

Lethbridge

Lethbridge is a great city in which to live and study. Lethbridge has a small-town atmosphere with big-city amenities and is close to many other great destinations. The B.C. and U.S. borders are only an hour away, and a two-hour drive takes you to world class ski resorts, Calgary or Waterton Lakes National Park.

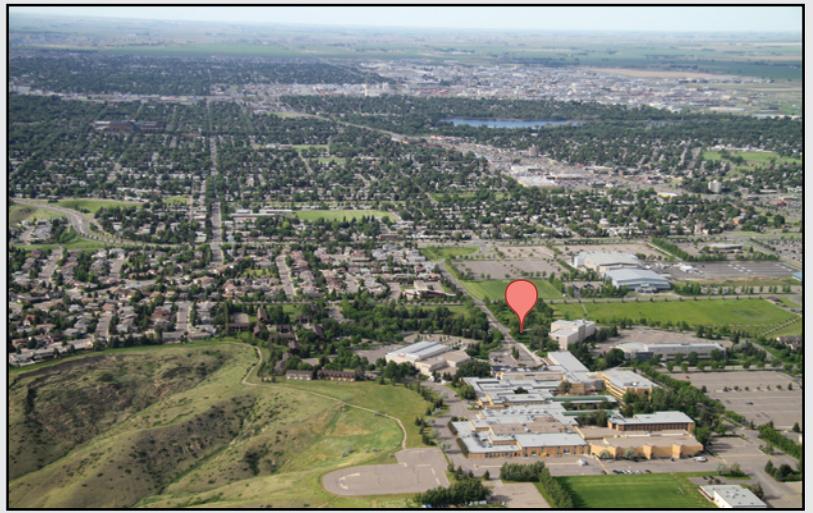


20-minute walk from our campus:

- restaurants, pubs and coffee shops
- supermarkets and big box stores
- movie theatres
- Enmax Centre, home of the WHL's Lethbridge Hurricanes
- indoor soccer centre
- southern Alberta's famous coulees

10-minute drive from our campus:

- major shopping centres
- restaurants, pubs and night life
- all types of sports fields and three golf courses
- bike trails, skatepark, BMX track, paintball centre
- parks, gardens and walking paths
- Galt Museum, Southern Alberta Art Gallery, live theatre and music



connect

exploresouthwestalberta.ca
lethbridge.ca
choosethbridge.ca

The Lethbridge College Academic Calendar is published annually for the information of students, prospective students, educators and the public. Every effort has been made to ensure its accuracy and completeness. Lethbridge College reserves the right to make changes to any information contained in the calendar. All information is current at the date of printing or posting. The college reserves the right to make changes without notice or obligation. Please consult the Lethbridge College website for the most current information.

All fees and program costs are approximate and subject to change without notice. To ensure an accurate quote, contact Student Awards and Financial Aid or the program chair listed in the program profile.

The submission of an Application for Admission implies the student agrees to be bound by the rules and regulations in existence or as made, modified or amended from time to time by the Board of Governors of Lethbridge College, or by persons who, by virtue of delegation or authority may make, modify or amend rules and regulations.

Applicants and students are responsible for the continuing completeness and accuracy of their individual academic records and for ensuring they satisfy the graduation requirements of the program in which they are enrolled.

Welcome to *your* future.



Welcome to Lethbridge College!

We are so glad to have you as part of the Lethbridge College community.

This academic calendar describes the programs, courses and services offered at Lethbridge College. Think of it as your guide to life at the college and your first steps into possibilities and exciting new directions.

Within these pages, you'll get a sense of what you can expect when you choose Lethbridge College for your post-secondary education: excellence, relevance and a road map to your future. I invite you to come experience the excitement and energy on campus and remember that as a Lethbridge College student...

- You'll learn about what you love from world-class instructors. They are truly great teachers and have real-life experience in and passion for doing what they teach.
- You'll benefit from our advisory committees, whose members help us ensure that your learning experience is relevant and provides you with the valuable skills and education required for the workforce.
- You can take part in applied research opportunities, working directly with faculty and industry, to solve real-world problems.
- You can choose from over 50 career-training programs, applied degrees and apprenticeships, many of which are nationally-recognized and nationally-accredited. You'll be active in your education and an important voice in classroom conversations as you prepare to be a valued member of your chosen field.
- You'll experience a truly hands-on education, whether you're studying computers, construction or culinary arts. You'll make connections with people and ideas that can make big changes at home and around the world. You'll move quickly from the classroom to the workplace as most programs can be completed in four terms.

