 - Curriculum and Teaching in Secondary School Career Education

★3 chosen from

- Education Chart 2 Career and Technology Studies Minor Requirements

★30 Advanced Standing

- For a minimum two-year certificate or diploma, applicable provincial or federal journey certification, or degree required. Contact the Department of Secondary Education for more information.

Notes

Students must take EDSE 317 during the IPT*, which is normally offered in the Fall Term only.

Students must take EDSE 417 and EDSE 451 during the APT**, which is normally offered in the Winter Term only.

* Introductory Professional Term

** Advanced Professional Term

Career and Technology Studies: Health (HRH) (★36)

Note: See overview of Career and Technology Studies Majors and Minors.

Requirements

Note: Up to ★30 Advanced Standing can be granted for relevant provincial and federal journey certification, degree, or two-year certificate or diploma in Career and Technology Studies major categories. Contact the Department of Secondary Education for more information.

• EDSE 495 - Curriculum and Teaching in Secondary School Career Education

★3 chosen from

• Education Chart 2 Career and Technology Studies Minor Requirements

★30 Advanced Standing

• For a minimum two-year certificate or diploma, applicable provincial or federal journey certification, or degree required. Contact the Department of Secondary Education for more information.

Notes

Students must take EDSE 317 during the IPT*, which is normally offered in the Fall Term only.

Students must take EDSE 417 and EDSE 451 during the APT**, which is normally offered in the Winter Term only.

* Introductory Professional Term

** Advanced Professional Term

Career and Technology Studies: Recreation (HRH) (★36)

Note: See overview of Career and Technology Studies Majors and Minors.

Requirements

Note: Up to ★30 Advanced Standing can be granted for relevant provincial and federal journey certification, degree, or two-year certificate or diploma in Career and Technology Studies major categories. Contact the Department of Secondary Education for more information.

EDSE 495 - Curriculum and Teaching in Secondary School Career Education

★3 chosen from

Education Chart 2 Career and Technology Studies Minor Requirements

★30 Advanced Standing

For a minimum two-year certificate or diploma, applicable provincial or federal journey certification, or degree required. Contact the Department of Secondary Education for more information.

Notes

Students must take EDSE 317 during the IPT*, which is normally offered in the Fall Term only.

Students must take EDSE 417 and EDSE 451 during the APT**, which is normally offered in the Winter Term only.

* Introductory Professional Term

** Advanced Professional Term

Career and Technology Studies: Human Sciences (HRH) (★36)

Notes

- Previously known as Human Ecology: Community Health, Fashion Studies, and Foods
- See overview of Career and Technology Studies Majors and Minors.

Requirements

- EDSE 495 - Curriculum and Teaching in Secondary School Career Education
- HE ED 110 - Introduction to Personal Health and Well-Being
- HECOL 100 - Introduction to Principles and Practice in Human Ecology

- NU FS 100 - Introduction to Food Science and Technology
- NU FS 200 - Introduction to Functional Foods and Nutraceuticals
- NU FS 223 - The Cultural Ecology of Food and Health
- NUTR 100 - Nutrition and Wellbeing

★3 chosen from

- AREC 173 - The Plate, the Planet and Society
- R SOC 271 - The Politics of Food and Natural Resources
- senior level EDCT

★12 chosen from

- Education Chart 2 Career and Technology Studies Minor Requirements

OR

Requirements

- ART 134 - Art Fundamentals
- DES 135 - Design Fundamentals
- EDSE 495 - Curriculum and Teaching in Secondary School Career Education
- HECOL 201 - Introduction to Material Culture
- HECOL 250 - Design Studies and Practice
- HECOL 254 - Apparel Design and Construction Fundamentals
- ★3 chosen from HECOL 333, HECOL 454 or HECOL 464
- HECOL 354 - Apparel Design and Product Development I
- ★12 chosen from
- Education Chart 2 Career and Technology Studies Minor Requirements

OR

Requirements

Note: Up to ★30 Advanced Standing can be granted for relevant provincial and federal journey certification, degree, or two-year certificate or diploma in Career and Technology Studies major categories. Contact the Department of Secondary Education for more information.

• EDSE 495 - Curriculum and Teaching in Secondary School Career Education

★3 chosen from

• Education Chart 2 Career and Technology Studies Minor Requirements

★30 Advanced Standing

• For a minimum two-year certificate or diploma, applicable provincial or federal journey certification, or degree required. Contact the Department of Secondary Education for more information.

Notes

Students must take EDSE 317 during the IPT*, which is normally offered in the Fall Term only.

Students must take EDSE 417 and EDSE 451 during the APT**, which is normally offered in the Winter Term only.

* Introductory Professional Term

** Advanced Professional Term

Career and Technology Studies: Media (MDC) (★36)

Note: See overview of Career and Technology Studies Majors and Minors.

Requirements

Note: Up to ★30 Advanced Standing can be granted for relevant provincial and federal journey certification, degree, or two-year certificate or diploma in Career and Technology Studies major categories. Contact the Department of Secondary Education for more information.

• EDSE 495 - Curriculum and Teaching in Secondary School Career Education

★3 chosen from

• Education Chart 2 Career and Technology Studies Minor Requirements

★30 Advanced Standing

• For a minimum two-year certificate or diploma, or applicable provincial or federal journey certification, or degree required. Contact the Department of Secondary Education for more information.

Notes

Students must take EDSE 317 during the IPT*, which is normally offered in the Fall Term only.

Students must take EDSE 417 and EDSE 451 during the APT**, which is normally offered in the Winter Term only.

* Introductory Professional Term

** Advanced Professional Term

Career and Technology Studies: Design (MDC) (★36)

Note: See overview of Career and Technology Studies Majors and Minors.

Requirements

Note: Up to ★30 Advanced Standing can be granted for relevant provincial and federal journey certification, degree, or two-year certificate or diploma in Career and Technology Studies major categories. Contact the Department of Secondary Education for more information.

- EDSE 495 - Curriculum and Teaching in Secondary School Career Education

★3 chosen from

- Education Chart 2 Career and Technology Studies Minor Requirements

★30 Advanced Standing

- For a minimum two-year certificate or diploma, applicable provincial or federal journey certification, or degree required. Contact the Department of Secondary Education for more information.

Notes

Students must take EDSE 317 during the IPT*, which is normally offered in the Fall Term only.

Students must take EDSE 417 and EDSE 451 during the APT**, which is normally offered in the Winter Term only.

* Introductory Professional Term

** Advanced Professional Term

Career and Technology Studies: Communication Arts (MDC) (★36)

Requirements

Note: Up to ★30 Advanced Standing can be granted for relevant provincial and federal journey certification, degree, or two-year certificate or diploma in Career and Technology Studies major categories. Contact the Department of Secondary Education for more information.

- EDSE 495 - Curriculum and Teaching in Secondary School Career Education

★3 chosen from

- Education Chart 2 Career and Technology Studies Minor Requirements

★30 Advanced Standing

- For a minimum two-year certificate or diploma, applicable provincial or federal journey certification, or degree required. Contact the Department of Secondary Education for more information.

Notes

Students must take EDSE 317 during the IPT*, which is normally offered in the Fall Term only.

Students must take EDSE 417 and EDSE 451 during the APT**, which is normally offered in the Winter Term only.

* Introductory Professional Term

** Advanced Professional Term

Career and Technology Studies: Natural Resources (NAT) (★36)

- Note: Agriculture, Forestry, Oil and Gas
- See overview of Career and Technology Studies Majors and Minors.

Requirements

Note: Up to ★30 Advanced Standing can be granted for relevant provincial and federal journey certification, degree, or two-year certificate or diploma in Career and Technology Studies major categories. Contact the Department of Secondary Education for more information.

- EDSE 495 - Curriculum and Teaching in Secondary School Career Education

★3 chosen from

Education Chart 2 Career and Technology Studies Minor Requirements

★30 Advanced Standing

- For a minimum two-year certificate or diploma, applicable provincial or federal journey certification, or degree required. Contact the Department of Secondary Education for more information.

Notes

Students must take EDSE 317 during the IPT*, which is normally offered in the Fall Term only.

Students must take EDSE 417 and EDSE 451 during the APT**, which is normally offered in the Winter Term only.

* Introductory Professional Term

** Advanced Professional Term

Career and Technology Studies: Trades, Manufacturing, and Transportation (TMT) (★36)

Note See overview of Career and Technology Studies Majors and Minors.

Requirements

- ★3 senior level EDCT
- EDCT 400 - Conference Seminar Construction Technology (★3)
- EDCT 400 - Conference Seminar Career and Technology Junior High Organization and Content (★6)
- EDCT 400 - Conference Seminar Fabrication Studies (★3)
- EDCT 400 - Conference Seminar Mechanics (★3)
- EDSE 495 - Curriculum and Teaching in Secondary School Career Education

★12 chosen from

- Education Chart 2 Career and Technology Studies Minor Requirements

OR

Requirements

Note: Up to ★30 Advanced Standing can be granted for relevant provincial and federal journey certification, or two-year diploma in Career and Technology major categories. Contact the Department of Secondary Education for more information.

- EDSE 495 - Curriculum and Teaching in Secondary School Career Education

★3 chosen from

- Education Chart 2 Career and Technology Studies Minor Requirements

★30 Advanced Standing

- For a minimum two-year certificate or diploma, applicable provincial or federal journey certification, or degree required. Contact the Department of Secondary Education for more information.

Notes

Students must take EDSE 317 during the IPT*, which is normally offered in the Fall Term only.

Students must take EDSE 417 and EDSE 451 during the APT**, which is normally offered in the Winter Term only.

* Introductory Professional Term

** Advanced Professional Term

Chemistry (★36)

Notes:

1. Introductory Chemistry courses should be taken in the first year(s) of study.
2. MATH 153, MATH 160, MATH 253, and MATH 260 are not eligible Mathematics courses.
3. Because of the nature of school sciences, courses in Biology and Physics are recommended.

Requirements

- CHEM 101 - Introductory University Chemistry I
- CHEM 102 - Introductory University Chemistry II
- CHEM 261 - Organic Chemistry I
- CHEM 263 - Organic Chemistry II

★6 in senior

- Chemistry
- Biochemistry

★3 to ★6 chosen from

- ANTHR 230 - Anthropology of Science, Technology, and Environment
- BIOL 315 - Biology: An Historical Perspective
- CHRTC 350 - Science and Religion: Christian Perspectives
- CHRTC 352 - Bioethical Issues: Christian Perspectives
- CLASS 294 - Ancient Science, Technology, and Medicine
- HIST 115 - Technology and History
- HIST 294 - An Introduction to the History of Sciences, Technology, and Medicine
- HIST 391 - History of Technology
- HIST 394 - History of Astronomy and Cosmology from Stonehenge to the Space Age
- HIST 396
- HIST 397 - History of Science I
- HIST 398 - History of Science II
- HIST 496 - Topics in the History of Science
- PHIL 217 - Biology, Society, and Values
- PHIL 265 - Philosophy of Science
- PHIL 317 - Philosophy of Biology
- PHIL 375 - Science and Society
- PHYS 261 - Physics of Energy
- STS 200 - Introduction to Studies in Science, Technology and Society
- WGS 250 - Gender and Science

★12 to ★15 but with no more than ★9 in each of

- Astronomy
- Biochemistry
- Biological Sciences (including Botany, Forestry, Genetics, Microbiology, Soils and Zoology)
- Chemistry
- [EAS (Faculty of Science), ENCS, REN R]
- Mathematics
- Physics

Notes

Students must take EDSE 355 during the IPT*, which is normally offered in both the Fall and Winter Terms.

Students must take EDSE 451 and EDSE 455 during the APT**, which is normally offered in both the Fall and Winter Terms.

* Introductory Professional Term

** Advanced Professional Term

Drama (★36)**Requirements**

- DRAMA 103 - Critical Analysis of Playtexts
- DRAMA 150 - Introduction to Dramatic Process
- DRAMA 302 - Modern Canadian Theatre
- DRAMA 240 - Oral Communication and Interpretation
- DRAMA 257 - Scene Study I
- DRAMA 259 - Performer-Created Theatre
- DRAMA 279 - Introduction to Stagecraft and Design
- DRAMA 383 - Introduction to Directing

Note: The above ★24 must be taken before registering in the APT**.

Another ★12 are to be chosen based on the following:**Minimum of ★3 from**

- DRAMA 203 - Performance Analysis
- DRAMA 208 - Theatre History I
- DRAMA 305
- DRAMA 306 - Historical Approaches to Western Dramatic and Theatrical Theories
- DRAMA 308 - Theatre History II: Modern Theatre
- DRAMA 409 - Contemporary Theatre

Minimum of ★3 from

- DRAMA 307 - Studies in Drama I
- DRAMA 327 - Community-Based Theatre
- DRAMA 331 - Movement and Physical Theatre

- DRAMA 357 - Scene Study II
- DRAMA 361 - Playwriting
- DRAMA 391 - Production Lab I
- DANCE 340 - Modern Dance

Minimum of ★3 from

- Note: DRAMA 391 is prerequisite for many 400-level courses.
- DRAMA 427 - Topics in Community Based and Applied Theatre
- DRAMA 452 - Solo Performance
- DRAMA 453 - Physical Comedy
- DRAMA 454 - Performance Creation
- DRAMA 457 - Production/Performance
- DRAMA 483 - Elements of Directing
- DRAMA 492 - Running Crew Projects
- DRAMA 507 - Senior Projects
- EDSE 401 - Conference Seminar (drama focus) or another approved 400-level course in the practice of theatre.

Another ★3

- to be chosen from any of the three categories above

Notes

Students must take EDSE 322 during the IPT*, which is normally offered in the Fall Term only.

Students must take EDSE 422 and EDSE 451 during the APT**, which is normally offered in the Winter Term only.

* Introductory Professional Term

** Advanced Professional Term

English Language Arts (★36)**Notes:**

1. Students in the first year(s) of study should register in ★6 from ENGL 102, ENGL 103, ENGL 125 or WRS 101 and may also register in ★3 or ★6 from CLASS 102; C LIT 171 or C LIT 172; LING 101, LING 102.
2. No more than ★12 in this Major may be taken at the 100-level and no more than ★6 of the ★12 credits in 100 level English.

★6 Junior English

- ENGL 102 - Introduction to Critical Analysis
- ENGL 103 - Case Studies in Research
- ENGL 125 - Aboriginal Writing
- **OR**
- ★3 Junior English and WRS 101

★6 in

- Not ENGL 212 or ENGL 299
- senior level ENGL
- ENGL 308, ENGL 309, ENGL 338, ENGL 339 recommended

★6 in Composition and Language chosen from

- ENGL 212 - Introduction to the English Language
- ENGL 299 - Essay Writing for Education Students
- ENGL 300 - Social and Cultural History of the English Language
- LING
- WRITE
- senior level WRS
- EDSE 430 - Teaching Composition, Language and Culture to Adolescents

★3 in Canadian Literature chosen from

- C LIT 372
- ENGL 309 - Aboriginal/Indigenous Literature: Literary Movements
- ENGL 373 - Canadian Literature and Culture: Writing and Colonization
- ENGL 374 - Canadian Literature and Culture: Early 20th-Century Texts
- ENGL 375 - Canadian Literature and Culture: Reading Canadian Cultures
- ENGL 376 - Canadian Literature and Culture: Late 20th-Century Texts
- ENGL 377 - Canadian Literature and Culture: Canadian Drama and Performance
- ENGL 378 - Canadian Literature and Culture: Contemporary Cultural Texts
- ENGL 380 - Canadian Literature and Culture: Reading the Local

★6 in Literature prior to 1900

- ENGL 320-354

★3 in Film and Media Studies chosen from

- CHRTC 341 - Contemporary Film and Christian Values

- C LIT 228 - Literature, Popular Culture, and the Visual Arts
- C LIT 352 - Literature and the Other Arts
- any FS course
- GERM 225 - Germany on Screen
- SOC 344 - Media Culture and Society

★6 chosen from senior level courses in

- C LIT
- ENGL
- WRITE
- WRS
- CLASS 102 - Greek and Roman Mythology
- CLASS 221 - Literature of Greece and Rome
- CLASS 321 - Literature and Culture of the Greek World
- CLASS 322 - Literature and Culture of the Roman World
- DRAMA 149 - Dramatic Process I
- DRAMA 247 - Introduction to Oral Communication
- DRAMA 249
- DRAMA 331 - Movement and Physical Theatre
- DRAMA 361 - Playwriting
- DRAMA 409 - Contemporary Theatre
- DRAMA 461
- EDSE 430 - Teaching Composition, Language and Culture to Adolescents
- any FS course
- LIS 403 - Survey of Young Adult Materials
- LIS 404 - Comic Books and Graphic Novels in School and Public Libraries
- LIS 405 - Canadian Children's Literature for Young People in Schools and Libraries

Notes

Students must take EDSE 327 during the IPT*, which is normally offered in both the Fall and Winter Terms.

Students must take EDSE 427 and EDSE 451 during the APT**, which is normally offered in both the Fall and Winter Terms.

* Introductory Professional Term

** Advanced Professional Term

General Sciences (★36)

Notes:

1. Introductory science courses should be taken in the first year(s) of study.
2. MATH 153, MATH 160, MATH 253, and MATH 260 are not eligible Mathematics courses.

Requirements

- BIOL 107 - Introduction to Cell Biology
- BIOL 108 - Introduction to Biological Diversity
- CHEM 101 - Introductory University Chemistry I
- CHEM 102 - Introductory University Chemistry II
-
- PHYS 124 **AND** PHYS 126
- **OR**
- PHYS 144 **AND** PHYS 146

★3 to ★6 chosen from

- ANTHR 230 - Anthropology of Science, Technology, and Environment
- BIOL 315 - Biology: An Historical Perspective
- CHRTC 350 - Science and Religion: Christian Perspectives
- CHRTC 352 - Bioethical Issues: Christian Perspectives
- CLASS 294 - Ancient Science, Technology, and Medicine
- HIST 115 - Technology and History
- HIST 294 - An Introduction to the History of Sciences, Technology, and Medicine
- HIST 391 - History of Technology
- HIST 394 - History of Astronomy and Cosmology from Stonehenge to the Space Age
- HIST 396
- HIST 397 - History of Science I
- HIST 398 - History of Science II
- HIST 496 - Topics in the History of Science
- PHIL 217 - Biology, Society, and Values
- PHIL 265 - Philosophy of Science
- PHIL 317 - Philosophy of Biology
- PHIL 375 - Science and Society
- PHYS 261 - Physics of Energy

- STS 200 - Introduction to Studies in Science, Technology and Society
- WGS 250 - Gender and Science

★12 to ★15 but with no more than ★9 in each of

- Astronomy
- Biochemistry
- Biological Sciences (including Botany, Forestry, Genetics, Microbiology, Soils and Zoology)
- Chemistry
- Environmental Sciences [EAS (Faculty of Science), ENCS, REN R]
- Mathematics
- Physics

Notes

Students must take EDSE 355 during the IPT*, which is normally offered in both the Fall and Winter Terms.

Students must take EDSE 451 and EDSE 455 during the APT**, which is normally offered in both the Fall and Winter Terms.

* Introductory Professional Term

** Advanced Professional Term

Mathematics (★36)

Requirements

- MATH 114 - Elementary Calculus I
- MATH 115 - Elementary Calculus II
- MATH 125 - Linear Algebra I
- MATH 228 - Algebra: Introduction to Ring Theory
- MATH 241 - Geometry
- MATH 222 or MATH 243
- STAT 151 - Introduction to Applied Statistics I

★15 chosen from

- COMPUT 101 - Introduction to Computing
- COMPUT 174 - Introduction to the Foundations of Computation I
- EDSE 439 - Specialized Methods in Secondary School Mathematics Teaching
- EDSE 442 - The Use of Computers in the Teaching and Learning of Mathematics
- MATH 153 - Elementary Theory of Interest
- MATH 214 - Intermediate Calculus I
- MATH 215 - Intermediate Calculus II
- MATH 222 - Introduction to Discrete Mathematics
- MATH 225 - Linear Algebra II
- MATH 243 - Transformation Geometry
- MATH 322 - Graph Theory
- MATH 324 - Elementary Number Theory
- MATH 341 - Geometry of Convex Sets
- MATH 343 - Projective and Inversive Geometries
- MATH 421 - Combinatorics
- MATH 422 - Coding Theory
- PHYS 124 - Particles and Waves
- or any senior Mathematics or Computing Science courses
- or any approved senior Science course

Notes

Students must take EDSE 337 during the IPT*, which is normally offered in both the Fall and Winter Terms.

Students must take EDSE 437 and EDSE 451 during the APT**, which is normally offered in the Winter Term only.

* Introductory Professional Term

** Advanced Professional Term

Music: Wind Band (★36)

Notes:

1. MUSIC 124 or MUSIC 126, MUSIC 151, MUSIC 155, MUSIC 156 are normally taken in the first year(s) of study.
2. Entry to MUSIC 151, MUSIC 155, MUSIC 156, normally depends upon demonstrated theoretical competence. Students must contact the Department of Music to arrange for a time for the theory placement examination.

3. Entry to MUSIC 124 or MUSIC 126 depends on the successful passing of an audition during February, preceding the student's first year. Students must contact the Department of Music to arrange for an audition date.

Requirements

- MUSIC 101 - Introduction to Western Art Music
-
- MUSIC 124 - Applied Music **OR**
- MUSIC 126 - Applied Music
-
- MUSIC 151 - Aural and Keyboard Skills I
- MUSIC 155 - Music Theory I
- MUSIC 156 - Music Theory II
- MUSIC 213 - Woodwind Techniques
- MUSIC 214 - Brass Techniques
- MUSIC 215 - Percussion Techniques
- MUSIC 230 - Choral Techniques and Pedagogy
- MUSIC 315 - Introduction to Conducting

★3 from

- MUSIC 140 - Choral Ensemble
- MUSIC 141 - Instrumental Ensemble
- MUSIC 149 - Jazz Ensembles

★3 from

- Any MUSIC, EDEL, EDSE, or EDES course with a Music focus.

Notes

MUSIC 213, MUSIC 214, and MUSIC 315 above must be taken before registering in EDSE 343

Students must take EDSE 343 during the IPT*, which is normally offered in the Fall Term only.

Students must take EDSE 443 and EDSE 451 during the APT**, which is normally offered in the Winter Term only.

* Introductory Professional Term

** Advanced Professional Term

Physical Education (★36)

Notes:

1. A variety of PAC/DAC courses outside personal level of expertise is recommended.
2. PAC 110 or aquatics competency highly recommended
3. PAC 365 (Gymnastics) may be preferred.
4. CPR Certification is highly recommended
5. KIN 207, KIN 294, and KIN 391 should be taken in Year 1 and 2.

Requirements

- PERLS 105 - Introduction to the Management of Sport, Physical Activity and Recreation Programs
- KIN 207 - Physical Growth and Psychomotor Development
- KIN 294 - A Conceptual Approach to Physical Activity
- KIN 391 - Introduction to Human Anatomy and Physiology

★3 chosen from

- HE ED 110 - Introduction to Personal Health and Well-Being
- HE ED 220 - Introduction to the Biological Aspects of Fitness to Health

★21 chosen from

The five activity dimensions (a,b,c,d,e) listed below. Select a minimum of ★3 from each of the dimensions a to e, with no more than ★6 from any one dimension.

a. Alternative Environments:

- PAC 110 - Instruction of the Basics of Aquatics
- PAC 182 - Instruction of the Basics of Indoor Wall Climbing
- PAC 310 - Coaching Aquatics
- KIN 205 - Introduction to Outdoor Environmental Education

b. Dance:

- DAC 197 - Selected Topics in Dance
- DAC 199 - Directed Studies
- DANCE 200 - The Spectrum of Dance in Society
- DANCE 340 - Modern Dance

- DANCE 446 - Modern Dance Composition

c. Games:

- PAC 111 - Instruction of the Basics of Basketball
- PAC 112 - Instruction of the Basics of Field Hockey
- PAC 113 - Instruction of the Basics of Football
- PAC 114 - Instruction of the Basics of Ice Hockey
- PAC 117 - Instruction of the Basics of Rugby
- PAC 118 - Instruction of the Basics of Soccer
- PAC 131 - Instruction of the Basics of Badminton
- PAC 133 - Instruction of the Basics of Squash
- PAC 135 - Instruction of the Basics of Tennis
- PAC 137 - Instruction of the Basics of Volleyball
- PAC 140
- PAC 145 - Instruction of the Basics of Golf
- PAC 183 - Instruction of the Basics of Curling
- PAC 197 - Selected Topics in Physical Activity - Level I
- PAC 199 - Directed Studies
- PAC 311 - Coaching Basketball
- PAC 313 - Coaching Football
- PAC 314 - Coaching Ice Hockey
- PAC 318 - Coaching Soccer
- PAC 320 - Structure and Strategy of Games
- PAC 325 - The Study of Games for Children and Youth
- PAC 333 - Coaching Squash
- PAC 335 - Coaching Tennis
- PAC 337 - Coaching Volleyball
- PAC 345 - Coaching Golf

d. Gymnastics:

- PAC 160 - Instruction of the Basics of Gymnastics
- PAC 360 - Coaching Gymnastics
- PAC 365 - The Study of Gymnastics for Children and Youth

e. Individual Activities:

- PAC 154 - Instruction of the Basics of Wrestling
- PAC 156 - Instruction of the Basics of Yoga
- PAC 173 - Instruction of the Basics of Athletics (Track and Field)
- PAC 174 - Instruction of the Basics of Athletics (Track and Field)
- PAC 181
- PAC 197 - Selected Topics in Physical Activity - Level I
- PAC 199 - Directed Studies
- PAC 354 - Coaching Wrestling
- PAC 356 - Yoga for Stress Management

Notes

Students must take EDSE 347 during the IPT*, which is normally offered in both the Fall and Winter Terms.