I also want to encourage you to take advantage of all of the opportunities we offer you and to immerse yourself in the Kodiaks community – whether by participating in or rooting for our athletics teams, joining a club, being a part of the students' association or just hanging out with your friends in the Cave. These will be so many ways for you to be a part of our diverse, thriving, positive, engaged community.

We wish you success along the way.

Paula Burns, PhD, MBA
Lethbridge College President and CEO

Table of Contents

INTRODUCTION

President's Welcome	1
Academic Schedule	3-4
Lethbridge College Directory	5

GETTING STARTED AT LETHBRIDGE COLLEGE

Program List	
• Alphabetically	6
• By School	7
Application Admission	8-11
Registration	12
Financing Your Education	13
Fees and Financial Information	14
2017-2018 Fees	15-16

SERVICE FOR LEARNERS

Lethbridge College Services	17-23
Services for First Nations, Métis, and Inuit (FNMI) Learners	24
Services for International Learners	25
Living in Residence	26
Scholarships and Awards	27
Mobile Learning	28

FLEXIBLE DELIVERY

Online Learning	29-31
Regional Campuses	33-34

LETHBRIDGE COLLEGE PROGRAMS

College Programs	35-122
Administrative Office Professional	36
Agricultural & Heavy Equipment Technician	37
Agriculture Business Risk Management	38
Agriculture Sciences	39-40
Apprenticeship Training	41-45
Automotive Systems	46
Bachelor of Nursing	47-49
Bachelor of Nursing - After Degree	50-51
Business Administration	52-55
Child and Youth Care	56-57
Civil Engineering Technology	58-59
College & University Preparation	60

Commercial Vehicle Enforcement	61
Community Health Promotion	62-63
Computer Information Technology	64-65
Conservation Enforcement - Bachelor of Applied Science	66-67
Correctional Studies	68-69
Criminal Justice - Policing	70-71
Culinary Careers	72-73
Digital Communications and Media	74-75
Early Childhood Education	76-77
Ecosystem Management - Bachelor of Applied Science	78-79
Educational Assistant	80-81
Engineering Design and Drafting Technology	82-83
English as a Second Language	84
Environmental Assessment and Restoration	85-86
Exercise Science	87-88
Fashion Design and Sustainable Production	89-90
General Studies	91-95
General Studies, FNMI Career Pathways	96-97
Geomatics Engineering Technology	98-99
Health Care Aide	100
Interior Design Technology	101
Justice Studies - Bachelor of Applied Arts	102-103
Massage Therapy	104-105
Medical Device Reprocessing	106
Multimedia Production	107-108
Natural Resource Compliance	109-110
Perioperative Post-Diploma Nursing	111
Police Recruit Training	112
Practical Nursing	113-114
Renewable Resource Management	115-116
Therapeutic Recreation - Gerontology	117-119
Unit Clerk Training	120
Wind Turbine Technician	121
Course Descriptions	123-206
Index	207-208

Academic Schedule 2017 - 2018

Summer 17S1 (July to August 2017)

July 3	Monday	College Closed (Canada Day)
July 4	Tuesday	Summer Term Begins
July 6	Thursday	Fees Due
July 6	Thursday	Add/Drop Ends
July 11	Tuesday	Extended Drop Ends
August 4	Friday	Last Day to Withdraw
August 7	Monday	College Closed (Heritage Day)
August 18	Friday	Last Day of Classes
August 21 & 22	Monday & Tuesday	Final Exams
August 25	Friday	Final Grades Due to Registrar by 8:30 a.m.