Students must take EDSE 447 and EDSE 451 during the APT**, which is normally offered in both the Fall and Winter Terms.

* Introductory Professional Term

** Advanced Professional Term

Physical Sciences (★36)

Notes:

1. Introductory Chemistry and Physics courses should be taken in the first year(s) of study.
2. MATH 153, MATH 160, MATH 253, and MATH 260 are not eligible Mathematics courses.
3. Because of the nature of school sciences, courses in Biology are recommended.

Requirements

- CHEM 101 - Introductory University Chemistry I
- CHEM 102 - Introductory University Chemistry II

★6

- PHYS 124 **AND** PHYS 126
- **OR**
- PHYS 144 **AND** PHYS 146

★6 in

- senior Chemistry
- CHEM 261/CHEM 263 recommended

★6 chosen from

- PHYS 208 - Aspects of Modern Physics
- PHYS 261 - Physics of Energy
- PHYS 271 - Introduction to Modern Physics
- PHYS 294 - General Physics Laboratory
- PHYS 297 - Classic Experiments in Physics

★3 to ★6 chosen from

- ANTHR 230 - Anthropology of Science, Technology, and Environment
- BIOL 315 - Biology: An Historical Perspective
- CHRTC 350 - Science and Religion: Christian Perspectives
- CHRTC 352 - Bioethical Issues: Christian Perspectives
- CLASS 294 - Ancient Science, Technology, and Medicine
- HIST 115 - Technology and History
- HIST 294 - An Introduction to the History of Sciences, Technology, and Medicine
- HIST 391 - History of Technology
- HIST 394 - History of Astronomy and Cosmology from Stonehenge to the Space Age
- HIST 396
- HIST 397 - History of Science I
- HIST 398 - History of Science II
- HIST 496 - Topics in the History of Science
- PHIL 217 - Biology, Society, and Values
- PHIL 265 - Philosophy of Science
- PHIL 317 - Philosophy of Biology
- PHIL 375 - Science and Society
- PHYS 261 - Physics of Energy
- STS 200 - Introduction to Studies in Science, Technology and Society
- WGS 250 - Gender and Science

★6 to ★9 but no more than ★9 in each

- Astronomy
- Biochemistry
- Biological Sciences (including Botany, Forestry, Genetics, Microbiology, Soils and Zoology)
- Chemistry
- Environmental Sciences [EAS (Faculty of Science), ENCS, REN R]
- Mathematics
- Physics

Notes

Students must take EDSE 355 during the IPT*, which is normally offered in both the Fall and Winter Terms.

Students must take EDSE 455 and EDSE 451 during the APT**, which is normally offered in both the Fall and Winter Terms.

Physics (★36)**Notes:**

1. Introductory Physics courses should be taken in the first year(s) of study.
2. MATH 153, MATH 160, MATH 253, and MATH 260 are not eligible Mathematics courses.
3. Because of the nature of school sciences, courses in Biology and Chemistry are recommended.

Requirements**★6**

- PHYS 124 **AND** PHYS 126
- **OR**
- PHYS 144 **AND** PHYS 146

★12 in

- senior level Physics
- PHYS 208 or PHYS 271 and any of PHYS 261, PHYS 294, PHYS 297 are recommended

★3 to ★6 chosen from

- ANTHR 230 - Anthropology of Science, Technology, and Environment
- BIOL 315 - Biology: An Historical Perspective
- CHRTC 350 - Science and Religion: Christian Perspectives
- CHRTC 352 - Bioethical Issues: Christian Perspectives
- CLASS 294 - Ancient Science, Technology, and Medicine
- HIST 115 - Technology and History
- HIST 294 - An Introduction to the History of Sciences, Technology, and

Medicine

- HIST 391 - History of Technology
- HIST 394 - History of Astronomy and Cosmology from Stonehenge to the Space Age
- HIST 396
- HIST 397 - History of Science I
- HIST 398 - History of Science II
- HIST 496 - Topics in the History of Science
- PHIL 217 - Biology, Society, and Values
- PHIL 265 - Philosophy of Science
- PHIL 317 - Philosophy of Biology
- PHIL 375 - Science and Society
- PHYS 261 - Physics of Energy
- STS 200 - Introduction to Studies in Science, Technology and Society
- WGS 250 - Gender and Science

★12 to ★15 but with no more than ★9 in each of

- Astronomy
- Biochemistry
- Biological Sciences (including Botany, Forestry, Genetics, Microbiology, Soils and Zoology)
- Chemistry
- Environmental Sciences [EAS (Faculty of Science), ENCS, REN R]
- Mathematics
- Physics

Notes

Students must take EDSE 355 during the IPT*, which is normally offered in both the Fall and Winter Terms.

Students must take EDSE 455 and EDSE 451 during the APT**, which is normally offered in both the Fall and Winter Terms.

* Introductory Professional Term

** Advanced Professional Term

Second Languages: Other (★36)

It may be possible to arrange a program for students who intend to teach a language other than those listed here which is offered in the school system. Interested students should consult the Second Languages Advisor.

Second Languages: Cree (★36)**Requirements**

- ★18 to ★21 in Language Courses chosen from
- NS 105
- NS 152 - Introductory Cree
- NS 153
- NS 252 - Intermediate Cree
- NS 352 - Advanced Cree

★9 in Culture chosen from

- NS 200 - Aboriginal Canada: Looking Forward/Looking Back
- NS 260 - Contemporary Native Art
- NS 300 - Traditional Cultural Foundations I
- NS 314 - History of Indians of Western Canada
- NS 355 - Native Oral Traditions and Indigenous Knowledge
- NS 400

★6 to ★9 chosen from

- ANTHR 150 - Race and Racism
- EDPS 411 - Cross Cultural Studies in Education
- EDPS 432 - The Education of Native Peoples in Canada: An Historical Study
- EDPS 474 - Contemporary Issues in the Education of Native Peoples: A Social Science Perspective
- HIST 368 - History of the Native Peoples of Canada to 1867
- HIST 369 - History of the Native Peoples of Canada Since 1867
- LING 101 - Introduction to Linguistic Analysis
- LING 320 - Second Language Acquisition
- LING 324 - Endangered Languages
- NS 280 - Selected Topics in Native Studies
- NS 320 - Aboriginal Governments and Politics
- NS 330 - Native Economic Development
- NS 335 - Native People and the Fur Trade
- NS 370 - The Métis: The Emergence of a People
- NS 372 - Métis Politics

- NS 380 - Selected Topics in Native Studies
- NS 390 - Research Methods in Native Studies
- NS 403 - Selected Topics in Native Studies
- NS 404 - Selected Topics in Native Studies
- NS 405 - Selected Topics in International Indigenous Studies
- NS 440 - Indigenous Treaties and Agreements
- NS 441 - Indigenous Land Claims and Agreements
- NS 442
- NS 485
- POL S 327 - Aboriginal Peoples and Politics in Canada

Notes

Students must take EDSE 368 during the IPT*, which is normally offered in the Fall Term only.

Students must take EDSE 451 and EDSE 468 during the APT**, which is normally offered in Winter Term only.

* Introductory Professional Term

** Advanced Professional Term

Second Languages: French (★36)

Notes:

1. Students who have credit in French 30 should register in FREN 211, FREN 212. All others consult the subject area advisor.
2. Many courses offered by Faculté Saint-Jean may be credited toward your program. Consult subject area advisor

Requirements

★18 to ★24 in Language Courses chosen from

- FREN 211 - Intermediate French I
- FREN 212 - Intermediate French II
- FREN 254 - Introduction to Translation Theory and Practice: French-English-French
- FREN 297 **AND** FREN 298
- FREN 310 - Composition, Style and Expression
- FREN 354 - Translation: French into English
- FREN 355
- FREN 454 - Translation: English into French

★3 to ★6 in Linguistics chosen from

- FREN 371 - Language and Francophone Societies
- FREN 372 - French Phonetics
- FREN 473
- FREN 476
- LING 101 - Introduction to Linguistic Analysis
- LING 320 - Second Language Acquisition

★6 to ★9 in Literature chosen from

- FREN 301 - Introduction to French Literary Studies
- FREN 311 - Mystery, Myth, and Supernatural
- FREN 313 - Passions/Obsessions
- FREN 314 - Beauty/Aesthetics
- FREN 399 - Special Topics
- FREN 462 - Topics in Medieval and Early Modern Literature
- FREN 463 - Topics in Nineteenth-Century Literature
- FREN 464 - Topics in Twentieth-Century Literature
- FREN 465 - Caribbean Culture
- FREN 466
- FREN 467 - Women Writing in French
- FREN 468 - Topics in Quebec/French Canadian Literature

★3 to ★9 in Culture chosen from

- FREN 312 - Colonialism and Postcolonialism
- FREN 315 - Cultural Representations of Food
- FREN 316 - Belonging (Migration and Identity)
- FREN 333 - French Cultural Moments
- FREN 371 - Language and Francophone Societies
- FREN 445 - Contemporary Cinema in French
- FREN 499 - Special Topics

Notes

Students must take EDSE 368 during the IPT*, which is normally offered in the Fall Term only.

Students must take EDSE 451 and EDSE 468 during the APT**, which is normally offered in Winter Term only.

* Introductory Professional Term

** Advanced Professional Term

Second Languages: German (★36)

Requirements

★12 to ★18 in Language Courses chosen from

- GERM 111 - Beginners' German I
- GERM 112 - Beginners' German II
- GERM 211 - Intermediate German I
- GERM 212 - Intermediate German II
- GERM 303 - Advanced German I
- GERM 304 - Advanced German II
- GERM 342 - Introduction to Translation: German and English
- GERM 402
- GERM 404 - German for Business
- GERM 443 - Advanced Translation: German into English
- GERM 444 - Exercises in Translation: English into German

★6 to ★12 in Linguistic chosen from

- GERM 306 - German/English Phonetics and Phonology
- GERM 316 - Introduction to German Applied Linguistics
- GERM 317 - Teaching German as a Foreign Language
- GERM 409 - German Dialects
- GERM 416 - Second Language Acquisition: German
- GERM 417 - German Sociolinguistics
- GERM 492
- LING 101 - Introduction to Linguistic Analysis
- LING 320 - Second Language Acquisition

★6 to ★9 in Literature chosen from

- GERM 320 - From Masterpieces to Bestsellers
- GERM 340 - Introduction to the Study of Modern German Literature
- GERM 353 - Myths, Tales, and Legends
- GERM 450 - Authorship in Context
- GERM 451 - Genre, Text, Technique
- GERM 453 - Cultural and Literary Theories
- GERM 475

★3 to ★9 in Culture chosen from

- GERM 333
- GERM 343 - Postwar Cultures
- GERM 452 - History, Culture, and Periods of Representation
- GERM 454 - Gender and Sexuality
- GERM 455 - Media and Image

with a maximum of ★3 chosen from

- GERM 225 - Germany on Screen
- GERM 274 - The Culture and Civilization of Austria: An Introduction
- GERM 345 - The Holocaust in Literature, Image, and Film
- HIST 414 - Topics in the History of Modern Germany

Notes

Students must take EDSE 368 during the IPT*, which is normally offered in the Fall Term only.

Students must take EDSE 468 and EDSE 451 during the APT**, which is normally offered in the Winter Term only.

* Introductory Professional Term

** Advanced Professional Term

Second Languages: Italian (★36)

Requirements

★18 in Language Courses chosen from

- ITAL 111 - Beginners' Italian I
- ITAL 112 - Beginners' Italian II
- ITAL 211 - Second-Year Italian I
- ITAL 212 - Second-Year Italian II
- ITAL 393
- ITAL 425 - Translation

★3 in Linguistics chosen from

- LING 101 - Introduction to Linguistic Analysis
- LING 320 - Second Language Acquisition

★6 to ★9 in Literature chosen from

- ITAL 333
- ITAL 363 - Studies in Italian Literary Genres
- ITAL 375
- ITAL 415 - Studies in Italian Literature
- ITAL 419 - Topics in Italian Studies I
- ITAL 420

★3 to ★9 in Culture chosen from

- HADVC 101 - Introduction to the History of Art, Design, and Visual Culture I
- HADVC 102 - Introduction to the History of Art, Design, and Visual Culture II
- ART H 252
- CLASS 102 - Greek and Roman Mythology
- CLASS 221 - Literature of Greece and Rome
- CLASS 255 - Introduction to Roman Art and Archaeology
- ITAL 205 - Topics in Italian Studies
- ITAL 340 - Topics in Italian Culture

Notes

Students must take EDSE 368 during the IPT*, which is normally offered in the Fall Term only.

Students must take EDSE 451 and EDSE 468 during the APT**, which is normally offered in the Winter Term only.

* Introductory Professional Term

** Advanced Professional Term

Second Languages: Japanese (★36)**Requirements****★18 to ★21 in Language Courses chosen from**

- JAPAN 101 **AND** JAPAN 102 **OR** JAPAN 150
- JAPAN 201 - Basic Japanese III
- JAPAN 202 - Basic Japanese IV
- JAPAN 301 - Intermediate Japanese I
- JAPAN 302 - Intermediate Japanese II
- JAPAN 341 - Classical Japanese I
- JAPAN 401 - Advanced Japanese I
- JAPAN 402 - Advanced Japanese II
- JAPAN 429 - Japanese-English Translation

★6 in Linguistics chosen from

- EASIA 211 - Overview of the Japanese Language
- EASIA 315 - Introduction to Japanese Linguistics
- EASIA 316 - Japanese Sociolinguistics
- EASIA 415 - Japanese Linguistics
- EASIA 417
- LING 101 - Introduction to Linguistic Analysis
- LING 320 - Second Language Acquisition

★3 to ★9 in Literature chosen from

- EASIA 341 - Pre-Modern Japanese Literature in Translation
- EASIA 346 - Modern Japanese Literature in Translation
- EASIA 441 - Topics in Japanese Literary History
- EASIA 443
- EASIA 448 - Topics in Japanese Studies

★3 to ★6 in Culture chosen from

- ANTHR 208 - Introduction to Linguistic Anthropology
- ANTHR 485 - Topics in Social, Cultural and/or Linguistic Anthropology
- EASIA 240 - Overview of Japanese Culture
- EASIA 242 - The Samurai in Japanese Culture
- EASIA 260 - Popular Culture and Contemporary Japanese Society
- EASIA 343
- EASIA 344 - Tales of Two Japanese Cities
- HIST 381
- HIST 382 - Search for a Destiny: Japan's Modern Era, 1868-Present
- HIST 480
- RELIG 343 - Zen/Chan Buddhism

Notes

Students must take EDSE 368 during the IPT*, which is normally offered in the Fall Term only.

Students must take EDSE 451 and EDSE 468 during the APT**, which is normally offered in the Winter Term only.

* Introductory Professional Term

** Advanced Professional Term

Second Languages: Spanish (★36)**Requirements****★18 to ★24 in Language Courses chosen from**

- SPAN 111 - Beginners' Spanish I
- SPAN 112 - Beginners' Spanish II
- SPAN 211 - Intermediate Spanish I
- SPAN 212 - Intermediate Spanish II
- SPAN 300 - Advanced Spanish
- SPAN 306 - Spanish for Heritage Speakers
- SPAN 405 - Exercises in Translation: Spanish into English
- SPAN 406 - Exercises in Translation: English into Spanish
- SPAN 407 - Advanced Grammar and Composition
- SPAN 431

★3 to ★6 in Linguistics chosen from

- LING 101 - Introduction to Linguistic Analysis
- LING 320 - Second Language Acquisition
- SPAN 370 - The Sounds of Spanish
- SPAN 475 - Spanish in Society
- SPAN 476 - The Acquisition of Spanish

★6 to ★9 in Literature chosen from

- SPAN 320 - Introduction to Literary Analysis
- SPAN 321 - Foundational Fictions of Spanish America
- SPAN 326 - Hispanic Children's Literature
- SPAN 335 - The Spanish Caribbean
- SPAN 440 - Topics in Spanish Peninsular Literature and Culture
- SPAN 441 - Reading Colonial Culture
- SPAN 450 - Topics in Spanish-American Literature and Culture
- SPAN 455
- SPAN 460 - Self Portraits in Writing

★3 to ★6 in Culture chosen from

- SPAN 314 - Civilization and Culture of Spain
- SPAN 315 - Civilization and Culture of Latin America
- SPAN 325 - Introduction to Cinema
- SPAN 326 - Hispanic Children's Literature
- SPAN 341 - The 'Roaring Twenties' in Transatlantic Perspective
- SPAN 342
- SPAN 425 - Hispanic Filmmakers
- SPAN 452
- SPAN 456

Notes

Students must take EDSE 368 during the IPT*, which is normally offered in the Fall Term only.

Students must take EDSE 468 and EDSE 451 during the APT**, which is normally offered in the Winter Term only.

* Introductory Professional Term

** Advanced Professional Term

Second Languages: Ukrainian (★36)**Requirements****★18 to ★21 in Language Courses chosen from**

- UKR 111 - Beginners' Ukrainian I
- UKR 112 - Beginners' Ukrainian II
- UKR 211 - The Ukrainian-speaking World I
- UKR 212 - The Ukrainian-speaking World II
- UKR 300 **OR** UKR 303 **AND** UKR 304
- UKR 400
- UKR 403
- UKR 404

- UKR 406 - Business Ukrainian

★3 to ★6 in Linguistics chosen from

- LING 101 - Introduction to Linguistic Analysis
- LING 320 - Second Language Acquisition
- LING 499 - Special Topics in Linguistic Theory
- SLAV 401
- SLAV 420
- UKR 407
- UKR 411

★6 to ★9 in Literature chosen from

- SLAV 468 - Nikolai Gogol/Mykola Hohol'
- SLAV 469
- UKR 405
- UKR 415
- UKR 471
- UKR 472
- UKR 473
- UKR 474
- UKR 475 - Ukrainian Literature Today

★3 to ★6 in Culture chosen from

- HIST 312
- HIST 316
- HIST 317
- HIST 367
- HIST 415
- INT D 439 - Ukrainian Dance
- UKR 324 - Ukrainian Culture I
- UKR 325
- UKR 327 - Early Ukrainian-Canadian Culture
- UKR 424
- UKR 425
- UKR 426 - Ukrainian Calendar Customs
- UKR 427
- UKR 469

Notes

Students must take EDSE 368 during the IPT*, which is normally offered in the Fall Term only.

Students must take EDSE 451 and EDSE 468 during the APT**, which is normally offered in the Winter Term only.

* Introductory Professional Term

** Advanced Professional Term

Social Studies (★36)

Requirements

- ★12 in Canadian Studies

a. ★9 chosen from

- EDES 409 - Aboriginal Curriculum Perspectives
- HIST 260 - Pre-Confederation Canada
- HIST 261 - Post-Confederation Canada
- HIST 371 - History of Women in Canadian Society
- NS 110 - Historical Perspectives in Native Studies
- NS 111 - Contemporary Perspectives in Native Studies
- NS 200 - Aboriginal Canada: Looking Forward/Looking Back
- NS 300 - Traditional Cultural Foundations I
- NS 314 - History of Indians of Western Canada
- NS 370 - The Métis: The Emergence of a People
- POL S 221
- POL S 224 - Canadian Government
- POL S 225 - Canadian Politics
- POL S 235 - Introduction to Comparative Politics
- POL S 299 - Citizenship for Democracy

b. ★3 chosen from

- ANTHR 256 - Alberta Archaeology
- ECON 101 - Introduction to Microeconomics
- ECON 102 - Introduction to Macroeconomics
- HIST 360 - Topics in Canadian History
- HIST 361
- HIST 362 - History of Alberta
- HIST 365 - The Canadian West to 1885

- HIST 366 - The Canadian West Since 1885
- HIST 367
- HIST 368 - History of the Native Peoples of Canada to 1867
- HIST 369 - History of the Native Peoples of Canada Since 1867
- HIST 371 - History of Women in Canadian Society
- HIST 372
- HIST 374
- HIST 375
- HIST 376 - Canada 1900 to 1945
- HIST 377 - Canada Since 1945
- NS courses
- POL S 221
- POL S 299 - Citizenship for Democracy
- POL S 324 - Topics in Canadian Politics
- POL S 325
- SOC 251 - Population and Society
- SOC 260 - Inequality and Social Stratification
- SOC 363 - Sociology of Work and Industry
- SOC 377 - Sociology of Youth

★9 in World Studies

a. ★6 chosen from

- HIST 110 - The Pre-Modern World
- HIST 111 - The Early Modern World
- HIST 112 - The Modern World
- HIST 114 - The History of the World in the Last 10 Years
- HIST 116 - The Emergence of the Atlantic World
- HIST 119
- HIST 121 - Topics in Global History
- HIST 130 - Democracy, War and Consumer Capitalism: The Making of Modern Europe
- HIST 207 - Pre-Modern Europe I
- HIST 209
- HIST 210 - Europe in the 19th and 20th Centuries
- HIST 212 - Pre-Modern Europe II
- HIST 241 - Colonial Latin America
- HIST 242 - Modern Latin America
- HIST 246 - Africa from Medieval to Modern Times
- HIST 247 - Africa in the 20th and 21st Centuries: From Colonial Rule to Modern Nations
- HIST 251 - From the End of Slavery to the Present: American History Since 1865
- HIST 280 - East Asia to 1500
- HIST 281 - East Asia from 1500
- HIST 285 - China and the West
- HIST 297 - The History of Christianity
- HIST 382
- HIST 385 - Modern China

b. ★3 chosen from

- Christian Theology
- Economics
- Political Science
- Religious Studies

★9 in Cultural Studies

a. ★3 chosen from

- HGP (Faculty of Arts)

b. ★6 chosen from

- Anthropology
- Christian Theology
- Human Geography and Planning
- Native Studies
- Religious Studies
- Sociology
- ★6 in General Social Studies chosen from

Anthropology

- Christian Theology
- Classics
- History
- Human Geography and Planning
- Native Studies
- Philosophy

- Political Science
- Psychology
- Religious Studies
- Sociology

Notes

Students must take EDSE 373 during the IPT*, which is normally offered in both the Fall and Winter Terms.

Students must take EDSE 451 and EDSE 473 during the APT**, which is normally offered in both the Fall and Winter Terms.

* Introductory Professional Term

** Advanced Professional Term

Education Chart 2 Requirements for Minor Teaching Subject in the Secondary Education Route

Art (★18)

Requirements

- ART 134 - Art Fundamentals
- DES 135 - Design Fundamentals

★6 chosen from

- ART H 101 **AND** ART H 102
- **OR**
- ART H 206 **AND** ART H 256

★6 chosen from

- EDES 402 (Art Camp)
- HECOL 250 - Design Studies and Practice
- or courses from Art, Art History, or Design

Notes

1. ART H 301 and ART H 309 and ART H 456 are recommended.
2. Students must take EDSE 313 which is normally offered in the Fall Term only.

Biological Sciences (★18)

Requirements

- BIOL 107 - Introduction to Cell Biology
- BIOL 108 - Introduction to Biological Diversity
- BIOL 207 - Molecular Genetics and Heredity
- BIOL 208 - Principles of Ecology

★6 in

- Senior Biological Sciences

Notes

Students must take EDSE 356 which is normally offered in both the Fall and Winter Terms.

EDSE 356 is not open to students whose major is Biological Sciences, Chemistry, General Sciences, Physical Sciences or Physics. These students must either choose to register for another EDSE (Minor) provided they meet the course prerequisites, **OR** register in an additional Education Elective.

Career and Technology Studies: Business, Administration, Finance (BIT) (★18)

Note: See overview of Career and Technology Studies majors and minors.

Requirements

- ECON 101 - Introduction to Microeconomics
- ECON 102 - Introduction to Macroeconomics
- EDSE 495 - Curriculum and Teaching in Secondary School Career Education

★6 chosen from

- ACCTG 300 - Introduction to Accounting
- ACCTG 311 - Introduction to Accounting for Financial Performance
- B LAW 301 - Legal Foundations of the Canadian Economy
- or other courses offered by the Faculty of Business

★3 chosen

- CMPUT 174 - Introduction to the Foundations of Computation I
- MIS 311 - Management Information Systems
- or other computer related courses from CMPUT, EDCT or EDIT

Note: Students must take EDSE 318 which is normally offered in the Fall Term only.

Career and Technology Studies: Communication Arts (MDC) (E18)

Note: See overview of Career and Technology Studies majors and minors.