Fall 17FL (September to December 2017)

September 4	Monday	College Open (Labor Day)
September 5	Tuesday	New Student Orientation
September 5	Tuesday	Domestic Application Deadline for September 2017
September 6	Wednesday	Fall Term Begins
September 13	Wednesday	Fees Due
September 13	Wednesday	Add/Drop Ends
September 26	Tuesday	Extended Drop Ends
October 1	Sunday	International Application Deadline for January 2018
October 9	Monday	College Closed (Thanksgiving Day)
November 3	Friday	Last Day to Withdraw
November 10	Friday	Fall Reading Break
November 13	Monday	College Closed (Remembrance Day)
December 8	Friday	Last Day of Classes
December 11 – 15	Monday – Friday	Final Exams
December 19	Tuesday	Final Grades Due to Registrar by 8:30 am
Dec 25 – Jan 1	Monday – Monday	College Closed (Christmas break)

Winter 18WN (January to April 2018)

January 2	Tuesday	College Open
January 3	Wednesday	Domestic Application Deadline for January 2018
January 4	Thursday	Winter Term Begins
January 11	Thursday	Fees Due
January 11	Thursday	Add/Drop Ends
January 24	Wednesday	Extended Drop Ends
February 1	Thursday	International Application Deadline for May 2018
February 19	Monday	College Closed (Family Day)
February 20 – 23	Tuesday - Friday	Reading Week
March 9	Friday	Last Day to Withdraw
March 30	Friday	College Closed (Good Friday)
April 2	Monday	College Closed (Easter Monday)
April 13	Friday	Last Day of Classes
April 16 – 20	Monday – Friday	Final Exams
April 24	Tuesday	Final Grades Due to Registrar by 8:30 am
April 27	Friday	Convocation

Spring-Short 18S2 (May to June 2018)

May 4	Friday	Domestic Application Deadline for May 2018
May 7	Monday	Spring (Short) Term Begins
May 9	Wednesday	Add/Drop Ends
May 14	Monday	Fees Due
May 15	Tuesday	Extended Drop Ends
May 21	Monday	College Closed (Victoria Day)
June 1	Friday	International Application Deadline for September 2018
June 5	Tuesday	Last Day to Withdraw
June 22	Friday	Last Day of Classes
June 25 & 26	Monday & Tuesday	Final Exams
June 28	Thursday	Final Grades Due to Registrar by 8:30 am

Spring-Long 18SM (May to August 2018)

May 4	Friday	Domestic Application Deadline for May 2018
May 7	Monday	Spring (Long) Term Begins
May 14	Monday	Fees Due
May 14	Monday	Add/Drop Ends
May 21	Monday	College Closed (Victoria Day)
May 28	Monday	Extended Drop Ends
June 1	Friday	International Application Deadline for September 2018
July 2	Monday	College Closed (Canada Day)
July 6	Friday	Last Day to Withdraw
August 3	Friday	Last Day of Classes
August 6	Monday	College Closed (Heritage Day)
August 7 – 10	Tuesday - Friday	Final Exams
August 14	Tuesday	Final Grades Due to Registrar by 8:30 am

Academic Schedule 2018-2019

Summer 18S1 (July to August 2018)

July 2	Monday	College Closed (Canada Day)
July 3	Tuesday	Summer Term Begins
July 5	Thursday	Fees Due
July 5	Thursday	Add/Drop Ends
July 10	Tuesday	Extended Drop Ends
August 3	Friday	Last Day to Withdraw
August 6	Monday	College Closed (Heritage Day)
August 17	Friday	Last Day of Classes
August 20 & 21	Monday & Tuesday	Final Exams
August 24	Friday	Final Grades Due to Registrar by 8:30 a.m.

Fall 18FL (September to December 2018)

September 3	Monday	College Open (Labour Day)
September 4	Tuesday	New Student Orientation
September 4	Tuesday	Domestic Application Deadline for September 2019
September 5	Wednesday	Fall Term Begins
September 12	Wednesday	Fees Due
September 12	Wednesday	Add/Drop Ends
September 25	Tuesday	Extended Drop Ends
October 1	Monday	International Application Deadline for January 2019
October 8	Monday	College Closed (Thanksgiving Day)
November 2	Friday	Last Day to Withdraw
November 9	Friday	Fall Reading Break
November 12	Monday	College Closed (Remembrance Day)
December 7	Friday	Last Day of Classes
December 10 – 14	Monday – Friday	Final Exams
December 18	Tuesday	Final Grades Due to Registrar by 8:30 am
Dec 25 – Jan 1	Tuesday – Tuesday	College Closed (Christmas break)

Winter 19WN (January to April 2019)