Requirements

- EDSE 495 - Curriculum and Teaching in Secondary School Career Education
- EDCT 400 - Conference Seminar (Communication Technology)

★3 to 6 chosen from

- ART 134 - Art Fundamentals
- DES 135 - Design Fundamentals
- DES 302 - Introduction to Visual Presentation I
- DES 393 - Foundations of Visual Communication Design I
- DES 394 - Foundations of Visual Communication Design II

★6 to 9 chosen from

- DRAMA 101 - Introduction to Theatre Art
- DRAMA 149 - Dramatic Process I
- DRAMA 208 - Theatre History I
- DRAMA 209
- DRAMA 302 - Modern Canadian Theatre
- DRAMA 327 - Community-Based Theatre
- any FS course(s)
- MUSIC 140 - Choral Ensemble
- MUSIC 141 - Instrumental Ensemble
- MUSIC 143 - Indian Music Ensemble I
- MUSIC 144 - West African Music Ensemble I
- MUSIC 148 - Middle Eastern and North African Music Ensemble I
- MUSIC 149 - Jazz Ensembles
- senior level EDCT
- senior level EDIT

Note: Students must take EDSE 318 which is normally offered in the Fall Term only.

Career and Technology Studies: Computing Science (BIT) (★18)

Note: See overview of Career and Technology Studies majors and minors.

Requirements

Note (1) Prerequisites for senior level CMPUT courses must be considered when selecting courses.

- CMPUT 174 - Introduction to the Foundations of Computation I
- CMPUT 175 - Introduction to the Foundations of Computation II
- EDSE 495 - Curriculum and Teaching in Secondary School Career Education

★6 chosen from

- (See Note 1)
- CMPUT 201 - Practical Programming Methodology
- CMPUT 204 - Algorithms I
- CMPUT 229 - Computer Organization and Architecture I
- CMPUT 272 - Formal Systems and Logic in Computing Science
- CMPUT 291 - Introduction to File and Database Management

★3 chosen from senior level

- CMPUT
- EDCT

Notes Students must take EDSE 318 which is normally offered in the Fall Term only.

Career and Technology Studies: Design (MDC) (★18)

Note: See overview of Career and Technology Studies majors and minors.

Requirements

- EDSE 495 - Curriculum and Teaching in Secondary School Career Education

- EDCT 400 - Conference Seminar (Communication Technology)

★6 chosen from

- senior level EDCT
- recommend EDCT 400 Career and Technology Junior High Organization and Content

★6 chosen from

- ART 134 - Art Fundamentals
- DES 135 - Design Fundamentals
- DES 300 - Foundations of Industrial Design I
- DES 301 - Foundations of Industrial Design II
- EDIT 486 - Interactive Multimedia
- EDIT 488 - Instructional Technology and Communication
- HECOL 201 - Introduction to Material Culture
- HECOL 250 - Design Studies and Practice
- HECOL 333 - Cross-Cultural Textiles
- HECOL 354 - Apparel Design and Product Development I
- HECOL 454 - Apparel Design and Product Development II
- HECOL 464 - Fashion and Material Culture: Politics, Economies, Societies, c. 1600-1900

Note: Students must take EDSE 318 which is normally offered in the Fall Term only.

Career and Technology Studies: Health (HRH) (★18)

Note: See overview of Career and Technology Studies majors and minors.

Requirements

- EDSE 495 - Curriculum and Teaching in Secondary School Career Education
- HECOL 211 - Human Sexuality

★3 chosen from

- HECOL 210 - Intimate Relationships
- HECOL 321 - Introduction to Family Finance

★6 chosen from

- NU FS 100 - Introduction to Food Science and Technology
- NU FS 200 - Introduction to Functional Foods and Nutraceuticals
- NU FS 223 - The Cultural Ecology of Food and Health
- NU FS 363 - Food Microbiology

★3 chosen from

- HE ED 110 - Introduction to Personal Health and Well-Being
- HE ED 220 - Introduction to the Biological Aspects of Fitness to Health
- HE ED 320 - Social Dimensions of Health and Health Promotion
- INT D 410

Note: Students must take EDSE 318 which is normally offered in the Fall Term only.

Career and Technology Studies: Human Sciences (HRH) (★18)

Note: See overview of Career and Technology Studies majors and minors.

Requirements

Note: Previously known as Human Ecology, Family Finance, Fashion Studies, and Foods

- EDSE 495 - Curriculum and Teaching in Secondary School Career Education
- NUTR 100 - Nutrition and Wellbeing

★6 chosen from

- HECOL 170 - Introduction to Textiles
- HECOL 201 - Introduction to Material Culture
- HECOL 250 - Design Studies and Practice
- HECOL 254 - Apparel Design and Construction Fundamentals
- HECOL 268 - Survey of Historic Dress in the Western World

★6

★3 chosen from

- AREC 173 - The Plate, the Planet and Society
- EDCT 400 - Conference Seminar
- NU FS 100 - Introduction to Food Science and Technology
- NU FS 200 - Introduction to Functional Foods and Nutraceuticals
- NU FS 223 - The Cultural Ecology of Food and Health

★3 chosen from

- HECOL 254 - Apparel Design and Construction Fundamentals
- HECOL 270 - Applications of Textile Science
- HECOL 321 - Introduction to Family Finance
- HECOL 322 - Family Economic Issues
- HECOL 354 - Apparel Design and Product Development I
- HECOL 360 - Dress and Culture
- NU FS 223 - The Cultural Ecology of Food and Health

OR

- ★6 EDCT 400 - Conference Seminar Career and Technology Junior High Organization and Content

Note: Students must take EDSE 318 which is normally offered in the Fall Term only.

Career and Technology Studies: Media (MDC) (★18)

Note: See overview of Career and Technology Studies majors and minors.

Requirements

- EDSE 495 - Curriculum and Teaching in Secondary School Career Education
- EDCT 400 - Conference Seminar (Communication Technology)

★6 chosen from

- CMPUT 174 - Introduction to the Foundations of Computation I
- CMPUT 175 - Introduction to the Foundations of Computation II
- CMPUT 206 - Introduction to Digital Image Processing
- CMPUT 229 - Computer Organization and Architecture I
- CMPUT 250 - Computers and Games

★6 chosen from senior level

- EDCT
- EDIT

Note: Students must take EDSE 318 which is normally offered in the Fall Term only.

Career and Technology Studies: Natural Resources (NAT) (★18)

Note See overview of Career and Technology Studies majors and minors.

Requirements

- EDSE 495 - Curriculum and Teaching in Secondary School Career Education

★9 chosen from

- BIOL 107 - Introduction to Cell Biology
- BIOL 108 - Introduction to Biological Diversity
- BOT 210
- BOT 303 - Plant Development
- ENCS 352 - Natural Resource and Environmental Law
- REN R 100 - Forests: Ecology, Use and Society
- REN R 101 - Introductory Forestry Field School
- REN R 110 - Natural Resource Measurement
- REN R 120 - Introduction to Plant Identification
- REN R 201 - Introduction to Geomatic Techniques in Natural Resource Management
- REN R 250 - Water Resource Management
- REN R 260 - History and Fundamentals of Environmental Protection and Conservation
- R SOC 271 - The Politics of Food and Natural Resources
- REN R 321 - Tree Physiology
- REN R 322 - Forest Ecosystems

★6 chosen from

- senior level EDCT
- recommend EDCT 400 Career and Technology Junior High Organization and Content

Note Students must take EDSE 318 which is normally offered in the Fall Term only.

Career and Technology Studies: Recreation (HRH) (★18)

Note: See overview of Career and Technology Studies majors and minors.

Requirements

- EDSE 495 - Curriculum and Teaching in Secondary School Career Education

- HE ED 110 - Introduction to Personal Health and Well-Being
- PERLS 104 - Introduction to Sociology of Sport and Leisure in Canadian Society
- RLS 100 - Life, Leisure, and the Pursuit of Happiness
- RLS 122 - Leadership in Recreation and Leisure Organizations
- RLS 263 - Principles of Tourism

Note: Students must take EDSE 318 which is normally offered in the Fall Term only.

Career and Technology Studies: Trades, Manufacturing, and Transportation (TMT) (★18)

Note See overview of Career and Technology Studies majors and minors.

Requirements

- EDSE 495 - Curriculum and Teaching in Secondary School Career Education
- EDCT 400 - Conference Seminar (Design Studies)
- EDCT 400 - Conference Seminar (Construction Technology)
- EDCT 400 - Conference Seminar (Mechanics)
- EDCT 400 - Conference Seminar (Fabrication Studies)

★3

- senior level EDCT

OR

Requirements

- EDSE 495 - Curriculum and Teaching in Secondary School Career Education

★3 to 6 chosen from

- DES 300 - Foundations of Industrial Design I
- DES 301 - Foundations of Industrial Design II
- DRAMA 279 - Introduction to Stagecraft and Design

★9 to 12 chosen from

- senior level EDCT
- recommend EDCT 400 Career and Technology Junior High Organization and Content

Notes

Students must take EDSE 318 which is normally offered in the Fall Term only.

Advanced Standing may be granted for relevant provincial and federal journey certification, degree, or two-year certificate or diploma programs in Career and Technology minor categories. Contact the Department of Secondary Education for more information.

Chemistry (★18)

Requirements

- CHEM 101 - Introductory University Chemistry I
- CHEM 102 - Introductory University Chemistry II
- CHEM 261 - Organic Chemistry I
- CHEM 263 - Organic Chemistry II

★6 chosen from

- Biochemistry
- Chemistry
- Environmental Sciences (EAS, ENCS, REN R)
- Physics

Notes

Students must take EDSE 356 which is normally offered in both the Fall and Winter Terms.

EDSE 356 is not open to students whose major is Biological Sciences, Chemistry, General Sciences, Physical Sciences or Physics. These students must either chose to register for another EDSE (Minor) provided they meet the course prerequisites, **OR** register in an additional Education Elective.

Drama (★18)

Requirements

★9 from

- DRAMA 102 **OR** DRAMA 103
- DRAMA 149 **OR** DRAMA 150 (with consent of the Department of Drama)

- DRAMA 247 **OR** DRAMA 240

•

- Note: ★9 above must be taken before registering in EDSE 323.

★3 chosen from

- DRAMA 203 - Performance Analysis
- DRAMA 208 - Theatre History I
- DRAMA 302 - Modern Canadian Theatre
- DRAMA 305
- DRAMA 306 - Historical Approaches to Western Dramatic and Theatrical Theories
- DRAMA 308 - Theatre History II: Modern Theatre

★6 chosen from

- DANCE 340 - Modern Dance
- DRAMA 257 - Scene Study I
- DRAMA 259 - Performer-Created Theatre
- DRAMA 279 - Introduction to Stagecraft and Design
- DRAMA 327 - Community-Based Theatre
- DRAMA 331 - Movement and Physical Theatre
- DRAMA 361 - Playwriting
- DRAMA 383 - Introduction to Directing (with consent of the Department of Drama)
- DRAMA 391 - Production Lab I
- DRAMA 427 - Topics in Community Based and Applied Theatre
- EDEL 411 - Literacy Development through Drama and Literature
- EDSE 401 - Conference Seminar

Note: Students must take EDSE 323 which is normally offered in the Fall Term only.

English as a Second Language (★18)

Requirements

Note: LING 101 is a prerequisite for many of the course selections for the ESL minor.

★9 in Language Courses chosen from

- ANTHR 208 - Introduction to Linguistic Anthropology
- ENGL 212 - Introduction to the English Language
- ENGL 299 - Essay Writing for Education Students
- ENGL 300 - Social and Cultural History of the English Language
- LING 100
- LING 101 - Introduction to Linguistic Analysis
- LING 204 - English Syntax
- LING 205 - Phonetics
- LING 314 - Discourse Analysis
- LING 316 - Sociolinguistics
- LING 320 - Second Language Acquisition

★3 to ★6 in Cultural Studies chosen from

- ANTHR 150 - Race and Racism
- C LIT 101 - World Literature I
- C LIT 256
- EDPS 425 - Global Education: Issues and Strategies for Teachers
- EDPS 432 - The Education of Native Peoples in Canada: An Historical Study
- LING 324 - Endangered Languages
- MLCS 371
- MLCS 471
- MLCS 472
- RELIG 102 - Introduction to Western Religious Traditions
- RELIG 103 - Introduction to Eastern Religious Traditions
- SOC 269 - Introductory Sociology of Globalization
- or a language other than English

★3 to ★6 chosen from

- EDPY 413 - Principles and Practice in Teaching ESL Learners
- EDPY 416 - Introduction to the Teaching of English as a Second Language
- EDPY 418 - Methodology in the Teaching of English as a Second Language to Adults

Note: Students must take EDSE 369 which is normally offered in the Fall Term only.

English Language Arts (★18)

Requirements

★6 Junior English

- ENGL 102 - Introduction to Critical Analysis
- ENGL 103 - Case Studies in Research
- ENGL 125 - Aboriginal Writing (or equivalent)

• OR

- ★3 Junior English and ★3 WRS 101

★6 chosen from senior level courses in

- ENGL
- C LIT
- ENGL 308, ENGL 309, ENGL 338, or ENGL 339 recommended

★3 chosen from senior level courses in

- C LIT
- ENGL
- LIS 403 - Survey of Young Adult Materials
- LIS 404 - Comic Books and Graphic Novels in School and Public Libraries
- LIS 405 - Canadian Children's Literature for Young People in Schools and Libraries

★3 chosen from

- LING
- WRITE
- EDSE 430 - Teaching Composition, Language and Culture to Adolescents
- ENGL 212 - Introduction to the English Language
- ENGL 299 - Essay Writing for Education Students
- ENGL 300 - Social and Cultural History of the English Language
- Senior WRS

Note Students must take EDSE 328 which is normally offered in the Fall and Winter Terms.

General Sciences (☒18)

Requirements

- BIOL 107 - Introduction to Cell Biology
- BIOL 108 - Introduction to Biological Diversity
- CHEM 101 - Introductory University Chemistry I
- CHEM 102 - Introductory University Chemistry II

- PHYS 124 **AND** PHYS 126

• OR

- PHYS 144 **AND** PHYS 146

Notes

Students must take EDSE 356 which is normally offered in both the Fall and Winter Terms.

EDSE 356 is not open to students whose major is Biological Sciences, Chemistry, General Sciences, Physical Sciences or Physics. These students must either choose to register for another EDSE (Minor) provided that they meet the course prerequisite, **OR** register in an additional Education Elective.

Health Education (★18)

Requirements

- HECOL 211 - Human Sexuality

★3 chosen from

- HECOL 210 - Intimate Relationships
- HECOL 321 - Introduction to Family Finance
- HECOL 322 - Family Economic Issues

★6 chosen from

- EDPY 442 - Introduction to Counselling
- EDPY 446 - Hope and the Helping Relationship
- EDSE 495 - Curriculum and Teaching in Secondary School Career Education
- HECOL 412 - Family Challenges

★6 chosen from

- HE ED 110 - Introduction to Personal Health and Well-Being
- HE ED 220 - Introduction to the Biological Aspects of Fitness to Health

- HE ED 320 - Social Dimensions of Health and Health Promotion
- HE ED 497
- INT D 410 - Interprofessional Health Team Development
- INT D 411 - Advanced Interprofessional Team Practice
- NUTR 100 - Nutrition and Wellbeing
- PERLS 104 - Introduction to Sociology of Sport and Leisure in Canadian Society
- or senior level EDCT

Notes Students must take EDSE 333 which is normally offered in the Fall Term only.

Mathematics (★18)

Requirements

- MATH 114 - Elementary Calculus I
- MATH 125 - Linear Algebra I
- MATH 222 - Introduction to Discrete Mathematics
- MATH 241 - Geometry

★6 chosen from

- Note: No more than ★3 can be taken in Computing Science courses.
- Mathematics
- Computing Sciences
- Statistics
- STAT 151 is recommended

Note: Students must take EDSE 338 which is normally offered in both the Fall and Winter Terms.

Music: Wind Band (★18)

Requirements

- MUSIC 151 - Aural and Keyboard Skills I
- MUSIC 155 - Music Theory I
- MUSIC 156 - Music Theory II
- MUSIC 213 - Woodwind Techniques
- MUSIC 214 - Brass Techniques
- MUSIC 215 - Percussion Techniques

Notes

1. Students must complete MUSIC 213, MUSIC 214, MUSIC 215 prior to enrolling in EDSE 344 which is normally offered in the Fall Term only.
2. Students are encouraged to take MUSIC 315 and/or MUSIC 230 in Open Options.

Native Education (★18)

Requirements

Non-Education (★9)

- **Note:** A minimum of ★3 must be chosen from NS 110, NS 111, or NS 200.

★9 chosen from

- ANTHR 150 - Race and Racism
- ANTHR 207 - Introduction to Social and Cultural Anthropology
- ANTHR 323
- ANTHR 350 - Kinship and Social Structure
- ANTHR 385 - Topics in Social Cultural Anthropology
- ANTHR 393 - Health and Healing
- ANTHR 401 - Ethnographic Methods
- ANTHR 422
- ANTHR 424 - Visual Anthropology
- ANTHR 436
- ANTHR 438
- HECOL 201 - Introduction to Material Culture
- HECOL 462 - Material Culture in Home and Community
- HIST 368 - History of the Native Peoples of Canada to 1867
- HIST 369 - History of the Native Peoples of Canada Since 1867
- NS 110 - Historical Perspectives in Native Studies
- NS 111 - Contemporary Perspectives in Native Studies
- NS 152 - Introductory Cree
- NS 200 - Aboriginal Canada: Looking Forward/Looking Back
- NS 260 - Contemporary Native Art
- NS 300 - Traditional Cultural Foundations I
- NS 314 - History of Indians of Western Canada
- NS 320 - Aboriginal Governments and Politics

- POL S 327 - Aboriginal Peoples and Politics in Canada
- SOC 100 - Introductory Sociology
- SOC 367 - Knowledge and Human Society

Education (★9)

- ★9 chosen from
- EDPS 411 - Cross Cultural Studies in Education
- EDPS 432 - The Education of Native Peoples in Canada: An Historical Study
- EDPS 474 - Contemporary Issues in the Education of Native Peoples: A Social Science Perspective

Note: EDES 409 is a prerequisite to the APT* and it is normally offered in the Fall Term only.

* Advanced Professional Term

Physical Education (★18)

Requirements

- KIN 294 - A Conceptual Approach to Physical Activity

★3 chosen from

- HE ED 110 - Introduction to Personal Health and Well-Being
- HE ED 220 - Introduction to the Biological Aspects of Fitness to Health
- ★12 chosen from the five activity dimensions listed below.
- (Note: no more than ★3 can be selected from any one dimension). A variety of courses outside personal level of expertise is recommended. Aquatics competency and CPR certification recommended.

a. Alternative Environments

- PAC 110 - Instruction of the Basics of Aquatics
- PAC 163
- PAC 182 - Instruction of the Basics of Indoor Wall Climbing
- PAC 310 - Coaching Aquatics
- KIN 205 - Introduction to Outdoor Environmental Education

b. Dance:

- DAC 197 - Selected Topics in Dance
- DAC 199 - Directed Studies
- DANCE 200 - The Spectrum of Dance in Society
- DANCE 340 - Modern Dance
- DANCE 446 - Modern Dance Composition

c. Games:

- PAC 111 - Instruction of the Basics of Basketball
- PAC 112 - Instruction of the Basics of Field Hockey
- PAC 113 - Instruction of the Basics of Football
- PAC 114 - Instruction of the Basics of Ice Hockey
- PAC 117 - Instruction of the Basics of Rugby
- PAC 118 - Instruction of the Basics of Soccer
- PAC 131 - Instruction of the Basics of Badminton
- PAC 133 - Instruction of the Basics of Squash
- PAC 135 - Instruction of the Basics of Tennis
- PAC 137 - Instruction of the Basics of Volleyball
- PAC 140
- PAC 145 - Instruction of the Basics of Golf
- PAC 183 - Instruction of the Basics of Curling
- PAC 199 - Directed Studies
- PAC 311 - Coaching Basketball
- PAC 313 - Coaching Football
- PAC 314 - Coaching Ice Hockey
- PAC 318 - Coaching Soccer
- PAC 320 - Structure and Strategy of Games
- PAC 333 - Coaching Squash
- PAC 335 - Coaching Tennis
- PAC 337 - Coaching Volleyball
- PAC 345 - Coaching Golf

d. Gymnastics

- PAC 160 - Instruction of the Basics of Gymnastics
- PAC 360 - Coaching Gymnastics
- PAC 365 - The Study of Gymnastics for Children and Youth

e. Individual Activities:

- PAC 154 - Instruction of the Basics of Wrestling
- PAC 156 - Instruction of the Basics of Yoga
- PAC 173 - Instruction of the Basics of Athletics (Track and Field)

- PAC 174 - Instruction of the Basics of Athletics (Track and Field)
- PAC 181
- PAC 197 - Selected Topics in Physical Activity - Level I
- PAC 199 - Directed Studies
- PAC 354 - Coaching Wrestling
- PAC 356 - Yoga for Stress Management

Note Students must take EDSE 348 which is normally offered in both the Fall and Winter Terms.

Physics (★18)

Requirements

- PHYS 124 **AND** PHYS 126
- **OR**
- PHYS 144 **AND** PHYS 146

★6 in

- senior level Physics
- PHYS 208 or PHYS 271 and any two of PHYS 261, PHYS 294, PHYS 297 recommended

★6 from

- Astronomy
- Chemistry
- Environmental Sciences (EAS, ENCS, REN R)
- Physics

Notes

Students must take EDSE 356 which is normally offered in both the Fall and Winter Terms.

EDSE 356 is not open to students whose major is Biological Sciences, Chemistry, General Sciences, Physical Sciences or Physics. These students must either choose to register for another EDSE (Minor) provided they meet the course prerequisites, **OR** register in an additional Education Elective.

Religious and Moral Education (★18)

Requirements

- CHRTC 250 - The Theological Education of the Catholic Teacher
- CHRTC 381 - Teaching Religion: Secondary
- EDPS 456 - The Philosophy of Moral Education
- RELIG 102 - Introduction to Western Religious Traditions
- RELIG 103 - Introduction to Eastern Religious Traditions
- Note: EDPS 456 is not offered every year. When EDPS 456 is not offered, students should select an additional course from below.

★3 chosen from

- Philosophy
- Religious Studies
- St Joseph's College
- St Stephen's College

Notes

Students must take EDSE 378 which is normally offered in the Fall Term only.

Second Languages: Arabic (★18)

Note: ARAB 111 and ARAB 112 should be taken in the first year(s) of study.

Requirements

★9 in Language courses chosen from

- ARAB 111 - Beginners' Arabic I
- ARAB 112 - Beginners' Arabic II
- ARAB 211 - Intermediate Arabic I
- ARAB 212 - Intermediate Arabic II

★9 in Literature/Culture chosen from

- ARAB 499
- HIST 243
- POL S 380 - Politics in the Middle East
- POL S 477 - Topics in Islamic Politics
- RELIG 220 - Introducing Islam, from Prophetic Origins to World Tradition
- RELIG 320 - Qur'anic Studies
- RELIG 322
- RELIG 422 - Advanced Studies in Islam

Notes

Note: ARAB 111 and ARAB 112 should be taken in the first year(s) of study.

Students must take EDSE 370 which is normally offered in the Fall Term only.

EDSE 370 is not open to students whose major is a Second Language. These students must either choose to register for another EDSE (Minor) provided they meet the course prerequisites, **OR** register in an additional Education Elective.

Second Languages: Cree (★18)**Requirements****★12 to ★15 in Language courses chosen from**

- NS 105
- NS 152 - Introductory Cree
- NS 153
- NS 252 - Intermediate Cree
- NS 352 - Advanced Cree

★3 to ★6 in Culture chosen from

- NS 110 - Historical Perspectives in Native Studies
- NS 200 - Aboriginal Canada: Looking Forward/Looking Back
- NS 260 - Contemporary Native Art
- NS 300 - Traditional Cultural Foundations I
- NS 352 - Advanced Cree
- NS 355 - Native Oral Traditions and Indigenous Knowledge
- NS 400

Notes

Students must take EDSE 370 which is normally offered in the Fall Term only.

EDSE 370 is not open to students whose major is a Second Language. These students must either choose to register for another EDSE (Minor) provided they meet the course prerequisites, **OR** register in an additional Education Elective.

Second Languages: French (★18)**Notes**

1. Students who have credit in French 30 should register in FREN 211, FREN 212. All others consult the subject area advisor.
2. FREN 211, FREN 212 should be taken in the first year(s) of study.
3. Many courses offered by Faculté Saint-Jean may be credited toward the program. Consult the subject area advisor.