January 2	Wednesday	College Open
January 4	Friday	Domestic Application Deadline for January 2019
January 7	Monday	Winter Term Begins
January 14	Monday	Fees Due
January 14	Monday	Add/Drop Ends
January 28	Monday	Extended Drop Ends
February 1	Friday	International Application Deadline for May 2019
February 18	Monday	College Closed (Family Day)
February 19 – 22	Tuesday - Friday	Reading Week
March 8	Friday	Last Day to Withdraw
April 12	Friday	Last Day of Classes
April 15 – 18, 23	Monday – Thursday, Tuesday	Final Exams
April 19	Friday	College Closed (Good Friday)
April 22	Monday	College Closed (Easter Monday)
April 25	Thursday	Final Grades Due to Registrar by 8:30 am
April 26	Friday	Convocation

Spring - Short 19S2 (May to June 2019)

May 3	Friday	Domestic Application Deadline for May 2019
May 6	Monday	Spring (Short) Term Begins
May 7	Tuesday	Add/Drop Ends
May 13	Monday	Fees Due
May 14	Tuesday	Extended Drop Ends
May 20	Monday	College Closed (Victoria Day)
June 1	Saturday	International Application Deadline for September 2019
June 4	Tuesday	Last Day to Withdraw
June 21	Friday	Last Day of Classes
June 24 & 25	Monday & Tuesday	Final Exams
June 27	Thursday	Final Grades Due to Registrar by 8:30 am

Spring - Long 19SM (May to August 2019)

May 3	Friday	Domestic Application Deadline for May 2019
May 6	Monday	Spring (Long) Term Begins
May 13	Monday	Fees Due
May 13	Monday	Add/Drop Ends
May 20	Monday	College Closed (Victoria Day)
May 27	Monday	Extended Drop Ends
June 1	Saturday	International Application Deadline for September 2019
July 1	Monday	College Closed (Canada Day)
July 5	Friday	Last Day to Withdraw
August 2	Friday	Last Day of Classes
August 5	Monday	College Closed (Heritage Day)
August 6 – 9	Tuesday - Friday	Final Exams
August 13	Tuesday	Final Grades Due to Registrar by 8:30 am

College Directory

Main Campus	(403) 320-3200
Toll Free	1-800-572-0103
Website	www.lethbridgecollege.ca
Claresholm Campus	(403) 625-4231
Lakeshore Campus	(403) 388-3082
Pincher Creek	(403) 563-7041
Vulcan County Campus	(403) 485-1488

Admissions and Registration

Admissions	(403) 320-3323
General Information	(403) 320-3323
Non-Credit Registration	(403) 320-3323
Student Records Information	(403) 320-3323
Transcript Requests	(403) 320-3323
Fax Number	1-888-819-9803

Services

Academic & Career Advising	(403) 320-3202 Ext. 4905
Accessibility Services	(403) 320-3202 Ext. 5400
Alumni Relations	(403) 329-7220
Awards and Scholarships	(403) 320-3372
Be Fit for Life	(403) 382-6919
Bookstore	(403) 320-3341
Buchanan Library	(403) 320-3352
Campus Recreation	(403) 320-3202 Ext. 5303
Chaplaincy Services	(403) 382-0294
Day Care Centre	(403) 320-3430
Finance	(403) 382-6901
Financial Aid	(403) 320-3372
Garden Court Restaurant	(403) 320-3230
Health Services	(403) 320-3289
Kodiak Athletics	(403) 382-6900
Learning Cafe	(403) 382-6952
Learning Support Services	(403) 320-3244
Lethbridge College Portal	(403) 320-3352
Online Learning	(403) 320-3323
Parking	(403) 320-3223
Physical Education Facilities	(403) 382-6903
Printing - Grenville the Copy Store	(403) 320-3255
Residence	(403) 329-7218
Recruitment	(403) 320-3322
Security Services	(403) 320-3206
Services for FNMI Learners	(403) 320-3202 Ext. 5731
Services for International Learners	(403) 320-3202 Ext. 5532
Student Career & Professional Development	(403) 320-3202 Ext. 5347
Student Experience	(403) 320-3202 Ext. 5256
Student for a Day/Campus Tours	(403) 320-3322
Students' Association	(403) 320-3373
Students' Health & Dental Plan	(403) 320-3202 Ext. 5310
Testing Services	(403) 320-3368