Requirements**★12 to ★15 in Language courses chosen from**

- FREN 211 - Intermediate French I
- FREN 212 - Intermediate French II
- FREN 297 **AND** FREN 298
- FREN 254 - Introduction to Translation Theory and Practice: French-English-French
- FREN 310 - Composition, Style and Expression
- FREN 354 - Translation: French into English
- FREN 355
- FREN 371 - Language and Francophone Societies
- FREN 372 - French Phonetics
- FREN 454 - Translation: English into French

★3 to ★6 in Literature/Culture chosen from

- FREN 301 - Introduction to French Literary Studies
- FREN 311 - Mystery, Myth, and Supernatural
- FREN 312 - Colonialism and Postcolonialism
- FREN 313 - Passions/Obsessions
- FREN 314 - Beauty/Aesthetics
- FREN 315 - Cultural Representations of Food
- FREN 316 - Belonging (Migration and Identity)
- FREN 333 - French Cultural Moments
- FREN 346
- FREN 399 - Special Topics
- FREN 445 - Contemporary Cinema in French
- FREN 463 - Topics in Nineteenth-Century Literature
- FREN 464 - Topics in Twentieth-Century Literature
- FREN 465 - Caribbean Culture
- FREN 466
- FREN 467 - Women Writing in French
- FREN 468 - Topics in Quebec/French Canadian Literature

- FREN 499 - Special Topics

Notes

Students must take EDSE 370 which is normally offered in the Fall Term only.

EDSE 370 is not open to students whose major is a Second Language. These students must either choose to register for another EDSE (Minor) provided they meet the course prerequisites, **OR** register in an additional Education Elective.

Second Languages: German (★18)

Note: Students whose major is a Second Language should consult an advisor in the Department of Secondary Education before registering in EDSE 368.

Requirements**★12 to ★15 in Language courses chosen from**

- GERM 111 - Beginners' German I
- GERM 112 - Beginners' German II
- GERM 211 - Intermediate German I
- GERM 212 - Intermediate German II
- GERM 303 - Advanced German I
- GERM 304 - Advanced German II
- GERM 306 - German/English Phonetics and Phonology
- GERM 316 - Introduction to German Applied Linguistics
- GERM 317 - Teaching German as a Foreign Language
- GERM 342 - Introduction to Translation: German and English
- GERM 402
- GERM 404 - German for Business
- GERM 409 - German Dialects
- GERM 416 - Second Language Acquisition: German
- GERM 417 - German Sociolinguistics
- GERM 443 - Advanced Translation: German into English
- GERM 444 - Exercises in Translation: English into German
- GERM 492

★3 to ★6 in Literature/Culture chosen from

- GERM 320 - From Masterpieces to Bestsellers
- GERM 333
- GERM 340 - Introduction to the Study of Modern German Literature
- GERM 343 - Postwar Cultures
- GERM 353 - Myths, Tales, and Legends
- GERM 450 - Authorship in Context
- GERM 451 - Genre, Text, Technique
- GERM 452 - History, Culture, and Periods of Representation
- GERM 453 - Cultural and Literary Theories
- GERM 454 - Gender and Sexuality
- GERM 455 - Media and Image
- GERM 475

Notes

Note: Students whose major is a Second Language should consult an advisor in the Department of Secondary Education before registering in EDSE 368.

Students must take EDSE 370 which is normally offered in the Fall Term only.

EDSE 370 is not open to students whose major is a Second Language. These students must either choose to register for another EDSE (Minor) provided they meet the course prerequisites, **OR** register in an additional Education Elective.

Second Languages: Italian (★18)**Requirements****★12 to ★15 in Language/Linguistics chosen from**

- ITAL 111 - Beginners' Italian I
- ITAL 112 - Beginners' Italian II
- ITAL 211 - Second-Year Italian I
- ITAL 212 - Second-Year Italian II
- ITAL 393
- ITAL 425 - Translation

★3 to ★6 in Literature/Culture chosen from

- ITAL 333
- ITAL 340 - Topics in Italian Culture
- ITAL 363 - Studies in Italian Literary Genres
- ITAL 375
- ITAL 415 - Studies in Italian Literature
- ITAL 419 - Topics in Italian Studies I

- ITAL 420

Notes

Students must take EDSE 370 which is normally offered in the Fall Term only.

EDSE 370 is not open to students whose major is a Second Language. These students must either choose to register for another EDSE (Minor) provided they meet the course prerequisites, **OR** register in an additional Education Elective.

Second Languages: Japanese (★18)

Requirements

★12 to ★15 in Language courses chosen from

- JAPAN 101 - Basic Japanese I
- JAPAN 102 - Basic Japanese II
- JAPAN 150 - First-Year University Japanese
- JAPAN 201 - Basic Japanese III
- JAPAN 202 - Basic Japanese IV
- JAPAN 301 - Intermediate Japanese I
- JAPAN 302 - Intermediate Japanese II
- JAPAN 401 - Advanced Japanese I
- JAPAN 402 - Advanced Japanese II
- JAPAN 429 - Japanese-English Translation
- JAPAN 439 - Practical Translation

★3 to ★6 in Literature/Culture chosen from

- EASIA 240 - Overview of Japanese Culture
- EASIA 242 - The Samurai in Japanese Culture
- EASIA 341 - Pre-Modern Japanese Literature in Translation
- EASIA 343
- EASIA 344 - Tales of Two Japanese Cities
- EASIA 346 - Modern Japanese Literature in Translation
- EASIA 441 - Topics in Japanese Literary History
- EASIA 443
- EASIA 448 - Topics in Japanese Studies

Notes

Students must take EDSE 370 which is normally offered in the Fall Term only.

EDSE 370 is not open to students whose major is a Second Language. These students must either choose to register for another EDSE (Minor) provided they meet the course prerequisites, **OR** register in an additional Education Elective.

Second Languages: Mandarin (★18)

Note: CHINA 101/CHINA 102 should be taken in the first year(s) of study.

Requirements

★12 to ★15 in Language courses chosen from

- CHINA 101 - Basic Chinese I
- CHINA 102 - Basic Chinese II
- CHINA 201 - Basic Chinese III
- CHINA 202 - Basic Chinese IV
- CHINA 211 - Mandarin Chinese I
- CHINA 212 - Mandarin Chinese II
- CHINA 301 - Intermediate Chinese I
- CHINA 302 - Intermediate Chinese II
- CHINA 341 - Classical Chinese I
- CHINA 342 - Classical Chinese II
- CHINA 401 - Advanced Chinese I
- CHINA 402 - Advanced Chinese II
- CHINA 407 - Advanced Readings in Modern Chinese
- CHINA 428 - Chinese-English Translation
- EASIA 201 - Overview of the Chinese Language System
- EASIA 305 - Introduction to Chinese Linguistics
- EASIA 405 - Chinese Linguistics
- ★3 to ★6 in Literature/Culture chosen from
- EASIA 205 - Language in Chinese Society
- EASIA 232 - Overview of Chinese Culture
- EASIA 331 - Pre-modern Chinese Literature in Translation
- EASIA 333 - Topics in Pre-modern Chinese Literature and Culture
- EASIA 336 - Modern Chinese Literature in Translation
- EASIA 351 - Culture and Identity in Taiwan
- EASIA 431 - Topics in Pre-Modern Chinese Literary History
- EASIA 433 - Classical Chinese Poetry
- EASIA 434 - Readings in Classical Chinese Fiction

- EASIA 436 - Chinese Modernity: Literature and Film
- EASIA 437
- EASIA 455 - Topics in Taiwan Literature

Note:

Students must take EDSE 370 which is normally offered in the Fall Term only.

EDSE 370 is not open to students whose major is a Second Language. These students must either choose to register for another EDSE (Minor) provided that they meet the course prerequisite, **OR** register in an additional Education Elective.

Second Languages: Spanish (★18)

Requirements

★12 to ★15 in Language courses chosen from

- SPAN 111 - Beginners' Spanish I
- SPAN 112 - Beginners' Spanish II
- SPAN 211 - Intermediate Spanish I
- SPAN 212 - Intermediate Spanish II
- SPAN 300 - Advanced Spanish
- SPAN 306 - Spanish for Heritage Speakers
- SPAN 370 - The Sounds of Spanish
- SPAN 372
- SPAN 405 - Exercises in Translation: Spanish into English
- SPAN 406 - Exercises in Translation: English into Spanish
- SPAN 407 - Advanced Grammar and Composition
- SPAN 431
- SPAN 475 - Spanish in Society
- SPAN 476 - The Acquisition of Spanish

★3 to ★6 in Literature/Culture chosen from

- SPAN 314 - Civilization and Culture of Spain
- SPAN 315 - Civilization and Culture of Latin America
- SPAN 320 - Introduction to Literary Analysis
- SPAN 321 - Foundational Fictions of Spanish America
- SPAN 322
- SPAN 325 - Introduction to Cinema
- SPAN 326 - Hispanic Children's Literature
- SPAN 335 - The Spanish Caribbean
- SPAN 341 - The 'Roaring Twenties' in Transatlantic Perspective
- SPAN 342
- SPAN 425 - Hispanic Filmmakers
- SPAN 440 - Topics in Spanish Peninsular Literature and Culture
- SPAN 441 - Reading Colonial Culture
- SPAN 450 - Topics in Spanish-American Literature and Culture
- SPAN 452
- SPAN 455
- SPAN 460 - Self Portraits in Writing

Notes

Students must take EDSE 370 which is normally offered in the Fall Term only.

EDSE 370 is not open to students whose major is a Second Language. These students must either choose to register for another EDSE (Minor) provided that they meet the course prerequisite, **OR** register in an additional Education Elective.

Second Languages: Ukrainian (★18)

Requirements

★12 to ★15 in Language courses chosen from

- UKR 111 - Beginners' Ukrainian I
- UKR 112 - Beginners' Ukrainian II
- UKR 211 - The Ukrainian-speaking World I
- UKR 212 - The Ukrainian-speaking World II
- UKR 300 **OR** UKR 303 **AND** UKR 304
- UKR 400
- UKR 403
- UKR 404
- UKR 406 - Business Ukrainian
- UKR 407
- UKR 411

★3 to ★6 in Literature/Culture chosen from

- SLAV 468 - Nikolai Gogol/Mykola Hohol'

- SLAV 469
- UKR 327 - Early Ukrainian-Canadian Culture
- UKR 469
- UKR 471
- UKR 472
- UKR 473
- UKR 474
- UKR 405
- UKR 415
- UKR 475 - Ukrainian Literature Today

Notes

Students must take EDSE 370 which is normally offered in the Fall Term only.

EDSE 370 is not open to students whose major is a Second Language. These students must either choose to register for another EDSE (Minor) provided they meet the course prerequisites, **OR** register in an additional Education Elective.

Social Studies (CE18)

Requirements

★6 in Canadian Studies chosen from

- HIST 260 - Pre-Confederation Canada
- HIST 261 - Post-Confederation Canada
- HIST 371 - History of Women in Canadian Society
- NS courses
- POL S 221
- POL S 224 - Canadian Government
- POL S 225 - Canadian Politics
- POL S 235 - Introduction to Comparative Politics
- POL S 299 - Citizenship for Democracy

★6 in World Studies chosen from

- EDPS 425 - Global Education: Issues and Strategies for Teachers
- HIST 110 - The Pre-Modern World
- HIST 111 - The Early Modern World
- HIST 112 - The Modern World
- HIST 114 - The History of the World in the Last 10 Years
- HIST 116 - The Emergence of the Atlantic World
- HIST 119
- HIST 121 - Topics in Global History
- HIST 130 - Democracy, War and Consumer Capitalism: The Making of Modern Europe
- HIST 207 - Pre-Modern Europe I
- HIST 209
- HIST 210 - Europe in the 19th and 20th Centuries
- HIST 212 - Pre-Modern Europe II
- HIST 241 - Colonial Latin America
- HIST 242 - Modern Latin America
- HIST 246 - Africa from Medieval to Modern Times
- HIST 247 - Africa in the 20th and 21st Centuries: From Colonial Rule to Modern Nations
- HIST 251 - From the End of Slavery to the Present: American History Since 1865
- HIST 280 - East Asia to 1500
- HIST 281 - East Asia from 1500
- HIST 285 - China and the West
- HIST 297 - The History of Christianity
- HIST 382
- HIST 385 - Modern China

★6 in Cultural Studies chosen from

- Anthropology
- Native Studies
- Religious Studies
- Sociology
- Human Geography and Planning (Faculty of Arts)

Notes Students must take EDSE 374 which is normally offered in both the Fall and Winter Terms.

BA (Drama)/BEd (Secondary) Combined Degrees

General Information

(See also Bachelor of Arts (Drama)/Bachelor of Education (Secondary) Combined Degrees, BA/BEd)

This Bachelor of Arts/Bachelor of Education Combined Degrees program consists of ★150 normally taken over five years of full-time study. Coursework within the two Faculties is taken concurrently. Students initially apply for admission to the Faculty of Arts and are considered to be registered in that Faculty for the first three years of the program. All qualified Year 3 Bachelor of Arts (Drama)/Bachelor of Education students will be promoted to Year 4 in the Faculty of Education provided a minimum GPA of a 2.3 has been achieved and a minimum of ★90 applicable to this program has been successfully completed. Please note that the Combined BA/BEd program requires a minimum of ★12 of 400-level DRAMA or above. A recommended program structure is outlined below. Since this program is very tightly constructed, and depends on careful sequencing of DRAMA courses throughout the five years of the program, we strongly encourage students to consult with program advisors prior to making any variations to this program.

Program Requirements

This information may also be found in Bachelor of Arts (Drama)/Bachelor of Education (Secondary) Combined Degrees, BA/BEd.

Year 1 (★30) Taken in the Faculty of Arts

- ★6 Junior ENGL
- DRAMA 103 - Critical Analysis of Playtexts
- DRAMA 150 - Introduction to Dramatic Process
- ★6 Language Other than English

★12 chosen from the following three Groups

- (see Arts Chart 1)
- up to ★6 Group 2 (Study of Cultures and Cultural Products)
- up to ★6 Group 3 (Study of Social Systems and Interactions)
- up to ★6 Study of Science

Year 2 (★30) Taken in the Faculty of Arts

- DRAMA 208 - Theatre History I
- DRAMA 240 - Oral Communication and Interpretation
- DRAMA 257 - Scene Study I
- DRAMA 259 - Performer-Created Theatre
- DRAMA 279 - Introduction to Stagecraft and Design
- EDU 100 - Contexts of Education
- EDU 211 - Aboriginal Education and Contexts for Professional and Personal Engagement
- ★3 Minor requirement (see Education Chart 2 and consult advisor)

Remaining ★6 not taken in First Year chosen from the following three Faculty of Arts groups:

- Up to ★6 Group 2
- Up to ★6 Group 3
- Up to ★6 Study of Science

Year 3 (★30) Taken in the Faculty of Arts

- DRAMA 302 - Modern Canadian Theatre
- DRAMA 308 - Theatre History II: Modern Theatre
- DRAMA 357 - Scene Study II
- DRAMA 383 - Introduction to Directing
- DRAMA 391 - Production Lab I
- ★9 Minor requirement (see Education Chart 2 and consult advisor)
- EDU 210 - Introduction to Educational Technology
- EDPY 304 - Adolescent Development and Learning

Year 4 and 5 (★60) Taken in the Faculty of Education

- Students should refer to their individual Program Sheet for proper course sequencing.

Course Requirements (★30)

- DRAMA 457 - Production/Performance or other approved ★6 400 or 500-level DRAMA

- DRAMA 483 - Elements of Directing or another approved 400 or 500-level drama course (★3) (see Note 1)
- EDSE 3XX (Minor) (★3)
- EDPS 410 - Ethics and Law in Teaching
- EDPY 301 - Introduction to Inclusive Education: Adapting Classroom Instruction for Students with Special Needs
- ★6 Open options (may include DRAMA)
- ★3 Minor requirements (see Education Chart 2 and consult advisor)

★3 selected from

- DRAMA 327 - Community-Based Theatre
- DRAMA 331 - Movement and Physical Theatre
- DRAMA 407 - Studies in Drama II
- DRAMA 427 - Topics in Community Based and Applied Theatre
- DRAMA 452 - Solo Performance
- DRAMA 453 - Physical Comedy
- DRAMA 454 - Performance Creation
- DRAMA 459
- DRAMA 507 - Senior Projects
- or other approved performer-created theatre course. See Note 2.

Field Experience Terms (★30)

- Courses taken in the Field Experience Terms are normally taken concurrently.
- Introductory Professional Term (★15)
- EDFX 350 - Secondary Route Field Experience for the Introductory Professional Term
- EDPY 303 - Educational Assessment
- EDSE 307 - Language, Literacy and Society in Educational Contexts
- EDSE 322 - Curriculum and Teaching for Secondary School Drama Majors I
- Advanced Professional Term
- EDFX 450 - Secondary Route: Advanced Field Experience
- EDSE 422 - Curriculum and Teaching for Secondary School Drama Majors II (Major)
- EDSE 451 - Integrating Theory and Classroom Practice in the Advanced Professional Term

Notes

1. Admission to some DRAMA courses requires consent of the Department of Drama. It is recommended that students consult with advisors in Drama and Education upon acceptance into the program.
2. Students are reminded that ★9 400-level DRAMA or above are required in total.

BA (Native Studies)/BEd (Elementary) Five-Year Combined Degrees

In this combined degree, students select one of the following minors: Native Education, Cree Language or Social Studies. See Note 3 for course requirements.

Year 1 (★30) Taken in the Faculty of Native Studies

- Junior English (★6), or ★3 Junior ENGL plus ★3 Writing Studies WRS
- NS 110 - Historical Perspectives in Native Studies
- NS 111 - Contemporary Perspectives in Native Studies
- NS 152 - Introductory Cree
- NS 290 - Introduction to Research and Inquiry
- Social Science (★3) [see Education Courses (★9)]
- Natural Science (★3) [see Education Courses (★9)]
- Social Science (★3) [see Native Studies ★6 Social Science (junior or senior)]

Year 2 (★30) Taken in the Faculty of Native Studies

- EDU 100 - Contexts of Education
- EDU 210 - Introduction to Educational Technology
- EDU 211 - Aboriginal Education and Contexts for Professional and Personal Engagement
- Physical and Health Education (★3) [see Education Courses (★9)]
- Junior Humanities (★6): choose any courses at the 100-level [see Native Studies ★6 Humanities Core (junior or senior)]

- Minor (★6): choose courses from selected Minor: Native Education, Cree Language or Social Studies (see Note 3)
- Native Studies (★6): choose any courses at the 200- or 300-level

Year 3 (★30) Taken in the Faculty of Native Studies

- Native Studies Major (★3): choose any NS course at the 300-level
- NS 390 - Research Methods in Native Studies
- Mathematics (★3) [see Education Courses (★9)]
- Physical and Health Education (★3) [see Education Courses (★9)]
- Fine Arts (★3) [see Education Courses (★9)]
- Minor (★6) (see Note 3)
- Senior Humanities (★3) choose any course at the 200-level or higher [see Native Studies ★6 Humanities Core (junior or senior)]
- Native Studies (★3) choose any NS course at the 400-level
- Social Science (★3) [see Native Studies ★6 Humanities Core (junior or senior)]

Year 4 and 5 (★60) Taken in the Faculty of Education

- Students should refer to their individual Program Sheet for proper course sequencing.

Course Requirements (★30)

- EDEL 305 - Language Arts in the Elementary School
- EDEL 316 - Communication Through Mathematics Education **OR**
- EDEL 335 - Curriculum and Pedagogy in Elementary School Social Studies
- EDEL 300-level (★3)
- EDEL 400-level (★3)
- EDPS 410 - Ethics and Law in Teaching
- EDPY 302 - Learning and Development in Childhood
- Minor (★6) (see Note 3)
- Native Studies option (★6): Choose Native Studies courses at the 400-level.

Field Experience Terms (★30)

- Courses taken in the Field Experience Terms are normally taken concurrently

Introductory Professional Term (★15)

- EDFX 325 - Elementary Route: Introductory Field Experience
- EDEL 316 - Communication Through Mathematics Education **OR**
- EDEL 335 - Curriculum and Pedagogy in Elementary School Social Studies
- EDPY 303 - Educational Assessment

Choose one of

- EDEL 302 - Curriculum and Pedagogy in Elementary School Art
- EDEL 321 - Introduction to Curriculum and Pedagogy in Elementary School Physical Education
- EDEL 325 - Curriculum and Pedagogy in Elementary School Music
- EDEL 330 - Curriculum and Pedagogy in Elementary School Science

Advanced Professional Term (★15)

- EDFX 425 - Elementary Route: Advanced Field Experience
- EDPY 301 - Introduction to Inclusive Education: Adapting Classroom Instruction for Students with Special Needs

Choose one of

- EDEL 302 - Curriculum and Pedagogy in Elementary School Art
- EDEL 321 - Introduction to Curriculum and Pedagogy in Elementary School Physical Education
- EDEL 325 - Curriculum and Pedagogy in Elementary School Music
- EDEL 330 - Curriculum and Pedagogy in Elementary School Science

Notes

1. Program advice should be obtained from both Education and Native Studies.
2. Program Requirements (★150)
Education Core (★57)
Native Studies Core (★51)
Minor (★18)
Options (★24)
3. Students in this program must select one of the following minors (★18): Native Education, Cree Language or Social Studies.

Native Education (★18)

★9 chosen from

- ANTHR 150 - Race and Racism
- ANTHR 207 - Introduction to Social and Cultural Anthropology
- ANTHR 323
- ANTHR 350 - Kinship and Social Structure
- ANTHR 385 - Topics in Social Cultural Anthropology
- ANTHR 393 - Health and Healing
- ANTHR 401 - Ethnographic Methods
- ANTHR 422
- ANTHR 424 - Visual Anthropology
- ANTHR 436
- ANTHR 438
- HECOL 201 - Introduction to Material Culture
- HECOL 462 - Material Culture in Home and Community
- HIST 368 - History of the Native Peoples of Canada to 1867
- HIST 369 - History of the Native Peoples of Canada Since 1867
- NS 152 - Introductory Cree
- NS 200 - Aboriginal Canada: Looking Forward/Looking Back
- NS 260 - Contemporary Native Art
- NS 300 - Traditional Cultural Foundations I
- NS 314 - History of Indians of Western Canada
- NS 320 - Aboriginal Governments and Politics
- POL S 327 - Aboriginal Peoples and Politics in Canada
- SOC 100 - Introductory Sociology
- SOC 367 - Knowledge and Human Society

★6

- EDPS 432 - The Education of Native Peoples in Canada: An Historical Study
- EDPS 411 - Cross Cultural Studies in Education

★3

- EDPS 360 - Society and Education
- EDPS 425 - Global Education: Issues and Strategies for Teachers
- EDPS 474 - Contemporary Issues in the Education of Native Peoples: A Social Science Perspective
- Cree Language (★18)
- Students with Cree as a minor must complete NS 152, NS 252, and NS 352 before Year 4.
- NS 252 - Intermediate Cree
- NS 352 - Advanced Cree
- ★3 in Culture chosen from NS 200 level or above courses related to culture, except NS 200.

★3

- LING 100
- LING 101 - Introduction to Linguistic Analysis
- LING 211 - Phonetics of Indigenous Languages
- LING 212 - Morphosyntax of Indigenous Languages
- LING 213 - Sentence and Discourse Patterns of Indigenous Languages
- LING 320 - Second Language Acquisition

Social Studies (★18)

- ★9 chosen, in three distinct subject areas, from Anthropology, Archaeology (Department of Classics), Human Geography and Planning, Economics, History, Law, Philosophy, Political Science, Religion, Sociology.
- ★3 chosen in Canadian History chosen from NS or HIST.
- ★3 chosen from Human Geography and Planning

★3

- EDEL 435 - Pedagogy in Elementary School Social Studies
- EDES 409 - Aboriginal Curriculum Perspectives

BA (Native Studies)/BEd Five-Year Combined Degrees

The Bachelor of Arts in Native Studies/Bachelor of Education Combined Degrees allow students to select either the Secondary or the Elementary program route. This degree program consists of ★150 overall. The first three years (★90) are taken in the Faculty of Native Studies and the last two years (★60) are taken in

the Faculty of Education. Students in these Combined Degrees may choose a Cree Major or a Native Studies Major in the Secondary route. Students are advised to refer to Education Chart 1 when selecting courses for their Education Major Teaching Subject. Students in the Elementary route select a minor in Native Education, Cree Language or Social Studies. The sequencing of courses taken in the program does not allow for much flexibility throughout the five years; therefore, students should plan their programs carefully. Students are advised to follow the prescribed order as closely as possible.

BA/BEd Major Requirements

BA (Native Studies)/BEd (Secondary) Combined Degrees: Cree Major

This information may also be found in BA (Native Studies)/BEd (Secondary) Combined Degrees: Cree Major (Faculty of Native Studies).

Year 1 (★30) Taken in the Faculty of Native Studies

- Junior English (★6), or ★3 Junior English and ★3 WRS
- NS 110 - Historical Perspectives in Native Studies
- NS 111 - Contemporary Perspectives in Native Studies
- NS 152 - Introductory Cree
- NS 290 - Introduction to Research and Inquiry
- Teaching Minor (★6): choose any courses from the specified Teaching Minor selected from Education Chart 2
- Natural Science (★3): choose any course at the 100-level [see ★6 Scientific inquiry and applications (junior or senior)]

Year 2 (★30) Taken in the Faculty of Native Studies

- EDU 100 - Contexts of Education
- EDU 211 - Aboriginal Education and Contexts for Professional and Personal Engagement
- NS 252 - Intermediate Cree
-
- NS 260 - Contemporary Native Art **OR**
- NS 355 - Native Oral Traditions and Indigenous Knowledge
-
- Teaching Minor (★6): choose courses from the specified Teaching Minor selected from Education Chart 2
- Humanities (★6): choose any course at the 100-level [see ★6 Humanities Core (junior or senior)]
- EDU 210 - Introduction to Educational Technology

Year 3 (★30) Taken in the Faculty of Native Studies

- NS 352 - Advanced Cree
- NS 390 - Research Methods in Native Studies
-
- NS 260 - Contemporary Native Art **OR**
- NS 355 - Native Oral Traditions and Indigenous Knowledge
-
- Teaching Minor (★6): choose courses from the specified Teaching Minor selected from Education Chart 2
- Fine Arts or Humanities (★3): choose any course at the 200-level or higher [see ★6 Fine Arts (junior or senior) and ★6 Humanities Core (junior or senior)]
- Social Science (★6): choose any course at the 100-level [see ★6 Social Science (junior or senior)]
- EDPY 304 - Adolescent Development and Learning

Year 4 and 5 (★60) Taken in the Faculty of Education

- Students should refer to their individual Program Sheet for proper course sequencing.

Course Requirements (★30)

- Native Studies Major (★12): choose any NS courses at the 400-level
- EDSE 3XX Minor (★3)
- EDPS 410 - Ethics and Law in Teaching
- EDPY 301 - Introduction to Inclusive Education: Adapting Classroom Instruction for Students with Special Needs
- Social Sciences (★6): choose any courses at the 200-level or above [see ★6 Social Science (junior or senior)]
- Fine Arts or Humanities (★3): choose any course from the 200-level or above [see ★6 Fine Arts (junior or senior) and ★6 Humanities Core (junior or senior)]

Field Experience Terms (★30)

- Courses taken in the Field Experience Terms are normally taken concurrently

Introductory Professional Term (★15)

- EDFX 350 - Secondary Route Field Experience for the Introductory Professional Term
- EDPY 303 - Educational Assessment
- EDSE 307 - Language, Literacy and Society in Educational Contexts
- EDSE 368 - Curriculum and Teaching for Secondary School Second Language Majors I

Advanced Professional Term (★15)

- EDFX 450 - Secondary Route: Advanced Field Experience
- EDSE 451 - Integrating Theory and Classroom Practice in the Advanced Professional Term
- EDSE 468 - Curriculum and Teaching for Secondary School Second Language Majors II
- Notes

Program Requirements (★150)

1. Education Core (★48)
Native Studies Core (★30)
Native Studies Major (★39)
Education Major (★33)
2. Native Studies Core (★30)
English (★6) or English (★3) and WRS (★3)
Fine Arts or Humanities 2XX/3XX/4XX (★6)
Humanities 1XX (★6)
Natural Science 1XX (★3)
Social Science 1XX (★3)
Social Science 2XX/3XX/4XX (★3)

BA (Native Studies)/BEd (Secondary) Combined Degrees: Native Studies Major

In this combined degree, students are Native Studies Majors in the Faculty of Native Studies and Native Studies Minors in the Faculty of Education. Students select an Education Teaching Major from Education Chart 1. This information may also be found in BA (Native Studies)/BEd (Secondary) Combined Degrees: Native Studies Major.

Year 1 (★30) Taken in the Faculty of Native Studies

- Junior English (★6), or ★3 Junior English and ★3 WRS
- NS 110 - Historical Perspectives in Native Studies
- NS 111 - Contemporary Perspectives in Native Studies
- NS 152 - Introductory Cree
- NS 290 - Introduction to Research and Inquiry
- Education Major (★6): choose courses from the specified Teaching Major selected from Education Chart 1
- Natural Science (★3): choose any course at the 100-level [see ★6 Scientific inquiry and applications (junior or senior)]

Year 2 (★30) Taken in the Faculty of Native Studies

- EDU 100 - Contexts of Education
- EDU 211 - Aboriginal Education and Contexts for Professional and Personal Engagement
- Education Major (★9): choose any courses from the specified Teaching Major selected from Education Chart 1
- Native Studies Major (★3): choose any NS course at the 300-level
- Humanities (★6): choose any course at the 100-level [see ★6 Humanities Core (junior or senior)]
- EDU 210 - Introduction to Educational Technology
- Social Science (★3): choose any course at the 100-level [see ★6 Social Science (junior or senior)]

Year 3 (★30) Taken in the Faculty of Native Studies

- NS 390 - Research Methods in Native Studies
- Native Studies Major (★3): choose any NS course at the 300-level
- Education Major (★9): choose any courses from the specified Teaching Major selected from Education Chart 1
-
- EDPS 432 - The Education of Native Peoples in Canada: An Historical Study
- **AND**
- EDPS 360 - Society and Education **OR**
- EDPS 411 - Cross Cultural Studies in Education **OR**

- EDPS 474 - Contemporary Issues in the Education of Native Peoples: A Social Science Perspective
-
- EDPY 304 - Adolescent Development and Learning
- Fine Arts or Humanities (★3): choose any course at the 200-level or higher [see ★6 Fine Arts (junior or senior) and ★6 Humanities Core (junior or senior)]
- Social Science (★3): choose any course at the 200-level or higher [see ★6 Social Science (junior or senior)]

Years 4 and 5 (★60) Taken in the Faculty of Education

- Students should refer to their individual Program Sheet for proper course sequencing.

Course Requirements (★30)

- Native Studies Major (★9): choose any Native Studies courses at the 400-level
- Education Major (★9): choose courses from the specified Teaching Major selected from Education Chart 1
- EDES 409 - Aboriginal Curriculum Perspectives (Minor)
- EDPS 410 - Ethics and Law in Teaching
- EDPY 301 - Introduction to Inclusive Education: Adapting Classroom Instruction for Students with Special Needs
- Fine Arts or Humanities (★3): choose any course at the 200-level or higher [see ★6 Fine Arts (junior or senior) and ★6 Humanities Core (junior or senior)]

Field Experience Terms (★30)

- Courses taken in the Field Experience Terms are normally taken concurrently

Introductory Professional Term (★15)

- EDFX 350 - Secondary Route Field Experience for the Introductory Professional Term
- EDPY 303 - Educational Assessment
- EDSE 3XX (Major) (★3)
- EDSE 307 - Language, Literacy and Society in Educational Contexts

Advanced Professional Term (★15)

- EDFX 450 - Secondary Route: Advanced Field Experience
- EDSE 451 - Integrating Theory and Classroom Practice in the Advanced Professional Term
- EDSE 4XX (Major) (★3)

Notes

1. To ensure timely completion of this program, students should consult with an Academic Advisor before the start of each academic year.
2. Students who choose one of the CTS subject areas for their teaching major may be required to extend their program in order to meet the requirements.
3. Program Requirements (★150)
Education Core (★48)
Native Studies Core (★30)
Native Studies Major (★39)
Education Major (★33)
4. Native Studies Core (★30)
Computing (★3)
English (★6) or English (★3) and WRS (★3)
Fine Arts or Humanities 2XX/3XX/4XX (★6)
Humanities 1XX (★6)
Natural Science 1XX (★3)
Social Science 1XX (★3)
Social Science 2XX/3XX/4XX (★3)

Bachelor of Science (BSc)/Bachelor of Education (BEd) (Secondary) Combined Degrees Program (Augustana)

General Information

The Faculties of Augustana and Education offer a degrees program that is more highly structured than the BSc followed by a BEd After Degree (a six-year route). It provides less flexibility in course choice and scheduling than taking the degrees sequentially, because it is designed to meet the minimum requirements of both degrees in five years. In addition, it must meet teacher certification requirements within this time frame.

Program Requirements

The Bachelor of Science (BSc)/Bachelor of Education (BEd)(Secondary) Combined Degrees Program (Augustana) consists of ★102 Arts and Science plus ★48 Education credits. The program is normally completed in five years, three years at the Augustana Campus while registered in the Augustana Faculty and a final two years in the Faculty of Education.

The residence requirement for this program is specified in Residence Requirement. The ★150 in the program are made up of core and general requirements, Education requirements, a major subject, a minor subject, and options, as follows:

Core Requirements (★36)

Part A. The Augustana Core (★15)

- ★15 from at least three of the following five categories with no more than
- ★6 in any one category:
- Integrating knowledge
- Global studies
- Environmental sustainability
- Experiential learning
- Creative and imaginative process
- See Augustana Chart 1 for lists of courses that satisfy these requirements.
- Courses that satisfy these requirements may overlap with the student's major and minor and with prerequisites and supporting courses, but not with the breadth requirements in Part B.

Part B. The Breadth Requirements (★15)

- ★3 fine arts: any AUART except AUART 228; any AUDRA except AUDRA 228, AUDRA 301; any AUMUS except AUMUS 228, AUMUS 375, AUMUS 475.
- ★6 humanities.
- ★6 science.
- ★6 social sciences.
- See Classification of Courses for the definition of humanities, science and social sciences courses.
- Courses that satisfy these requirements may overlap with general requirements, the student's minor, prerequisites and supporting courses, but not with the student's major or with Augustana Core in Part A.

General Requirements (★12)

★6 language or literature from

- AUCLA 102 - Greek and Roman Mythology
- AUCLA 242 - Greek and Roman Epic in Translation
- AUCLA 243 - Greek and Roman Tragedy in Translation
- AUCLA 244 - Greek and Roman Comedy in Translation
- AUENG 103 - English Literature from the Romantic Period to the Present
- AUENG 104 - English Literature from the Middle Ages to the Romantic Period
- AUGER 291 - German Drama in Translation
- AUGER 292 - German Fiction in Translation
- AUGER 293 - Women and German Literature in Translation
- AULIT 201 - Introduction to Modern and Contemporary Latin American Fiction
- AULIT 202 - Selected Topics in Modern and Contemporary Latin American Literature

can Literature

- AUSCA 141 - Viking-Age Prose Literature
- AUSCA 151 - Modern Norwegian Literature
- AUSCA 152 - Modern Danish and Swedish Literature
- AUSCA 161 - Scandinavian Folk Literature
- AUSCA 241 - Viking-Age Prose Literature
- AUSCA 251 - Modern Norwegian Literature
- AUSCA 252 - Modern Danish and Swedish Literature
- AUSCA 261 - Scandinavian Folk Literature
- AUSPA 230 - Introduction to Modern and Contemporary Latin American Fiction
- AUSPA 231 - Selected Topics in Modern and Contemporary Latin American Literature

★3 computing science or educational computing: one of

- AUCSC 110 - Introduction to Computing Science
- AUCSC 120 - Abstraction, Design, and Object-Oriented Programming
- AUEDC 202

★3 history, philosophy, and theory of science: one of

- AUBIO 411 - History and Theory of Biology
- AUENV 421 - Environmental Science: History and Impacts
- AUMAT 480 - History of Mathematics and Physics
- AUPHI 350 - Philosophy of Science
- AUPHI 355 - Philosophy and the Environment
- AUPHY 480 - History of Physics and Mathematics

Note: Courses that satisfy these requirements may overlap with the core requirements, the Education requirements, and/or with the student's major.

Education Requirements (★48)

- AUEPS 258 - Educational Psychology for Teaching
- EDPY 301 - Introduction to Inclusive Education: Adapting Classroom Instruction for Students with Special Needs
- EDPY 303 - Educational Assessment
- EDFX 350 - Secondary Route Field Experience for the Introductory Professional Term
- EDFX 450 - Secondary Route: Advanced Field Experience
- EDPS 410 - Ethics and Law in Teaching
- EDSE 307 - Language, Literacy and Society in Educational Contexts
- EDSE 451 - Integrating Theory and Classroom Practice in the Advanced Professional Term
- ★6 EDSE (Major)
- ★3 EDSE (Minor)
- EDU 211 - Aboriginal Education and Contexts for Professional and Personal Engagement
- ★3 Education Elective

Note: The field experience components will be fulfilled in a rural or smallcity school placement.

Major Subject (★42)

Subject areas that may be selected as a Major are as follows: Biology, Chemistry, General Sciences, Mathematical Sciences, Mathematics and Physics, Physical Sciences.

Minor Subject (★18)

Subject areas that may be selected as a Minor are as follows: Art, Biology, Chemistry, Drama, English Language Arts, General Sciences, Mathematical Sciences, Music: Choral, Physical Education, Physical Sciences, Philosophy and Religious Studies, Physics, Second Language French, Second Language German, Second Language Spanish, Social Studies.

Non-Education Options (★0-18)

The number of Non-Education options required will depend on the number of prerequisites and supporting courses required on the selected major and minor and on the degree of overlap between the core, general, major and minor requirements.

Augustana Chart 1 Core Engagement Requirements

Select ★12 from at least three of the following five categories up to the maximum indicated. Courses which satisfy these requirements may overlap with major:

Creative and Imaginative Process (CIP) (Maximum ★6)

- AUART 111 - Studio Foundation I
- AUART 112 - Studio Foundation II - 3-D and Colour Theory
- AUART 113
- AUART 215 - Sculpture I
- AUART 231 - Drawing I
- AUART 232 - Drawing II
- AUART 271 - Painting I
- AUART 272 - Painting II
- AUART 298 - Selected Topics in Art Studio
- AUART 299 - Selected Topics in Art Studio
- AUART 331 - Drawing III
- AUART 371 - Painting III
- AUDRA 109 - Script Analysis and Production Preparation
- AUDRA 123 - Introduction to Oral Communication
- AUDRA 138 - Theatre Company
- AUDRA 139 - Theatre Company
- AUDRA 144 - Improvisation I: Introduction
- AUDRA 148 - Community Theatre
- AUDRA 209 - Script Analysis and Production Preparation
- AUDRA 220 - Introduction to Voice and Speech for Actors
- AUDRA 230 - Acting Techniques I
- AUDRA 233 - Clown and Mask
- AUDRA 238 - Theatre Company
- AUDRA 239 - Theatre Company
- AUDRA 244 - Improvisation II: Workshop and Performance
- AUDRA 309 - Script Analysis and Production Preparation
- AUDRA 344 - Improvisation III: Applied Improvisation
- AUDRA 345
- AUDRA 384 - Playwriting
- AUDRA 391 - Intermediate Production Lab
- AUDRA 409 - Script Analysis and Production Preparation
- AUDRA 509 - Script Analysis and Production Preparation
- AUDRA 538 - Theatre Production
- AUDRA 539 - Theatre Production
- AUENG 215 - Creative Writing
- AUENG 314 - Advanced Creative Writing: Poetry
- AUENG 316 - Advanced Creative Writing: Fiction
- AUENG 317 - Expository Writing
- AUENG 318 - Creative Writing Long Manuscript, Novel
- AUENG 319 - Playwriting
- AUMUS 127 - Voice Class
- AUMUS 140 - Augustana Choir
- AUMUS 141 - The Augustana Choir
- AUMUS 142 - Choral Ensemble
- AUMUS 143 - Choral Ensemble
- AUMUS 144 - Choral Ensemble
- AUMUS 149 - Instrumental Ensemble
- AUMUS 170 - Tuning In: An Introduction to Music
- AUMUS 188 - Concerto
- AUMUS 189 - Service Playing
- AUMUS 190 - Applied Music
- AUMUS 191 - Applied Music
- AUMUS 192 - Applied Music
- AUMUS 193 - Applied Music
- AUMUS 194 - Applied Music
- AUMUS 195 - Applied Music
- AUMUS 196 - Applied Music
- AUMUS 197 - Applied Music
- AUMUS 231 - Lyric Diction
- AUMUS 235 - Introduction to Conducting
- AUMUS 240 - Augustana Choir
- AUMUS 241 - The Augustana Choir
- AUMUS 242 - Choral Ensemble
- AUMUS 243 - Choral Ensemble
- AUMUS 244 - Choral Ensemble
- AUMUS 249 - Instrumental Ensemble
- AUMUS 265 - Introduction to Composition
- AUMUS 288 - Concerto
- AUMUS 289 - Service Playing
- AUMUS 290 - Applied Music
- AUMUS 291 - Applied Music
- AUMUS 292 - Applied Music
- AUMUS 293 - Applied Music
- AUMUS 294 - Applied Music
- AUMUS 295 - Applied Music

- AUMUS 296 - Applied Music
- AUMUS 297 - Applied Music
- AUMUS 298 - Fundamental Keyboard Skills
- AUMUS 299 - Fundamental Keyboard Skills
- AUMUS 336 - Advanced Conducting
- AUMUS 340 - Augustana Choir
- AUMUS 341 - The Augustana Choir
- AUMUS 342 - Choral Ensemble
- AUMUS 343 - Choral Ensemble
- AUMUS 344 - Choral Ensemble
- AUMUS 347 - Chamber Ensemble
- AUMUS 349 - Instrumental Ensemble
- AUMUS 388 - Concerto
- AUMUS 389 - Service Playing
- AUMUS 390 - Applied Music
- AUMUS 391 - Applied Music
- AUMUS 392 - Applied Music
- AUMUS 394 - Applied Music
- AUMUS 395 - Applied Music
- AUMUS 398 - Fundamental Keyboard Skills
- AUMUS 399 - Fundamental Keyboard Skills
- AUMUS 440 - Augustana Choir
- AUMUS 442 - Choral Ensemble
- AUMUS 443 - Choral Ensemble
- AUMUS 444 - Choral Ensemble
- AUMUS 447 - Chamber Ensemble
- AUMUS 449 - Instrumental Ensemble
- AUMUS 488 - Concerto
- AUMUS 490 - Applied Music
- AUMUS 492 - Applied Music
- AUMUS 498 - Fundamental Keyboard Skills
- AUMUS 499 - Fundamental Keyboard Skills
- AUMUS 540 - Augustana Choir
- AUMUS 541 - Augustana Choir
- AUMUS 542 - Choral Ensemble
- AUMUS 543 - Choral Ensemble
- AUMUS 544 - Choral Ensemble
- AUMUS 547 - Chamber Ensemble
- AUMUS 549 - Instrumental Ensemble
- AUMUS 588 - Concerto
- AUMUS 590 - Applied Music
- AUMUS 591 - Applied Music
- AUMUS 592 - Applied Music
- AUMUS 593 - Applied Music
- AUMUS 594 - Applied Music
- AUMUS 595 - Applied Music
- AUMUS 596 - Performance Studies II
- AUMUS 597 - Applied Music
- AUMUS 598 - Fundamental Keyboard Skills
- AUMUS 599 - Fundamental Keyboard Skills

Diversity and Global Studies (DGS) (Maximum ★6)

- (See Note 1)
- AUCLA 194 - Selected Topics in Greek and Roman Art and Archaeology Tour
- AUCLA 294 - Selected Topics in Greek and Roman Art and Archaeology Tour
- AUCRI 224 - Studies in Deviant Behaviour
- AUCRI 453 - Women and the Law
- AUDRA 344 - Improvisation III: Applied Improvisation
- AUDRA 345
- AUECO 252 - India Tour Orientation
- AUECO 254 - India Tour
- AUECO 264 - Globalization and Growth
- AUECO 354 - Economic Development and Institutional Change in China
- AUECO 356 - China Tour: Experiencing Development and Change
- AUECO 360 - International Economics
- AUECO 361
- AUECO 362
- AUECO 363 - International Finance
- AUECO 364 - Development Economics
- AUECO 463 - International Finance
- AUECO 465 - International Trade Policy and Applications
- AUENG 205 - Children's Literature
- AUENG 206 - Native Children's Literature
- AUENG 207 - Aboriginal/Indigenous Literature
- AUENG 292 - Feminist Critical Theory and Women's Writing
- AUENG 305 - Children's Literature

- AUENG 306 - Native Children's Literature
- AUENG 307 - Aboriginal/Indigenous Literature
- AUENG 392 - Feminist/Critical Theory and Women's Writing
- AUFRE 101 - Beginners' French I
- AUFRE 102 - Beginners' French II
- AUFRE 201 - Intermediate French I
- AUFRE 202 - Intermediate French II
- AUFRE 301 - Advanced French I
- AUGDS 222 - Development Studies Seminar
- AUGDS 223 - Development Studies Practicum
- AUGDS 224 - Development Studies Seminar (Canada)
- AUGDS 225 - Development Studies Practicum (Canada)
- AUGDS 322 - Development Studies Seminar
- AUGDS 323 - Development Studies Practicum
- AUGDS 324 - Development Studies Seminar (Canada)
- AUGDS 325 - Development Studies Practicum (Canada)
- AUGDS 427
- AUGDS 428
- AUGEO 242 - Cultural Geography of Scandinavia
- AUGER 101 - Beginners' German I
- AUGER 102 - Beginners' German II
- AUGER 200 - Intermediate German I and II
- AUGER 201 - Intermediate German I
- AUGER 202 - Intermediate German II
- AUGER 300 - Advanced German I and II
- AUGER 301 - Advanced German I
- AUGER 302 - Advanced German II
- AUGER 400 - Advanced German III and IV
- AUGER 425 - German Language Teaching and Learning
- AUGER 525 - German Language Teaching and Learning
- AUHIS 121 - Topics in Global History
- AUHIS 327
- AUHIS 334
- AUHIS 369 - History of Canada's Aboriginal Peoples
- AUIND 101 - Introduction to Indigenous Studies
- AUIND 200 - Selected Topics in Indigenous Studies
- AUIND 201 - Introduction to Indigenous Studies
- AUIND 300 - Selected Topics in Indigenous Studies
- AUIND 367 - The Fur Trade
- AUIND 370 - Oral History
- AUIND 390 - Directed Studies in Indigenous Studies
- AUIND 399 - Theories in Indigenous Studies
- AUIND 400 - Selected Topics in Indigenous Studies
- AUIND 467 - The Fur Trade
- AUIND 470 - Oral History
- AUIND 490 - Directed Studies in Indigenous Studies
- AUIND 499 - Theories in Indigenous Studies
- AUMUS 170 - Tuning In: An Introduction to Music
- AUPED 266 - Women in Sport and Physical Activity
- AUPHI 390 - Indigenous Thought: First Nations Thought and Knowledge
- AUPHI 392 - World Philosophy: Comparing Perspectives
- AUPOL 240 - Introduction to International Relations I
- AUPOL 241
- AUPOL 250 - Introduction to Comparative Politics
- AUPOL 325 - Contemporary Issues in the Politics of Indigenous Peoples
- AUPOL 341 - The Global South and World Politics
- AUPOL 343 - Selected Topics in International Political Economy
- AUPOL 344 - Selected Topics in International Relations
- AUPOL 346 - United States Foreign Policy
- AUPOL 349 - Ethics in World Politics
- AUPOL 350 - Comparative European Politics
- AUPOL 355 - Gender and Politics
- AUPOL 356 - China Tour: Experiencing Development and Change
- AUPOL 357 - Selected Topics in Comparative Politics
- AUPOL 358 - Economic Development and Institutional Change in China
- AUPOL 411 - International Relations Theory
- AUPOL 443 - Selected Topics in International Political Economy
- AUPOL 444 - Selected Topics in International Relations
- AUPOL 449 - Ethics in World Politics
- AUPOL 453 - Women and the Law
- AUPSY 338 - Intimate Relationships and Human Sexuality
- AUPSY 442 - Psychology in a Cultural Context
- AUREL 100 - Exploring Religious Meaning
- AUREL 260 - India Tour Orientation
- AUREL 263 - Spirituality and Globalization
- AUREL 266 - India Tour

- AUREL 270 - Selected topics in Religion and Public Life
- AUREL 271 - Selected Topics in Religion and Public Life
- AUREL 272 - Selected Topics in Religion and Public Life
- AUREL 282 - Major Religious Traditions: Middle East
- AUREL 283 - Major Religious Traditions: South Asia
- AUSCA 101 - Beginners' Norwegian I
- AUSCA 102 - Beginners' Norwegian II
- AUSCA 142 - Viking Age Mythology
- AUSCA 201 - Intermediate Norwegian I
- AUSCA 202 - Intermediate Norwegian II
- AUSCA 231 - Scandinavian Culture and Civilization
- AUSOC 105 - Social Anthropology
- AUSOC 218 - Sociology of Global and Development Issues
- AUSOC 224 - Sociology of Deviant Behaviour
- AUSOC 263 - The Social Theory of Community
- AUSOC 271 - The Family
- AUSOC 275 - Sex, Gender, and Society
- AUSOC 341 - Sociology of Food
- AUSOC 377 - Contemporary Theories of Gender
- AUSOC 391 - Social Change from Development to Globalization
- AUSPA 101 - Beginners' Spanish I
- AUSPA 102 - Beginners' Spanish II
- AUSPA 103 - Introductory Spanish I
- AUSPA 104 - Introductory Spanish II
- AUSPA 201 - Intermediate Spanish I
- AUSPA 202 - Intermediate Spanish II
- AUSPA 203 - Intermediate Spanish I
- AUSPA 204 - Intermediate Spanish II
- AUSPA 240 - Development Studies Seminar
- AUSPA 241 - Development Studies Practicum
- AUSPA 301 - Advanced Spanish I
- AUSPA 302 - Advanced Spanish II
- AUSPA 303 - Advanced Spanish I
- AUSPA 304 - Advanced Spanish II
- AUSPA 340 - Development Studies Seminar
- AUSPA 341 - Development Studies Practicum
- AUSPA 404 - Advanced Spanish III
- AUSPA 405 - Advanced Spanish IV

Environmental Sustainability (ES) (Maximum ★6)

- AUBIO 253 - Ecological Interactions
- AUBIO 322 - Economic Botany
- AUBIO 334 - Field Studies in Environmental Science and Ecology
- AUBIO 350 - Conservation Theory and Biodiversity in Tropical Systems
- AUBIO 351 - Biogeography
- AUBIO 353
- AUBIO 354 - Freshwater Ecology and Management
- AUBIO 355 - Ecological Dynamics
- AUBIO 450
- AUECO 341 - Environmental Economics
- AUENG 268 - Women and Environmental Literature
- AUENG 269 - The End of the World: Contemporary Apocalyptic Literature
- AUENG 368 - Women and Environmental Literature
- AUENG 369 - The End of the World: Contemporary Apocalyptic Literature
- AUENV 120 - Human Activities and the Natural Environment
- AUENV 233 - Soil Science and Soil Resources
- AUENV 252 - Wildlife Diversity of Alberta
- AUENV 268 - Women and Environmental Literature
- AUENV 269 - The End of the World: Contemporary Apocalyptic Literature
- AUENV 320 - Parks and Wilderness
- AUENV 322 - Economic Botany
- AUENV 324 - Resource and Environmental Management
- AUENV 327 - Environmental Education and Heritage Interpretation
- AUENV 328 - Environmental Politics
- AUENV 334 - Field Studies in Environmental Science and Ecology
- AUENV 335 - Wildlife Ecology and Management
- AUENV 341 - Environmental Economics
- AUENV 344 - Environmental Psychology
- AUENV 345 - Religion and Ecology
- AUENV 350 - Conservation Theory and Biodiversity in Tropical Systems
- AUENV 353
- AUENV 354 - Freshwater Ecology and Management
- AUENV 358 - Environmental Sociology
- AUENV 368 - Women and Environmental Literature
- AUENV 369 - The End of the World: Contemporary Apocalyptic Literature
- AUENV 375 - Canadian Environmental History

- AUGEO 324
- AUENV 420 - Parks and Wilderness
- AUENV 421 - Environmental Science: History and Impacts
- AUENV 425 - Environmental Impact Assessment
- AUENV 450
- AUENV 475 - Canadian Environmental History
- AUGEO 120
- AUGEO 233
- AUGEO 320
- AUGEO 324
- AUGEO 351 - Biogeography
- AUGEO 354
- AUGEO 420
- AUHIS 375 - Canadian Environmental History
- AUHIS 475 - Canadian Environmental History
- AUIND 101 - Introduction to Indigenous Studies
- AUIND 201 - Introduction to Indigenous Studies
- AUIND 367 - The Fur Trade
- AUIND 467 - The Fur Trade
- AUMAT 332 - Mathematical Ecology and Dynamical Systems
- AUPHI 355 - Philosophy and the Environment
- AUPOL 328 - Environmental Politics
- AUPSY 344 - Environmental Psychology
- AUREL 345 - Religion and Ecology
- AUSOC 358 - Environmental Sociology

Experiential Learning (EL) (Maximum ★6)

- (See Notes 1 and 2)
- AUBIO 319 - Directed Studies I
- AUBIO 334 - Field Studies in Environmental Science and Ecology
- AUBIO 359
- AUBIO 419 - Directed Studies II
- AUBIO 459 - Field Studies in Tropical Ecology and Conservation
- AUCSC 401 - Professional Practicum I
- AUCSC 402 - Professional Practicum II
- AUCSL 100 - An Introduction to Community Engagement
- AUCSL 300 - Theory and Practice of Community Service-Learning
- AUCSL 350 - Selected Topics in Community Service-Learning
- AUCSL 360 - Community Service-Learning Practicum
- AUCSL 361 - Community Service-Learning Practicum
- AUCSL 480 - Directed Study in Community Service-Learning
- AUDRA 244 - Improvisation II: Workshop and Performance
- AUDRA 391 - Intermediate Production Lab
- AUECO 254 - India Tour
- AUECO 356 - China Tour: Experiencing Development and Change
- AUECO 361
- AUECO 362
- AUECO 390 - Economics Internship
- AUENV 260 - Environmental Studies Practicum
- AUENV 261 - Environmental Science Practicum
- AUENV 334 - Field Studies in Environmental Science and Ecology
- AUENV 359
- AUENV 459 - Field Studies in Tropical Ecology and Conservation
- AUFRE 308 - Tour of Southern France
- AUGDS 222 - Development Studies Seminar
- AUGDS 223 - Development Studies Practicum
- AUGDS 224 - Development Studies Seminar (Canada)
- AUGDS 225 - Development Studies Practicum (Canada)
- AUGDS 322 - Development Studies Seminar
- AUGDS 323 - Development Studies Practicum
- AUGDS 324 - Development Studies Seminar (Canada)
- AUGDS 325 - Development Studies Practicum (Canada)
- AUGDS 427
- AUGDS 428
- AUGDS 400 - Capstone Research Seminar
- AUGEO 343 - Expedition in the Canadian North
- AUGER 200 - Intermediate German I and II
- AUGER 300 - Advanced German I and II
- AUGER 400 - Advanced German III and IV
- AUGER 415 - German Immersion Community Service-Learning
- AUGER 525 - German Language Teaching and Learning
- AUHIS 327
- AUHIS 333 - Tour of Southern France
- AUHIS 334
- AUHIS 467 - The Collaborative Research Seminar: Selected Topics in Canadian History

- AIDS 242 - Introduction to Writing Centre Practices
- AIDS 244 - Introduction to Peer Tutoring and Second-Language Learning Practices in the Writing Centre
- AIDS 260
- AIDS 286 - Selected Topics in Place-Based Studies
- AIDS 287 - Topics in Place-Based Learning
- AIDS 386 - Selected Topics in Place-Based Studies
- AIDS 387 - Topics in Place-Based Learning
- AUMGT 399 - Management Internship
- AUMUS 375 - Co-op Education Studies I
- AUMUS 475 - Co-op Education Studies II
- AUPED 184 - Introduction to Outdoor Education - Snowshoeing
- AUPED 185 - Introduction to Ski Touring
- AUPED 281 - Explorations of the Canadian North
- AUPED 283 - Introduction to Outdoor Education - Backpacking
- AUPED 284 - Introduction to Outdoor Education - Canoeing
- AUPED 285 - Introduction to Ski Touring
- AUPED 286 - Outdoor Education and Leadership
- AUPED 292 - Physical Education Practicum
- AUPED 385 - Advanced Ski Touring
- AUPED 388 - Arctic Canoe Expedition
- AUPOL 248 - Model United Nations/International Organization
- AUPOL 348 - Model United Nations/International Organization
- AUPOL 356 - China Tour: Experiencing Development and Change
- AUPOL 399 - Political Internship
- AUPSY 393 - Research Experience
- AUPSY 414 - Program Evaluation in Psychology
- AUREL 266 - India Tour
- AUSOC 339 - Fieldwork Methodology
- AUSPA 240 - Development Studies Seminar
- AUSPA 241 - Development Studies Practicum
- AUSPA 340 - Development Studies Seminar
- AUSPA 341 - Development Studies Practicum
- AUGER 425 - German Language Teaching and Learning

Integrating Knowledge (IK) (Maximum ★6)

- (See Note 1)
- AUART 367
- AUART 467
- AUBIO 411 - History and Theory of Biology
- AUCRI 160 - Introduction to Crime, Correction, and Community
- AUCRI 453 - Women and the Law
- AUDRA 367 - Critical Discourse and the Fine Arts
- AUDRA 467 - Critical Discourse and the Fine Arts
- AUECO 252 - India Tour Orientation
- AUECO 254 - India Tour
- AUECO 354 - Economic Development and Institutional Change in China
- AUECO 356 - China Tour: Experiencing Development and Change
- AUECO 361
- AUECO 362
- AUENG 268 - Women and Environmental Literature
- AUENG 368 - Women and Environmental Literature
- AUENV 268 - Women and Environmental Literature
- AUENV 368 - Women and Environmental Literature
- AUENV 421 - Environmental Science: History and Impacts
- AUFRE 307 - Topics in the History and Culture of Southern France
- AUGDS 222 - Development Studies Seminar
- AUGDS 223 - Development Studies Practicum
- AUGDS 224 - Development Studies Seminar (Canada)
- AUGDS 225 - Development Studies Practicum (Canada)
- AUGDS 322 - Development Studies Seminar
- AUGDS 323 - Development Studies Practicum
- AUGDS 324 - Development Studies Seminar (Canada)
- AUGDS 325 - Development Studies Practicum (Canada)
- AUGDS 400 - Capstone Research Seminar
- AUGEO 341 - Geography of the Canadian North
- AUGEO 342 - Geography of the Canadian North
- AUHIS 329 - Topics in the History and Culture of Southern France
- AUHIS 334
- AIDS 100 - The World in Progress: Inquiry in the Social Sciences
- AIDS 101 - Topics in Liberal Studies
- AIDS 110 - Interdisciplinary Science Projects I
- AIDS 137 - Science Laboratory Experiences
- AIDS 160 - Introduction to Crime, Correction, and Community
- AIDS 210 - Interdisciplinary Science Projects II
- AIDS 230 - Introduction to Women's Studies

- AIDS 311
- AUIND 101 - Introduction to Indigenous Studies
- AUIND 201 - Introduction to Indigenous Studies
- AUIND 367 - The Fur Trade
- AUIND 370 - Oral History
- AUIND 399 - Theories in Indigenous Studies
- AUIND 467 - The Fur Trade
- AUIND 470 - Oral History
- AUIND 499 - Theories in Indigenous Studies
- AUMGT 360 - Hockey: Culture and Commerce
- AUMAT 480 - History of Mathematics and Physics
- AUMUS 231 - Lyric Diction
- AUMUS 367
- AUMUS 467
- AUPED 360 - Hockey: Culture and Commerce
- AUPED 387 - Arctic Expedition Planning
- AUPHI 345 - Philosophy in Canada
- AUPHY 480 - History of Physics and Mathematics
- AUPOL 356 - China Tour: Experiencing Development and Change
- AUPOL 358 - Economic Development and Institutional Change in China
- AUPOL 400 - Research Seminar
- AUPOL 453 - Women and the Law
- AUREL 259 - Bioethics, Suffering and the Soul
- AUREL 260 - India Tour Orientation
- AUREL 266 - India Tour
- AUSPA 240 - Development Studies Seminar
- AUSPA 241 - Development Studies Practicum
- AUSPA 340 - Development Studies Seminar
- AUSPA 341 - Development Studies Practicum
- INT D 301 - Foundations of Leadership
- INT D 306 - Topics in Leadership

Notes

1. The combination of AUECO 361/AUHIS 327 and AUECO 362/AUHIS 334 comprises ★3 in this category.
2. Non-AUCSL courses that include an approved CSL component qualify for inclusion in the EL category. These offerings may change annually, so contact an Academic Advisor for more information.

BKin/BEEd (Elementary Route) Five-Year Combined Degrees

General Information

This degree program consists of ★159 overall. The first three years (★90) are taken in the Faculty of Physical Education and Recreation (see Registration Requirements) and the last two years (★69) while registered taken in the Faculty of Education.

Program Requirements

Year 1 (★33)

- EDU 100 - Contexts of Education
- ★3 MATH or STAT (MATH 160 recommended)
- KIN 100 - Human Anatomy
- KIN 101 - Introduction to Human Physiology
- KIN 293 - Introduction to the Movement Activities of Children
- PERLS 104 - Introduction to Sociology of Sport and Leisure in Canadian Society
- PERLS 105 - Introduction to the Management of Sport, Physical Activity and Recreation Programs
- ★3 PAC/DAC/DANCE
- ★3 Open Option

★6 chosen from

- ★6 ENGL or ★3 ENGL and ★3 WRS

Year 2 (★33)

- DANCE 431 - Study of Dance for Children
- EDU 211 - Aboriginal Education and Contexts for Professional and Personal Engagement

- HE ED 220 - Introduction to the Biological Aspects of Fitness to Health
- KIN 200 - Physiology of Exercise
- KIN 203 - Skill Acquisition and Performance
- KIN 205 - Introduction to Outdoor Environmental Education
- KIN 206 - Biomechanics
- KIN 245 - Introduction to the Profession of Coaching
- PERLS 204 - Canadian History of Leisure, Sport, and Health
- PERLS 207 - Adapted Physical Activity and Leisure for Diverse Populations
- ★3 PAC/DAC/DANCE

Year 3 (★33)

- EDU 210 - Introduction to Educational Technology
-
- HE ED 321 - Psychological Dimensions of Health Promotion **OR**
- KIN 303 - Psychology of Sport and Physical Activity
-
- PAC 325 - The Study of Games for Children and Youth
- PAC 365 - The Study of Gymnastics for Children and Youth
-
- KIN 240 - Introduction to Sports Injury Management **OR**
- KIN 338 - Physical Activity and Sport Participation in Children and Youth
-
- 1. KIN 207 - Physical Growth and Psychomotor Development
- 2.
- 3. KIN 471 - Physical Activity for Individuals with Developmental Impairments **OR**
- 4. PERLS 323 - Aboriginal Peoples and Physical Practices: Canadian Perspectives
- 5.
- 6. PERLS 304 - Advanced Sociology of Sport and Leisure
- 7. PERLS 371 - Assessment and Evaluation in Physical Activity for Children and Youth
- 8. ★3 PAC/DAC/DANCE
- 9. ★3 Open option

Year 4 (★30)

Fall Term: Course Requirements

- EDEL 305 - Language Arts in the Elementary School
-
- EDEL 316 - Communication Through Mathematics Education **OR**
- EDEL 321 - Introduction to Curriculum and Pedagogy in Elementary School Physical Education
-
- EDPY 302 - Learning and Development in Childhood
- Aboriginal and Indigenous Histories and Culture [See Education Education Courses (★9).] (★3)
- Open Option (★3)

Winter Term: Introductory Professional Term Requirements

- Courses in the IPT are normally taken concurrently.
- EDFX 325 - Elementary Route: Introductory Field Experience
-
- EDEL 316 - Communication Through Mathematics Education **OR**
- EDEL 321 - Introduction to Curriculum and Pedagogy in Elementary School Physical Education
-
- EDPY 303 - Educational Assessment

★3 chosen from

- EDEL 302 - Curriculum and Pedagogy in Elementary School Art
- EDEL 325 - Curriculum and Pedagogy in Elementary School Music
- EDEL 330 - Curriculum and Pedagogy in Elementary School Science
- EDEL 335 - Curriculum and Pedagogy in Elementary School Social Studies

Year 5 (★30)

Fall Term: Advanced Professional Term

- Courses in the APT are normally taken concurrently.
- EDFX 425 - Elementary Route: Advanced Field Experience
- EDPY 301 - Introduction to Inclusive Education: Adapting Classroom Instruction for Students with Special Needs

★3 chosen from

- EDEL 302 - Curriculum and Pedagogy in Elementary School Art
- EDEL 325 - Curriculum and Pedagogy in Elementary School Music
- EDEL 330 - Curriculum and Pedagogy in Elementary School Science

- EDEL 335 - Curriculum and Pedagogy in Elementary School Social Studies

Winter Term: Course Requirements

- EDEL (300-Level) Option (★3)
- EDEL (400-Level) Option (★3)
- EDPS 410 - Ethics and Law in Teaching
- Education Elective (★3)
- Open Option (★3)

Notes

1. A minimum of ★18 is required in DAC/PAC/DANCE Activity courses.
2. A maximum of ★24 may be taken in DAC/PAC/DANCE Activity courses.
3. Students are encouraged to select PAC/DAC/DANCE courses appropriate for teaching the Alberta Physical Education Program of Study. Students must present at least ★3 in the following areas:
 - Alternative Environments (KIN 205)
 - Dance (DANCE 431)
 - Games (PAC 325)
 - Gymnastics (PAC 365)
 - Individual Activity (★3 from PAC 156, PAC 173, PAC 174, PAC 197, PAC 355, PAC 356, PAC 370)

BKin/BEEd (Secondary Route) Combined Degrees

General Information

See also Bachelor of Kinesiology/Bachelor of Education (BKin/BEEd) Combined Degrees Elementary and Secondary Routes, Combined Bachelor of Kinesiology/Bachelor of Education (BKin/BEEd) (Elementary or Secondary Routes) and Registration Requirements.

The Bachelor of Kinesiology/Bachelor of Education Combined Degrees program consists of ★159 over five years, during which Physical Education courses and Education courses are studied concurrently. Students initially apply for admission to the Faculty of Physical Education and Recreation and are considered registered in that Faculty for the first three years. Students are registered in the Faculty of Education for the final two years. (See Bachelor of Kinesiology/Bachelor of Education (BKin/BEEd) Combined Degrees Elementary and Secondary Routes for detailed admission requirements to the Faculty of Education for this combined degree.)

Program Requirements (Secondary Route)

This information may also be found in Program Requirements (Secondary Route).

Year 1 (★33) Taken in the Faculty of Physical Education and Recreation

- EDU 100 - Contexts of Education
- PAC/DAC (★3)
- KIN 100 - Human Anatomy
- KIN 101 - Introduction to Human Physiology
- KIN 294 - A Conceptual Approach to Physical Activity
- PERLS 104 - Introduction to Sociology of Sport and Leisure in Canadian Society
- PERLS 105 - Introduction to the Management of Sport, Physical Activity and Recreation Programs
- ★6 of Minor courses

★6 chosen from

- ENGL or ★3 in ENGL and ★3 in WRS

Year 2 (★33) Taken in the Faculty of Physical Education and Recreation

- EDU 211 - Aboriginal Education and Contexts for Professional and Personal Engagement
- HE ED 220 - Introduction to the Biological Aspects of Fitness to Health
- PAC/DAC (★3)
- KIN 200 - Physiology of Exercise
- KIN 203 - Skill Acquisition and Performance
- KIN 206 - Biomechanics
- KIN 245 - Introduction to the Profession of Coaching

- PERLS 204 - Canadian History of Leisure, Sport, and Health
- PERLS 207 - Adapted Physical Activity and Leisure for Diverse Populations
- ★6 of Minor courses

Year 3 (★33) Taken in the Faculty of Physical Education and Recreation

- EDU 210 - Introduction to Educational Technology
- HE ED 321 - Psychological Dimensions of Health Promotion **OR**
- KIN 303 - Psychology of Sport and Physical Activity
- KIN 205 - Introduction to Outdoor Environmental Education
- KIN 240 - Introduction to Sports Injury Management
- KIN 207 - Physical Growth and Psychomotor Development
- KIN 471 - Physical Activity for Individuals with Developmental Impairments **OR**
- KIN 472 - Physical Activity for Individuals with Physical Impairments **OR**
- PERLS 323 - Aboriginal Peoples and Physical Practices: Canadian Perspectives
- PERLS 304 - Advanced Sociology of Sport and Leisure
- PERLS 371 - Assessment and Evaluation in Physical Activity for Children and Youth
- PAC/DAC (★3)
- ★6 of Minor courses

Years 4 and 5 (★60) Taken in the Faculty of Education

- Students should refer to their individual Program Sheet for proper course sequencing.

Course Requirements (★30)

- EDSE 3XX (Minor) (★3)
- EDPS 410 - Ethics and Law in Teaching
- EDPY 301 - Introduction to Inclusive Education: Adapting Classroom Instruction for Students with Special Needs
- EDPY 304 - Adolescent Development and Learning
- PAC/DAC (★9)
- Open Options (★9)

Field Experience Terms (★30)

- Courses taken in the Field Experience Terms are normally taken concurrently

Introductory Professional Term (★15)

- EDFX 350 - Secondary Route Field Experience for the Introductory Professional Term
- EDPY 303 - Educational Assessment
- EDSE 307 - Language, Literacy and Society in Educational Contexts
- EDSE 347 - Curriculum and Teaching for Secondary School Physical Education Majors I

Advanced Professional Term (★15)

- EDFX 450 - Secondary Route: Advanced Field Experience
- EDSE 451 - Integrating Theory and Classroom Practice in the Advanced Professional Term
- EDSE 447 - Curriculum and Teaching for Secondary School Physical Education Majors II

BMus/BEEd Five-Year Combined Degrees

General Information

The Department of Music and the Faculty of Education offer two five-year integrated programs of ★162 each, leading to the degrees of Bachelor of Music and Bachelor of Education (Elementary), and Bachelor of Music and Bachelor of Education (Secondary). The first three years (★99) are taken in the Faculty of Arts and the last two years (★63) are taken in the Faculty of Education.

BMus/BEd Major Requirements

BMus/BEd (Elementary)

Program Requirements

Year 4 and 5 (★30) Taken in the Faculty of Education

- Students should refer to their individual Program Sheet for proper course sequencing.

Course Requirements:

- EDU 210 - Introduction to Educational Technology
- EDEL 302 - Curriculum and Pedagogy in Elementary School Art
- EDEL 305 - Language Arts in the Elementary School
- EDEL 316 - Communication Through Mathematics Education
- EDEL 321 - Introduction to Curriculum and Pedagogy in Elementary School Physical Education
-
- EDEL 325 - Curriculum and Pedagogy in Elementary School Music **OR**
- EDEL 328 - Music Literacy: The Child
-
- EDEL 330 - Curriculum and Pedagogy in Elementary School Science
- EDEL 335 - Curriculum and Pedagogy in Elementary School Social Studies
- EDEL 400-Level (★3). EDEL 425 or 428 recommended
- EDFX 325 - Elementary Route: Introductory Field Experience
- EDFX 425 - Elementary Route: Advanced Field Experience
- EDPS 410 - Ethics and Law in Teaching
- EDPY 301 - Introduction to Inclusive Education: Adapting Classroom Instruction for Students with Special Needs
- EDPY 302 - Learning and Development in Childhood
- EDPY 303 - Educational Assessment
- Education Elective (★3)
- ★3 Element a. Aboriginal and Indigenous Histories and Culture. See Components of the Program.
- ★3 Element f. Physical and Health Education. See Components of the Program.

BMus/BEd (Secondary)

Program Requirements

Note: Years 1, 2, and 3 are completed in the Faculty of Arts. Years 4 and 5 are completed in the Faculty of Education.

This information may also be found in BMus/BEd (Secondary) [Arts].

Year 1 (★33) Taken in the Faculty of Arts

- Approved junior ENGL (★6)
- MUSIC 125 - Applied Music
-
- MUSIC 102 - Introduction to World Music See Notes Below **OR**
- MUSIC 129 - Fundamental Keyboard Skills See Notes Below
-
- MUSIC 140 - Choral Ensemble **OR**
- MUSIC 141 - Instrumental Ensemble
-
- MUSIC 151 - Aural and Keyboard Skills I
- MUSIC 155 - Music Theory I
- MUSIC 156 - Music Theory II
- Minor: choose any course from the specific teaching minor (★6)

Notes

1. MUSIC 129 must be taken by those students who have failed the Piano Proficiency Examination.
2. MUSIC 102 must be taken by those students who have passed the Piano Proficiency Examination.

Year 2 (★33) Taken in the Faculty of Arts

- EDU 100 - Contexts of Education
- MUSIC 102 - Introduction to World Music
- MUSIC 225 - Applied Music
- MUSIC 245 - Introduction to Music Technologies
- MUSIC 251 - Aural and Keyboard Skills II

- MUSIC 255 - Music Theory III
- MUSIC 256 - Music Theory IV
-
- MUSIC 440 - Choral Ensemble **OR**
- MUSIC 441 - Instrumental Ensemble
-
- Second Language: choose from any one language other than English (★9)

Year 3 (★33) Taken in the Faculty of Arts

- EDU 211 - Aboriginal Education and Contexts for Professional and Personal Engagement
- MUSIC 213 - Woodwind Techniques
- MUSIC 214 - Brass Techniques
- MUSIC 215 - Percussion Techniques
- MUSIC 280 - Introduction to the Study of Western Music History
- MUSIC 315 - Introduction to Conducting
- MUSIC 425 - Applied Music
- MUSIC option (★3)
- EDSE 3XX (minor) (★3)
- Minor: choose any course from the specific Teaching minor (★3)

Year 4 and 5 (★63) Taken in the Faculty of Education

- Students should refer to their individual Program Sheet for proper course sequencing.

Course Requirements (★33):

- MUSIC 230 - Choral Techniques and Pedagogy
-
- MUSIC 440 - Choral Ensemble **OR**
- MUSIC 441 - Instrumental Ensemble
-
- MUSIC 103 - Introduction to Popular Music **OR**
- MUSIC 206 - History of Jazz **OR**
- MUSIC 314 - Music in Canada **OR**
- MUSIC 365 - Topics in Ethnomusicology
-
- MUSIC 283 - Western Art Music, 1600-1850 **OR**
- MUSIC 284 - Western Art Music, 1850-present
-
- MUSIC 416 - Instrumental Conducting **OR**
- MUSIC 417 - Choral Conducting and Pedagogy **OR**
- MUSIC 431 - Band Techniques
-
- EDPS 410 - Ethics and Law in Teaching
- EDPY 301 - Introduction to Inclusive Education: Adapting Classroom Instruction for Students with Special Needs
- EDPY 304 - Adolescent Development and Learning
- Minor: choose any courses from the specific Teaching minor (★9)

Field Experience Terms (★30)

- Courses taken in the Field Experience Terms are normally taken concurrently

Introductory Professional Term (★15)

- EDFX 350 - Secondary Route Field Experience for the Introductory Professional Term
- EDPY 303 - Educational Assessment
- EDSE 307 - Language, Literacy and Society in Educational Contexts
- EDSE 343 - Curriculum and Teaching Music in the Secondary School: Wind Band I

Advanced Professional Term (★15)

- EDFX 450 - Secondary Route: Advanced Field Experience
- EDSE 443 - Curriculum and Teaching for Secondary School Music: Wind Band II
- EDSE 451 - Integrating Theory and Classroom Practice in the Advanced Professional Term

BSc (Specialization in Science and Education)/BEd (Secondary) Combined Degrees Program

General Information

The Faculties of Science and Education offer a combined degrees program that is more highly structured than the BSc followed by a BEd After Degree (a six-year route). It provides less flexibility in course choice and scheduling than taking the degrees sequentially, because it is designed to meet the minimum requirements of both degrees in five years. In addition, it must meet teacher certification requirements within this time frame.

Students will select a major and minor from the following choices: (1) Biological Sciences, (2) Mathematical Sciences, (3) Physical Sciences.

Students apply to the Faculty of Science for admission to the Combined Degrees Program and spend the first two years of the five-year program registered in the Faculty of Science. (See Bachelor of Science (Specialization in Science and Education)/Bachelor of Education (Secondary) Combined Degrees and BSc (Specialization in Science and Education)/BEd (Secondary) Combined Degrees Program).

Education Chart 3 Requirements for the BEd/ BSc (Specialization in Science and Education) Degree Majors and Minors

Note: Years 1 and 2 are completed in the Faculty of Science. Years 3, 4, and 5 are completed in the Faculty of Education

Biological Sciences Major/Mathematical Sciences Minor (★150)

Core Program Requirements

- Education: ★51
- Major: ★45
- Minor: ★27
- 100-level: ★30 (Maximum ★42)

Graduation Requirements:

- GPA of 2.3 on all courses
- GPA of 2.3 on Major courses

Area "B"

- ANTHR 230 - Anthropology of Science, Technology, and Environment
- BIOL 315 - Biology: An Historical Perspective
- CHRTC 350 - Science and Religion: Christian Perspectives
- CHRTC 352 - Bioethical Issues: Christian Perspectives
- CLASS 294 - Ancient Science, Technology, and Medicine
- HIST 294 - An Introduction to the History of Sciences, Technology, and Medicine
- HIST 391 - History of Technology
- HIST 394 - History of Astronomy and Cosmology from Stonehenge to the Space Age
- HIST 397 - History of Science I
- HIST 398 - History of Science II
- HIST 496 - Topics in the History of Science
- PHIL 217 - Biology, Society, and Values
- PHIL 265 - Philosophy of Science
- PHIL 317 - Philosophy of Biology
- PHIL 375 - Science and Society
- PHYS 261 - Physics of Energy
- STS 200 - Introduction to Studies in Science, Technology and Society
- WGS 250 - Gender and Science

Note: It is the student's responsibility to ensure that all prerequisites for higher level courses are met.

Year 1 (★30)

- BIOL 107 - Introduction to Cell Biology
- BIOL 108 - Introduction to Biological Diversity
- CHEM 101 - Introductory University Chemistry I (see note)
- CHEM 261 - Organic Chemistry I (see Note)
- ★3 Junior ENGL or WRS
- MATH 114 - Elementary Calculus I
- ★6 Arts Options
- EDU 100 - Contexts of Education

★3 chosen from

- MATH 115 - Elementary Calculus II
- MATH 125 - Linear Algebra I
- STAT 151 - Introduction to Applied Statistics I
- Note: Or CHEM 164 if you present a grade of 90% or higher in Chemistry 30.

Year 2 (★30)

- BIOL 207 - Molecular Genetics and Heredity
- BIOL 208 - Principles of Ecology
- BIOCH 200 - Introductory Biochemistry
- ★3 Junior ENGL or WRS
- EDU 211 - Aboriginal Education and Contexts for Professional and Personal Engagement
- ★6 in Biological Sciences at the 200-level
- ★6 in Mathematical Sciences at the 200-level

★3 chosen from

- MATH 115 - Elementary Calculus II
- MATH 125 - Linear Algebra I
- STAT 151 - Introduction to Applied Statistics I

Year 3 (★30)

- ★6 in Biological Sciences at the 200-level
- ★6 Area "B"
- ★6 Arts Options
- ★3 in Mathematical Sciences at the 300- or 400-level
- EDPY 304 - Adolescent Development and Learning
- EDU 210 - Introduction to Educational Technology

★3 chosen from

- MATH 115 - Elementary Calculus II
- MATH 125 - Linear Algebra I
- STAT 151 - Introduction to Applied Statistics I

Years 4 (★30)

- EDFX 350 - Secondary Route Field Experience for the Introductory Professional Term (5 weeks)
- EDSE 355 - Curriculum and Teaching for Secondary School Science Majors I (Major)
- EDSE 307 - Language, Literacy and Society in Educational Contexts
- EDPY 303 - Educational Assessment
- ★6 in Biological Sciences at the 200-, 300- or 400- level
- EDPY 301 - Introduction to Inclusive Education: Adapting Classroom Instruction for Students with Special Needs
- EDSE 338 - Curriculum and Teaching for Secondary School Mathematics Minors (Minor)
- EDPS 410 - Ethics and Law in Teaching

Note: Courses 1 through 4 above constitute the Introductory Professional Term and must be taken concurrently.

Years 5 (★30)

- EDFX 450 - Secondary Route: Advanced Field Experience (9 weeks)
- EDSE 451 - Integrating Theory and Classroom Practice in the Advanced Professional Term (Major)
- EDSE 455 - Curriculum and Teaching for Secondary School Science Majors II
- ★12 in Biological Sciences at the 300- or 400-level
- ★3 in Mathematical Sciences at the 300- or 400-level

Note: Courses 1 through 3 above constitute the Advanced Professional Term and must be taken concurrently.

Biological Sciences Major/Physical Sciences Minor (★150)

Core Program Requirements

- Education: ★51
- Major: ★42
- Minor: ★27
- 100-level: ★33 (Maximum ★42)

Graduation Requirements:

- GPA of 2.3 on all courses
- GPA of 2.3 on Major courses

Area “A”

- CHEM 211 - Quantitative Analysis I
- CHEM 263 - Organic Chemistry II
- PHYS 208 - Aspects of Modern Physics
- PHYS 271 - Introduction to Modern Physics

Area “B”

- ANTHR 230 - Anthropology of Science, Technology, and Environment
- BIOL 315 - Biology: An Historical Perspective
- CHRTC 350 - Science and Religion: Christian Perspectives
- CHRTC 352 - Bioethical Issues: Christian Perspectives
- CLASS 294 - Ancient Science, Technology, and Medicine
- HIST 294 - An Introduction to the History of Sciences, Technology, and Medicine
- HIST 391 - History of Technology
- HIST 394 - History of Astronomy and Cosmology from Stonehenge to the Space Age
- HIST 397 - History of Science I
- HIST 398 - History of Science II
- HIST 496 - Topics in the History of Science
- PHIL 217 - Biology, Society, and Values
- PHIL 265 - Philosophy of Science
- PHIL 317 - Philosophy of Biology
- PHIL 375 - Science and Society
- PHYS 261 - Physics of Energy
- STS 200 - Introduction to Studies in Science, Technology and Society
- WGS 250 - Gender and Science

Area “C”

- ASTRO 320 - Stellar Astrophysics I
- ASTRO 322 - Galactic and Extragalactic Astrophysics
- any 300-level CHEM **OR**
- PHYS 301 - Particles, Nuclei, and the Cosmos
- PHYS 308 - Statistical, Molecular, and Solid State Physics
- PHYS 310 - Thermodynamics and Kinetic Theory
- PHYS 311 - Statistical Physics
- PHYS 362 - Optics and Lasers
- PHYS 364 - Environmental Physics II
- Note: It is the student's responsibility to ensure all prerequisites for 300-level courses are met.

Year 1 (★30)

- BIOL 107 - Introduction to Cell Biology
- BIOL 108 - Introduction to Biological Diversity
- CHEM 101 - Introductory University Chemistry I
- CHEM 261 - Organic Chemistry I (see Note)
- ★3 Junior ENGL or WRS
- MATH 114 - Elementary Calculus I
- MATH 115 - Elementary Calculus II
- PHYS 124 - Particles and Waves **OR**
- PHYS 144 - Newtonian Mechanics and Relativity
- PHYS 126 - Fluids, Fields, and Radiation **OR**
- PHYS 146 - Fluids and Waves
- EDU 100 - Contexts of Education
- Note: Or CHEM 164 if you present a grade of 90% or higher in Chemistry 30.

Year 2 (★30)

- BIOL 207 - Molecular Genetics and Heredity

- BIOL 208 - Principles of Ecology
- BIOCH 200 - Introductory Biochemistry
- CHEM 102 - Introductory University Chemistry II
- ★3 Junior ENGL or WRS
- EDU 211 - Aboriginal Education and Contexts for Professional and Personal Engagement
- ★3 Area “A”
- ★3 in Biological Sciences at the 200-level
- ★6 Arts Options

Year 3 (★30)

- ★6 in Biological Sciences at the 200-level
- ★6 Area “B”
- EDU 210 - Introduction to Educational Technology
- PHYS 261 - Physics of Energy
- EDPY 304 - Adolescent Development and Learning
- ★6 in Arts Options
- ★3 Area “C”

Years 4 (★30)

- EDFX 350 - Secondary Route Field Experience for the Introductory Professional Term (5 weeks)
- EDSE 355 (Major)
- EDSE 307 - Language, Literacy and Society in Educational Contexts
- EDPY 303 - Educational Assessment
- ★6 in Biological Sciences at the 200-, 300- or 400- level
- EDPY 301 - Introduction to Inclusive Education: Adapting Classroom Instruction for Students with Special Needs
- EDPS 410 - Ethics and Law in Teaching
- EDSE 3XX (Minor) or Education Elective (see Note 2 below)

Notes

1. Courses 1 through 4 above constitute the Introductory Professional Term and must be taken concurrently.
2. EDSE 356 is not open to students whose major is Biological Sciences, Chemistry, General Sciences, Physical Sciences or Physics. These students must choose to either register for another EDSE (Minor) provided they meet the course prerequisites, **OR** register in an additional Education Elective.

Years 5 (★30)

- EDFX 450 - Secondary Route: Advanced Field Experience (9 weeks)
- EDSE 451 - Integrating Theory and Classroom Practice in the Advanced Professional Term
- EDSE 455 (Major)
- ★12 in Biological Sciences at the 300- or 400-level
- ★3 Area “C”

Note: Courses 1 through 3 above constitute the Advanced Professional Term and must be taken concurrently.

Mathematical Sciences Major/Biological Sciences Minor (★150)

Core Program Requirements

- Education: ★51
- Major: ★45
- Minor: ★24
- 100-level: ★33 (Maximum ★42)

Graduation Requirements:

- GPA of 2.3 on all courses
- GPA of 2.3 on Major courses

Area “B”

- ANTHR 230 - Anthropology of Science, Technology, and Environment
- BIOL 315 - Biology: An Historical Perspective
- CHRTC 350 - Science and Religion: Christian Perspectives
- CHRTC 352 - Bioethical Issues: Christian Perspectives
- CLASS 294 - Ancient Science, Technology, and Medicine
- HIST 294 - An Introduction to the History of Sciences, Technology, and Medicine
- HIST 391 - History of Technology
- HIST 394 - History of Astronomy and Cosmology from Stonehenge to the Space Age
- HIST 397 - History of Science I
- HIST 398 - History of Science II

- HIST 496 - Topics in the History of Science
- PHIL 217 - Biology, Society, and Values
- PHIL 265 - Philosophy of Science
- PHIL 317 - Philosophy of Biology
- PHIL 375 - Science and Society
- PHYS 261 - Physics of Energy
- STS 200 - Introduction to Studies in Science, Technology and Society
- WGS 250 - Gender and Science

Note: It is the student's responsibility to ensure all prerequisites for 300-level courses are met.

Year 1 (★30)

- BIOL 107 - Introduction to Cell Biology
- BIOL 108 - Introduction to Biological Diversity
- ★3 Junior ENGL or WRS
- MATH 114 - Elementary Calculus I
- MATH 115 - Elementary Calculus II
- MATH 125 - Linear Algebra I
- STAT 151 - Introduction to Applied Statistics I
- ★6 in Physical Sciences at the 100-level
- EDU 100 - Contexts of Education

Year 2 (★30)

- BIOL 207 - Molecular Genetics and Heredity
- BIOL 208 - Principles of Ecology
- ★3 Junior ENGL or WRS
- EDU 211 - Aboriginal Education and Contexts for Professional and Personal Engagement
- MATH 214 - Intermediate Calculus I
- MATH 215 - Intermediate Calculus II
- MATH 228 - Algebra: Introduction to Ring Theory
- MATH 241 - Geometry
- ★6 Arts Options

Year 3 (★30)

- EDU 210 - Introduction to Educational Technology
- ★3 in Biological Sciences at the 200-level
- ★6 in Mathematical Sciences at the 200- or 300- or 400-level
- ★6 in Biological Sciences at the 200-, 300- or 400-level
- ★6 Arts Options
- ★6 Area "B"

Years 4 (★30)

- EDFX 350 - Secondary Route Field Experience for the Introductory Professional Term (5 weeks)
- EDSE 337 - Curriculum and Teaching for Secondary School Mathematics Majors I (Major)
- EDSE 307 - Language, Literacy and Society in Educational Contexts
- EDPY 303 - Educational Assessment
- ★6 in Biological Sciences at the 300- or 400-level
- ★3 in Mathematical Sciences at the 300- or 400-level
- EDSE 356 (Minor)
- EDPS 410 - Ethics and Law in Teaching

Note: Courses 1 through 4 above constitute the Introductory Professional Term and must be taken concurrently.

Years 5 (★30)

- EDFX 450 - Secondary Route: Advanced Field Experience (9 weeks)
- EDSE 451 - Integrating Theory and Classroom Practice in the Advanced Professional Term
- EDSE 437 - Curriculum and Teaching for Secondary School Mathematics Majors II (Major)
- ★9 in Mathematical Sciences at the 300- or 400-level
- EDPY 304 - Adolescent Development and Learning
- EDPY 301 - Introduction to Inclusive Education: Adapting Classroom Instruction for Students with Special Needs

Note: Courses 1 through 3 above constitute the Advanced Professional Term and must be taken concurrently.

Mathematical Sciences Major/Physical Sciences Minor (★150)

Core Program Requirements

- Education: ★51

- Major: ★45
- Minor: ★27
- 100-level: ★39 (Maximum ★42)

Graduation Requirements:

- GPA of 2.3 on all courses
- GPA of 2.3 on Major courses

Area "A"

- BIOCH 200 - Introductory Biochemistry
- CHEM 211 - Quantitative Analysis I
- CHEM 263 - Organic Chemistry II
- PHYS 208 - Aspects of Modern Physics
- PHYS 271 - Introduction to Modern Physics

Area "B"

- ANTHR 230 - Anthropology of Science, Technology, and Environment
- BIOL 315 - Biology: An Historical Perspective
- CHRTRC 350 - Science and Religion: Christian Perspectives
- CHRTRC 352 - Bioethical Issues: Christian Perspectives
- CLASS 294 - Ancient Science, Technology, and Medicine
- HIST 294 - An Introduction to the History of Sciences, Technology, and Medicine
- HIST 391 - History of Technology
- HIST 394 - History of Astronomy and Cosmology from Stonehenge to the Space Age
- HIST 397 - History of Science I
- HIST 398 - History of Science II
- HIST 496 - Topics in the History of Science
- PHIL 217 - Biology, Society, and Values
- PHIL 265 - Philosophy of Science
- PHIL 317 - Philosophy of Biology
- PHIL 375 - Science and Society
- PHYS 261 - Physics of Energy
- STS 200 - Introduction to Studies in Science, Technology and Society
- WGS 250 - Gender and Science

Area "C"

- ASTRO 320 - Stellar Astrophysics I
- ASTRO 322 - Galactic and Extragalactic Astrophysics
- **OR**
- any 300-level CHEM
- **OR**
- PHYS 301 - Particles, Nuclei, and the Cosmos
- PHYS 308 - Statistical, Molecular, and Solid State Physics
- PHYS 310 - Thermodynamics and Kinetic Theory
- PHYS 311 - Statistical Physics
- PHYS 362 - Optics and Lasers
- PHYS 364 - Environmental Physics II

Note: It is the student's responsibility to ensure all prerequisites for 300-level courses are met.

Year 1 (★30)

- BIOL 107 - Introduction to Cell Biology
- BIOL 108 - Introduction to Biological Diversity
- ★3 Junior ENGL or WRS
- MATH 114 - Elementary Calculus I
- MATH 115 - Elementary Calculus II
- MATH 125 - Linear Algebra I
- STAT 151 - Introduction to Applied Statistics I
- EDU 100 - Contexts of Education

★6 in Physics or Chemistry chosen from

- CHEM 101 - Introductory University Chemistry I
- CHEM 102 - Introductory University Chemistry II
-
- PHYS 124 - Particles and Waves **OR**
- PHYS 144 - Newtonian Mechanics and Relativity
-
- PHYS 126 - Fluids, Fields, and Radiation **OR**
- PHYS 146 - Fluids and Waves

Year 2 (★30)

- ★3 Junior ENGL or WRS
- EDU 211 - Aboriginal Education and Contexts for Professional and Personal Engagement

- MATH 214 - Intermediate Calculus I
- MATH 215 - Intermediate Calculus II
- MATH 228 - Algebra: Introduction to Ring Theory
- MATH 241 - Geometry
- CHEM 261 - Organic Chemistry I
- ★3 Arts Option

★6 in Physics or Chemistry chosen from

- CHEM 101 - Introductory University Chemistry I
- CHEM 102 - Introductory University Chemistry II
-
- PHYS 124 - Particles and Waves **OR**
- PHYS 144 - Newtonian Mechanics and Relativity
-
- PHYS 126 - Fluids, Fields, and Radiation **OR**
- PHYS 146 - Fluids and Waves

Year 3 (★30)

- ★3 Area "A"
- EDU 210 - Introduction to Educational Technology
-
- PHYS 208 - Aspects of Modern Physics **OR**
- PHYS 271 - Introduction to Modern Physics
-
- ★3 in Mathematical Sciences at the 200-level
- ★6 Area "B"
- ★3 in Mathematical Sciences at the 300- or 400-level
- ★6 Arts Options
- EDPY 304 - Adolescent Development and Learning

Years 4 (★30)

- EDFX 350 - Secondary Route Field Experience for the Introductory Professional Term (5 weeks)
- EDSE 337 - Curriculum and Teaching for Secondary School Mathematics Majors I (Major)
- EDSE 307 - Language, Literacy and Society in Educational Contexts
- EDPY 303 - Educational Assessment
- ★3 in Mathematical Sciences at the 300- or 400- level
- ★6 Area "C"
- EDSE 356 (Minor)
- EDPS 410 - Ethics and Law in Teaching

Note: Courses 1 through 4 above constitute the Introductory Professional Term and must be taken concurrently.

Years 5 (★30)

- EDFX 450 - Secondary Route: Advanced Field Experience (9 weeks)
- EDSE 451 - Integrating Theory and Classroom Practice in the Advanced Professional Term
- EDSE 437 - Curriculum and Teaching for Secondary School Mathematics Majors II (Major)
- ★9 in Mathematical Sciences at the 300- or 400-level
- EDPY 301 - Introduction to Inclusive Education: Adapting Classroom Instruction for Students with Special Needs
- ★3 Area "A"

Note: Courses 1 through 3 above constitute the Advanced Professional Term and must be taken concurrently.

Physical Sciences Major/Biological Sciences Minor (★150)

Chemistry Concentration (★150)

Core Program Requirements

- Education: ★51
- Major: ★42
- Minor: ★24
- 100-level: ★33 (Maximum ★42)

Graduation Requirements:

- GPA of 2.3 on all courses
- GPA of 2.3 on Major courses

Area "B"

- ANTHR 230 - Anthropology of Science, Technology, and Environment
- BIOL 315 - Biology: An Historical Perspective

- CHRTC 350 - Science and Religion: Christian Perspectives
- CHRTC 352 - Bioethical Issues: Christian Perspectives
- CLASS 294 - Ancient Science, Technology, and Medicine
- HIST 115 - Technology and History
- HIST 294 - An Introduction to the History of Sciences, Technology, and Medicine
- HIST 391 - History of Technology
- HIST 394 - History of Astronomy and Cosmology from Stonehenge to the Space Age
- HIST 397 - History of Science I
- HIST 398 - History of Science II
- HIST 496 - Topics in the History of Science
- PHIL 217 - Biology, Society, and Values
- PHIL 265 - Philosophy of Science
- PHIL 317 - Philosophy of Biology
- PHIL 375 - Science and Society
- PHYS 261 - Physics of Energy
- STS 200 - Introduction to Studies in Science, Technology and Society
- WGS 250 - Gender and Science

Area "C"

- ASTRO 320 - Stellar Astrophysics I
-
- ASTRO 322 - Galactic and Extragalactic Astrophysics
- **OR**
- any 300-level CHEM
- **OR**
- PHYS 301 - Particles, Nuclei, and the Cosmos
-
- PHYS 308 - Statistical, Molecular, and Solid State Physics
- PHYS 310 - Thermodynamics and Kinetic Theory
- PHYS 311 - Statistical Physics
- PHYS 362 - Optics and Lasers
- PHYS 364 - Environmental Physics II

Note: It is the student's responsibility to ensure all prerequisites for 300-level courses are met.

Year 1 (★30)

- BIOL 107 - Introduction to Cell Biology
- BIOL 108 - Introduction to Biological Diversity
- CHEM 101 - Introductory University Chemistry I
- CHEM 102 - Introductory University Chemistry II
- ★3 Junior ENGL or WRS
- MATH 114 - Elementary Calculus I
- MATH 115 - Elementary Calculus II
-
- PHYS 124 - Particles and Waves **OR**
- PHYS 144 - Newtonian Mechanics and Relativity
-
- PHYS 126 - Fluids, Fields, and Radiation **OR**
- PHYS 146 - Fluids and Waves
-
- EDU 100 - Contexts of Education

Year 2 (★30)

- BIOL 207 - Molecular Genetics and Heredity
- BIOL 208 - Principles of Ecology
- CHEM 261 - Organic Chemistry I
- EDU 210 - Introduction to Educational Technology
- ★3 Junior ENGL or WRS
- EDU 211 - Aboriginal Education and Contexts for Professional and Personal Engagement
-
- PHYS 208 - Aspects of Modern Physics **OR**
- PHYS 271 - Introduction to Modern Physics
-
- ★6 Arts Options

★3 chosen from

- CHEM 211 - Quantitative Analysis I **OR**
- PHYS 294 - General Physics Laboratory

Year 3 (★30)

- CHEM 263 - Organic Chemistry II
- ★6 in Biological Sciences at the 200-level
- ★3 Arts Option

- ★6 Area “B”
- ★3 Area “C”
- PHYS 281 - Electricity and Magnetism
- ★3 Science Option

★3 chosen from

- CHEM 211 - Quantitative Analysis I **OR**
- PHYS 294 - General Physics Laboratory

Year 4 (★30)

- EDFX 350 - Secondary Route Field Experience for the Introductory Professional Term (5 weeks)
- EDSE 307 - Language, Literacy and Society in Educational Contexts
- EDPY 303 - Educational Assessment
- EDSE 355 - Curriculum and Teaching for Secondary School Science Majors I (Major)
- EDPS 410 - Ethics and Law in Teaching
- ★6 in Biological Sciences at the 300- or 400-level
- ★3 Arts Option
- EDSE 3XX (Minor) or Education Elective (see Note 2 below)

Notes

1. Courses 1 through 4 above constitute the Introductory Professional Term and must be taken concurrently.
2. EDSE 356 is not open to students whose major is Biological Sciences, Chemistry, General Sciences, Physical Sciences or Physics. These students must choose to either register for another EDSE (Minor) provided they meet the course prerequisites, **OR** register in an additional Education Elective.

Years 5 (★30)

- EDFX 450 - Secondary Route: Advanced Field Experience (9 weeks)
- EDSE 451 - Integrating Theory and Classroom Practice in the Advanced Professional Term
- EDSE 455 - Curriculum and Teaching for Secondary School Science Majors II (Major)
- EDPY 301 - Introduction to Inclusive Education: Adapting Classroom Instruction for Students with Special Needs
- EDPY 304 - Adolescent Development and Learning
- ★9 Area “C”

Note: Courses 1 through 3 above constitute the Advanced Professional Term and must be taken concurrently.

Physics Concentration (★150)
Core Program Requirements

- Education: ★51
- Major: ★42
- Minor: ★24
- 100-level: ★33 (Maximum ★42)

Graduation Requirements:

- GPA of 2.3 on all courses
- GPA of 2.3 on Major courses

Area “B”

- ANTHR 230 - Anthropology of Science, Technology, and Environment
- BIOL 315 - Biology: An Historical Perspective
- CHRTC 350 - Science and Religion: Christian Perspectives
- CHRTC 352 - Bioethical Issues: Christian Perspectives
- CLASS 294 - Ancient Science, Technology, and Medicine
- HIST 294 - An Introduction to the History of Sciences, Technology, and Medicine
- HIST 391 - History of Technology
- HIST 394 - History of Astronomy and Cosmology from Stonehenge to the Space Age
- HIST 397 - History of Science I
- HIST 398 - History of Science II
- HIST 496 - Topics in the History of Science
- PHIL 217 - Biology, Society, and Values
- PHIL 265 - Philosophy of Science
- PHIL 317 - Philosophy of Biology
- PHIL 375 - Science and Society
- PHYS 261 - Physics of Energy
- STS 200 - Introduction to Studies in Science, Technology and Society
- WGS 250 - Gender and Science

Area “C”

- ASTRO 320 - Stellar Astrophysics I
- ASTRO 322 - Galactic and Extragalactic Astrophysics
- PHYS 301 - Particles, Nuclei, and the Cosmos
- PHYS 308 - Statistical, Molecular, and Solid State Physics
- PHYS 310 - Thermodynamics and Kinetic Theory
- PHYS 311 - Statistical Physics
- or any 300- level CHEM.

Note: It is the student’s responsibility to ensure all prerequisites for 300-level courses are met.

Year 1 (★30)

- BIOL 107 - Introduction to Cell Biology
- BIOL 108 - Introduction to Biological Diversity
- CHEM 101 - Introductory University Chemistry I
- CHEM 102 - Introductory University Chemistry II
- ★3 Junior ENGL or WRS
- MATH 114 - Elementary Calculus I
- MATH 115 - Elementary Calculus II
-
- PHYS 124 - Particles and Waves **OR**
- PHYS 144 - Newtonian Mechanics and Relativity
-
- PHYS 126 - Fluids, Fields, and Radiation **OR**
- PHYS 146 - Fluids and Waves
-
- EDU 100 - Contexts of Education

Year 2 (★30)

- BIOL 207 - Molecular Genetics and Heredity
- BIOL 208 - Principles of Ecology
- CHEM 261 - Organic Chemistry I
- EDU 210 - Introduction to Educational Technology
- ★3 Junior ENGL or WRS
- EDU 211 - Aboriginal Education and Contexts for Professional and Personal Engagement
-
- PHYS 208 - Aspects of Modern Physics **OR**
- PHYS 271 - Introduction to Modern Physics
-
- MATH 214 - Intermediate Calculus I
- ★3 Arts Options

★3 chosen from

- CHEM 211 - Quantitative Analysis I **OR**
- PHYS 294 - General Physics Laboratory

Year 3 (★30)

- CHEM 263 - Organic Chemistry II
- ★6 in Biological Sciences at the 200-level
- MATH 215 - Intermediate Calculus II
- PHYS 281 - Electricity and Magnetism
- ★6 Arts Option
- ★3 Area “B”
- ★3 Area “C”

★3 chosen from

- CHEM 211 - Quantitative Analysis I **OR**
- PHYS 294 - General Physics Laboratory

Years 4 (★30)

- EDFX 350 - Secondary Route Field Experience for the Introductory Professional Term (5 weeks)
- EDPY 303 - Educational Assessment
- EDSE 307 - Language, Literacy and Society in Educational Contexts
- EDSE 355 - Curriculum and Teaching for Secondary School Science Majors I (Major)
- EDPS 410 - Ethics and Law in Teaching
- ★6 in Biological Sciences at the 300- or 400-level
- ★3 Arts Option
- EDSE 3XX (Minor) or Education Elective (see Note 2 below)

Notes

1. Courses 1 through 4 above constitute the Introductory Professional Term and must be taken concurrently.

2. EDSE 356 is not open to students whose major is Biological Sciences, Chemistry, General Sciences, Physical Sciences or Physics. These students must choose to either register for another EDSE (Minor) provided they meet the course prerequisites, **OR** register in an additional Education Elective.

Years 5 (★30)

- EDFX 450 - Secondary Route: Advanced Field Experience (9 weeks)
- EDSE 451 - Integrating Theory and Classroom Practice in the Advanced Professional Term
- EDSE 455 - Curriculum and Teaching for Secondary School Science Majors II (Major)
- EDPY 304 - Adolescent Development and Learning
- ★9 Area "C"
- EDPY 301 - Introduction to Inclusive Education: Adapting Classroom Instruction for Students with Special Needs

Note: Courses 1 through 3 above constitute the Advanced Professional Term and must be taken concurrently.

Physical Sciences Major/Mathematical Sciences Minor (★150)

Core Program Requirements

- Education: ★51
- Major: ★42
- Minor: ★27
- 100-level: ★36 (Maximum ★42)

Graduation Requirements:

- GPA of 2.3 on all courses
- GPA of 2.3 on Major courses

Area "B"

- ANTHR 230 - Anthropology of Science, Technology, and Environment
- BIOL 315 - Biology: An Historical Perspective
- CHRTC 350 - Science and Religion: Christian Perspectives
- CHRTC 352 - Bioethical Issues: Christian Perspectives
- CLASS 294 - Ancient Science, Technology, and Medicine
- HIST 294 - An Introduction to the History of Sciences, Technology, and Medicine
- HIST 391 - History of Technology
- HIST 394 - History of Astronomy and Cosmology from Stonehenge to the Space Age
- HIST 397 - History of Science I
- HIST 398 - History of Science II
- HIST 496 - Topics in the History of Science
- PHIL 217 - Biology, Society, and Values
- PHIL 265 - Philosophy of Science
- PHIL 317 - Philosophy of Biology
- PHIL 375 - Science and Society
- PHYS 261 - Physics of Energy
- STS 200 - Introduction to Studies in Science, Technology and Society
- WGS 250 - Gender and Science

Area "C"

- ASTRO 320 - Stellar Astrophysics I
- ASTRO 322 - Galactic and Extragalactic Astrophysics
- **OR** any 300-level CHEM **OR**
- PHYS 301 - Particles, Nuclei, and the Cosmos
- PHYS 308 - Statistical, Molecular, and Solid State Physics
- PHYS 310 - Thermodynamics and Kinetic Theory
- PHYS 311 - Statistical Physics
- PHYS 362 - Optics and Lasers
- PHYS 364 - Environmental Physics II

Note: It is the student's responsibility to ensure all prerequisites for 300-level courses are met.

Year 1 (★30)

- BIOL 107 - Introduction to Cell Biology
- BIOL 108 - Introduction to Biological Diversity
- CHEM 101 - Introductory University Chemistry I
- CHEM 102 - Introductory University Chemistry II
- ★3 Junior ENGL or WRS

- MATH 114 - Elementary Calculus I
- MATH 115 - Elementary Calculus II
- PHYS 124 - Particles and Waves **OR**
- PHYS 144 - Newtonian Mechanics and Relativity
- PHYS 126 - Fluids, Fields, and Radiation **OR**
- PHYS 146 - Fluids and Waves
- EDU 100 - Contexts of Education

Year 2 (★30)

- EDU 210 - Introduction to Educational Technology
- CHEM 261 - Organic Chemistry I
- ★3 Junior ENGL or WRS
- EDU 211 - Aboriginal Education and Contexts for Professional and Personal Engagement
- MATH 125 - Linear Algebra I
- MATH 214 - Intermediate Calculus I
- PHYS 261 - Physics of Energy **OR**
- PHYS 281 - Electricity and Magnetism
- PHYS 208 - Aspects of Modern Physics **OR**
- PHYS 271 - Introduction to Modern Physics
- ★3 Arts Option

★3 chosen from

- CHEM 211 - Quantitative Analysis I **OR**
- PHYS 294 - General Physics Laboratory

Year 3 (★30)

- CHEM 263 - Organic Chemistry II
- MATH 228 - Algebra: Introduction to Ring Theory
- MATH 215 - Intermediate Calculus II
- ★6 Arts Options
- ★6 Area "B"
- ★6 Area "C"

★3 chosen from

- CHEM 211 - Quantitative Analysis I **OR**
- PHYS 294 - General Physics Laboratory

Years 4 (★30)

- EDFX 350 - Secondary Route Field Experience for the Introductory Professional Term (5 weeks)
- EDPY 303 - Educational Assessment
- EDSE 307 - Language, Literacy and Society in Educational Contexts
- EDSE 355 - Curriculum and Teaching for Secondary School Science Majors I (Major)
- EDPS 410 - Ethics and Law in Teaching
- EDSE 338 - Curriculum and Teaching for Secondary School Mathematics Minors (Minor)
- ★6 in Mathematical Sciences at the 300- or 400-level
- ★3 Science Option

Note: Courses 1 through 4 above constitute the Introductory Professional Term and must be taken concurrently.

Years 5 (★30)

- EDFX 450 - Secondary Route: Advanced Field Experience
- EDSE 451 - Integrating Theory and Classroom Practice in the Advanced Professional Term
- EDSE 455 - Curriculum and Teaching for Secondary School Science Majors II (Major)
- ★3 Arts Option
- EDPY 304 - Adolescent Development and Learning
- ★6 Area "C"
- EDPY 301 - Introduction to Inclusive Education: Adapting Classroom Instruction for Students with Special Needs

Note: Courses 1 through 3 above constitute the Advanced Professional Term and must be taken concurrently.

BSc in Human Ecology/BEd (Secondary) Combined Degrees

General Information

(See also BSc in human Ecology and BSc in Human Ecology/BEd (Secondary) Combined Degrees, Bachelor of Science in Human Ecology/Bachelor of Education (Secondary) Combined Degrees and BSc in Human Ecology/BEd (Secondary) Combined Degrees)

The Bachelor of Science in Human Ecology/Bachelor of Education (Secondary) Combined Degrees program provides a five-year integrated program of ★150. Coursework within the two Faculties is taken concurrently. Students initially apply for admission to the Faculty of Agricultural, Life and Environmental Sciences and are considered to be registered in that Faculty for the first three years of the program. All qualified Year 3 BSc in Human Ecology/Bachelor of Education students will be promoted to Year 4 in the Faculty of Education provided a minimum GPA of 2.0 has been achieved and a minimum of ★90 applicable to the BSc in Human Ecology/BEd (Secondary) Degrees program has been successfully completed.

See Bachelor of Science in Human Ecology/Bachelor of Education (Secondary) Combined Degrees for detailed admission requirements and procedures for entry to Year 4 of this Combined Degrees Program.

Program Requirements

This information may also be found in BSc in Human Ecology/BEd (Secondary) Combined Degrees.

Program Core (★81)

- (see Note 1 and 3)
- ★6 ENGL, or ★3 ENGL and ★3 WRS
- ALES 204 - Communication Fundamentals for Professionals
- ECON 101 - Introduction to Microeconomics
- ECON 102 - Introduction to Macroeconomics
-
- STAT 151 - Introduction to Applied Statistics I **OR**
- SOC 210 - Introduction to Social Statistics
-
- ★6 Natural Sciences from BIOL, CHEM, PHYS, EAS (Faculty of Science), PSYCO (Faculty of Science) (see Note 4)
- Open Option (★3)
- HECOL 100 - Introduction to Principles and Practice in Human Ecology
- HECOL 170 - Introduction to Textiles
- HECOL 201 - Introduction to Material Culture
- HECOL 210 - Intimate Relationships
- HECOL 211 - Human Sexuality
- HECOL 250 - Design Studies and Practice
- HECOL 313 - Family Dynamics
- HECOL 254 - Apparel Design and Construction Fundamentals
-
- HECOL 321 - Introduction to Family Finance **OR**
- HECOL 322 - Family Economic Issues
-
- HECOL (★9) (see Note 4)
- HECOL at 400-level or above (★3)
- HE ED 110 - Introduction to Personal Health and Well-Being
-
- NU FS 200 - Introduction to Functional Foods and Nutraceuticals **OR**
- NU FS 223 - The Cultural Ecology of Food and Health **OR**
- NU FS 372 - Food Chemistry **OR**
- NU FS 373 - Food Chemistry
-
- NUTR 100 - Nutrition and Wellbeing
- NU FS 100 - Introduction to Food Science and Technology
-
- MARK 312 - Marketing Research **OR**
- PSYCO 212 - Introduction to Research Methods in Psychology **OR**
- SOC 315 - Introduction to Social Methodology **OR**
- W ST 302

BEd Core (★69)

- Minor (★18) (See Note 2)
- EDU 100 - Contexts of Education
- EDU 210 - Introduction to Educational Technology
- EDU 211 - Aboriginal Education and Contexts for Professional and Personal Engagement
- 300-level EDSE course (Minor) (★3)
- EDSE 307 - Language, Literacy and Society in Educational Contexts
- EDSE 317 - Curriculum and Teaching for Secondary School Career and Technology Studies Majors I
- EDSE 417 - Curriculum and Teaching for Secondary School Career and Technology Studies Majors II
- EDSE 451 - Integrating Theory and Classroom Practice in the Advanced Professional Term
- EDPS 410 - Ethics and Law in Teaching
- EDPY 301 - Introduction to Inclusive Education: Adapting Classroom Instruction for Students with Special Needs
- EDPY 303 - Educational Assessment
- EDPY 304 - Adolescent Development and Learning
- EDFX 350 - Secondary Route Field Experience for the Introductory Professional Term
- EDFX 450 - Secondary Route: Advanced Field Experience

Notes

1. Professional Designation: To meet the educational requirements for Professional Human Ecologist designation, students must present ★36 in Human Ecology, Nutrition and Food Science, or Nutrition, including HECOL 100, plus ★12 in course work closely related to their specialization.
2. Students should declare their minor early in the program by filling out a form in 231 General Services Building. To decide on a minor, consult Education Chart 2.
3. The Management in Organizations and Capstone Course requirements in Degrees Offered and BSc in Human Ecology are met by completion of Faculty of Education requirements.
4. Students in the Combined BSc Human Ecology/BEd degree cannot take HECOL 301. HECOL 268 or HECOL 270 is recommended. HECOL 300 is not recommended.

Year 1 (★30) Taken in the Faculty of Agricultural, Life and Environmental Sciences

- ENGL (★3)
- ENGL or WRS (★3)
- ECON 101 - Introduction to Microeconomics
- ECON 102 - Introduction to Macroeconomics
- HECOL 100 - Introduction to Principles and Practice in Human Ecology
- HECOL 250 - Design Studies and Practice
- HECOL 170 - Introduction to Textiles
- Natural Sciences from BIOL, CHEM, PHYS, EAS (Faculty of Science), PSYCO (Faculty of Science) (★3)
- NUTR 100 - Nutrition and Wellbeing
- EDU 100 - Contexts of Education

Year 2 (★30) Taken in the Faculty of Agricultural, Life and Environmental Sciences

- ALES 204 - Communication Fundamentals for Professionals
- NU FS 100 - Introduction to Food Science and Technology
-
- STAT 151 - Introduction to Applied Statistics I **OR**
- SOC 210 - Introduction to Social Statistics (SOC 210 recommended) (See Note 1) (★3)
-
- HECOL 201 - Introduction to Material Culture
- HECOL 210 - Intimate Relationships
- HECOL 211 - Human Sexuality
- HE ED 110 - Introduction to Personal Health and Well-Being
- Natural Sciences from BIOL, CHEM, PHYS, EAS (Faculty of Science), PSYCO (Faculty of Science) (★3)
- Minor: choose any course from the specific teaching minor (★6)

Year 3 (★30) Taken in the Faculty of Agricultural, Life and Environmental Sciences

- EDU 210 - Introduction to Educational Technology
-
- MARK 312 - Marketing Research **OR**
- PSYCO 212 - Introduction to Research Methods in Psychology **OR**
- SOC 315 - Introduction to Social Methodology **OR**

- W ST 302 (★3) (See Note 1)
-
- HECOL 313 - Family Dynamics
-
- HECOL 321 - Introduction to Family Finance **OR**
- HECOL 322 - Family Economic Issues
-
- HECOL 254 - Apparel Design and Construction Fundamentals **OR**
- HECOL 354 - Apparel Design and Product Development I
-
- Open Option (★3)
- EDU 211 - Aboriginal Education and Contexts for Professional and Personal Engagement
-
- NU FS 200 - Introduction to Functional Foods and Nutraceuticals **OR**
- NU FS 223 - The Cultural Ecology of Food and Health **OR**
- NU FS 372 - Food Chemistry **OR**
- NU FS 373 - Food Chemistry
-
- Minor: choose any course from the specific teaching minor (★6)

Years 4 and 5 (★60) Taken in the Faculty of Education

- Students should refer to their individual Program Sheet for proper course sequencing.

Course Requirements (★30)

- EDSE 3XX (Minor) (★3)
- EDPS 410 - Ethics and Law in Teaching
- EDPY 301 - Introduction to Inclusive Education: Adapting Classroom Instruction for Students with Special Needs
- EDPY 304 - Adolescent Development and Learning
- HECOL Options (★9)
- HECOL 400-level (★3)
- Minor: choose any course from the specific teaching minor (★6)

Field Experience Terms (★30)

- Courses taken in the Field Experience Terms are normally taken concurrently.

Introductory Professional Term (★15)

- EDFX 350 - Secondary Route Field Experience for the Introductory Professional Term
- EDPY 303 - Educational Assessment
- EDSE 307 - Language, Literacy and Society in Educational Contexts
- EDSE 317 - Curriculum and Teaching for Secondary School Career and Technology Studies Majors I
- Advanced Professional Term (★15)
- EDFX 450 - Secondary Route: Advanced Field Experience
- EDSE 451 - Integrating Theory and Classroom Practice in the Advanced Professional Term
- EDSE 417 - Curriculum and Teaching for Secondary School Career and Technology Studies Majors II

Note: Students are advised to consider prerequisite courses for advanced courses when planning their program, e.g., SOC 315 requires SOC 100 and SOC 210 as prerequisites.

Certificates

Certificate in Global Citizenship

For information, contact: gccd@ualberta.ca. Website: www.gccd.ualberta.ca.

Requirements

- INT D 404 - Global Citizenship: Contemporary Issues and Perspectives

★9 selected from:

- ADMI 342 - Introduction au Commerce International
- ANTHE 320 - Anthropologie de la religion
- ANTHR 230 - Anthropology of Science, Technology, and Environment
- ANTHR 310 - The Anthropology of Gender
- ANTHR 372 - Anthropology of Food
- ANTHR 393 - Health and Healing

- ANTHR 417 - Anthropology of Modernity
- ANTHR 460 - Nutritional Anthropology
- AREC 375 - World Food and Agriculture
- AREC 485 - Trade and Globalization in Food and Resources
- BIOL 332 - Community Ecology
- BIOL 367 - Conservation Biology
- BIOL 381 - A Planet in Crisis
- BIOL 498 - Research Project *
- BIOLE 381 - Les humains, la pollution et l'environnement
- BOT 384
- BUEC 463 - Energy and the Environment: Industry Structure, Performance and Challenges
- BUS 435 - Information, Ethics and Society
- BUS 466 - International Internship
- CHRTRC 349 - Social Justice and Christianity
- CSL 100 - An Introduction to Community Engagement
- CSL 300 - Theory and Practice in Community Service-Learning
- CSL 350 - Selected Topics in Community Service-Learning
- CSL 360 - Community Service-Learning Practicum
- CSL 480 - Individual Study in Community Service-Learning *
- D HYG 440 - Advocacy for Change in Healthcare
- EAS 208 - Introduction to Global Change
- EAS 457 - Global Change
- EAS 493
- ECON 467 - Environmental and Natural Resource Policy
- ECONE 223 - Enjeux économiques mondiaux
- EDPS 422 - International Development Education
- EDPS 425 - Global Education: Issues and Strategies for Teachers
- EDFX 425 - Elementary Route: Advanced Field Experience *
- EDFX 450 - Secondary Route: Advanced Field Experience *
- EDFX 490 - Additional Placement in an Education Related and/or Outside Alberta Context *
- EDU M 498 - Séminaire dans le domaine de l'enseignement au niveau élémentaire/secondaire
- EDU S 350 - Stage de formation sur la diversité
- HECOL 441 - Textiles and Apparel in the Global Economy
- HECOL 462 - Material Culture in Home and Community
- HISTE 121 - Histoire du monde pré-industriel
- HISTE 122 - Histoire du monde industrialisé
- HISTE 303 - Construction et identité européennes
- HISTE 311 - Histoire de l'Afrique francophone
- HISTE 350 - Histoire des États-Unis d'Amérique
- INT D 303 - Economics of World Food and Agriculture
- INT D 361 - Fundamentals of Energy, Environment and Sustainability
- INT D 370
- INT D 375 - Intercultural Exploration of Health and Practice in Italy
- INT D 393 - Political Sociology
- INT D 457 - Global Health - China Collaboration
- LING 324 - Endangered Languages
- LIS 210 - Critical Strategies for the Information Universe
- MARK 455 - Sustainability and Responsible Marketing
- MEAS 300 - Themes and Topics I *
- MUSIC 144 - West African Music Ensemble I *
- MUSIC 244 *
- MUSIC 365 - Topics in Ethnomusicology *
- NS 111 - Contemporary Perspectives in Native Studies
- NS 300 - Traditional Cultural Foundations I
- NS 355 - Native Oral Traditions and Indigenous Knowledge
- NS 361 - Challenging Racism and Stereotypes
- NS 405 - Selected Topics in International Indigenous Studies
- NURS 494 - Nursing in Context D1 *
- NURS 495 - Nursing Practice VIII *
- NURS 498 - Special Study - Nursing *
- PERLS 440 - Play Around the World Program Preparation *
- PERLS 441 - Play Around the World - Field Placement *
- PHARM 300 - Experiential Learning - Part 1
- PHARM 453 - Intercultural Exploration of Pharmacy and Health
- PHIL 301
- PHIL 339 - Contemporary World Views and Christianity
- PHIL 355 - Environmental Ethics
- PHILE 142 - Introduction aux philosophies non occidentales
- POL S 260
- POL S 266
- POL S 396
- POL S 443 - Globalization, Ethnic Politics and the Nation-State
- R SOC 355 - Rural Communities and Global Economies

- R SOC 365 - Sociology of Environment and Development
- R SOC 450 - Environmental Sociology
- RLS 130 - Collaborative Skills and Processes for Community Recreation and Leisure
- RLS 223 - Leisure and Human Behavior
- RLS 263 - Principles of Tourism
- RLS 452 - Parks Planning, Management, and Maintenance
- RLS 463 - Issues in Tourism Development
- SC PO 261 - Relations internationales I
- SC PO 262 - Relations internationales II
- SCI 299 - Science Citizenship
- SOC 269 - Introductory Sociology of Globalization
- SOC 369 - Sociology of Globalization
- SOC 370 - Racism and Decolonization
- SOC 477 - Media and Cultural Globalization: Theory and Practice
- SOCIE 260 - Inégalité et stratification sociales
- SOCIE 269 - Sociologie de la mondialisation
- SOCIE 348 - Sociologie des médias et de l'information
- SOCIE 412 - Sociologie du développement
- SMO 417 - Managing the Work Force: International Perspectives
- SMO 435 - Managing International Business
- SMO 437 - Managing Culture
- SMO 442 - International Family Enterprise
- WGS 102 - Gender and Social Justice
- WGS 260 - Women and War
- WGS 310 - Gender, Development, and Beyond
- WGS 365 - Gender, Conflict and Peace Building in International Relations

Notes

1. Maximum of ★3 from any given course can be used for the certificate.
2. No more than ★3 of the ★12 credits may be transfer credits from other postsecondary institutions.
3. Students must meet the necessary prerequisites, co-requisites, and/or restrictions for courses used to satisfy the ★9 set out in ★9 selected from).

* Course/Section Clarifications BIOL 498 is applicable only for sections that are a component of the Southern African Field School, as verified in writing by the Department of Biological Sciences.

CSL 480 is applicable under the following conditions: For students in the Faculty of Pharmacy and Pharmaceutical Sciences, please ensure you are registered in the appropriate section for your Faculty, as approved by the Faculty's Associate Dean (Undergraduate Programs). For students outside of the Faculty of Pharmacy and Pharmaceutical Sciences, please obtain information on the eligibility of other sections from Community Service Learning, University of Alberta at csinfo@ualberta.ca. EDFX 425, EDFX 450, and EDFX 490 are applicable only for international sections.

MEAS 300, MUSIC 144, MUSIC 244 and MUSIC 365 are applicable only for sections that are part of the Education Abroad Program in Ghana. NURS 494/NURS 495 is applicable only for sections with the variable title: International.

NURS 498 is applicable only for sections with the variable title: Global Citizenship and Health.

PERLS 440/PERLS 441 or equivalent, as verified in writing by the Play Around the World Program Director, will be applicable.