Programs

Administrative Office Professional	(403) 320-3213
Agriculture and Heavy Equipment Technician	(403) 320-3411
Agriculture Business Risk Management	(403) 382-6991
Agriculture Sciences	(403) 382-6991
Automotive Systems	(403) 320-3411
Bachelor of Nursing Degree (NESA)	(403) 320-3348
Bachelor of Nursing - After Degree	(403) 320-3348
Business Administration	(403) 320-3213
Child and Youth Care	(403) 320-3393
Civil Engineering Technology	(403) 320-3468
College and University Preparation	(403) 329-7269
Commercial Vehicle Enforcement	(403) 320-3418
Community Health Promotion	(403) 320-3310
Computer Information Technology	(403) 320-3213
Conservation Enforcement - Bachelor of Applied Science	(403) 382-6991
Correctional Studies	(403) 329-7246
Criminal Justice - Policing	(403) 329-7246
Culinary Careers	(403) 320-3245
Digital Communications and Media	(403) 320-3267
Early Childhood Education	(403) 320-3393
Ecosystem Management - Bachelor of Applied Science	(403) 382-6991
Educational Assistant	(403) 320-3393
Engineering Design and Drafting Technology	(403) 320-3468
English as a Second Language	(403) 329-7223
Environmental Assessment and Restoration	(403) 382-6991
Exercise Science	(403) 394-7338
Fashion Design and Sustainable Production	(403) 320-3267
General Studies	(403) 394-7338
General Studies, FNMI Career Pathways	(403) 394-7338
Geomatics Engineering Technology	(403) 320-3468
Health Care Aide	(403) 320-3310
Interior Design Technology	(403) 320-3267
Justice Studies - Bachelor of Applied Arts	(403) 329-7246
Massage Therapy	(403) 320-3202 Ext. 3211
Medical Device Reprocessing	(403) 320-3310
Multimedia Production	(403) 320-3267
Natural Resource Compliance	(403) 382-6991
Perioperative Nursing	(403) 320-3310
Police Recruit Training	(403) 320-3418
Practical Nursing	(403) 320-3211
Renewable Resource Management	(403) 382-6991
Therapeutic Recreation (Gerontology)	(403) 320-3202 Ext. 3211
Unit Clerk Training	(403) 320-3310
Wind Turbine Technician	(403) 320-3411

Programs Listed Alphabetically

- Administrative Office Professional
- Agricultural & Heavy Equipment Technician
- Agriculture Business Risk Management (Online learning only)
- Agriculture Sciences
 - Animal Science Major
 - Plant and Soil Sciences Major
- Apprenticeship Training
 - Agricultural Equipment Technician
 - Automotive Service Technician
 - Carpenter
 - Cook
 - Electrician
 - Heavy Equipment Technician
 - Parts Technician
 - Plumber
 - Plumber and Gasfitter (B)
 - Welder – Wire Process Operator
- Automotive Systems
- Bachelor of Nursing (NESA)
- Bachelor of Nursing - After Degree
- Business Administration
 - Accounting Major
 - General Business Major
 - Management Major
 - Marketing Major
- Child and Youth Care
- Civil Engineering Technology
- College and University Preparation
- Commercial Vehicle Enforcement
- Community Health Promotion
- Computer Information Technology
- Conservation Enforcement - Bachelor of Applied Science
- Correctional Studies
- Criminal Justice – Policing
- Culinary Careers
- Digital Communications and Media
- Early Childhood Education
- Ecosystem Management – Bachelor of Applied Science
- Educational Assistant (Online Learning Only)
- Engineering Design and Drafting Technology
- English as a Second Language
- Environmental Assessment and Restoration
- Exercise Science
- Fashion Design and Sustainable Production
- General Studies, FNMI Career Pathways
- General Studies
 - Liberal Arts Majors
 - Canadian Studies Major
 - Cultural Studies Major
 - English Major
 - Physical Education and Leadership Major
 - Psychology and Sociology Major
- Geomatics Engineering Technology
- Health Care Aide
- Interior Design Technology
- Justice Studies - Bachelor of Applied Arts
- Massage Therapy
- Medical Device Reprocessing
- Multimedia Production
- Natural Resource Compliance
- Perioperative Post-Diploma Nursing
- Police Recruit Training
- Practical Nursing
- Renewable Resource Management
- Therapeutic Recreation - Gerontology
- Unit Clerk Training
- Wind Turbine Technician

Programs Listed By School

School of Agriculture

- Agriculture Business Risk Management (Online Learning Only)
- Agriculture Sciences
 - Animal Science Major
 - Plant and Soil Sciences Major

School of Business

- Administrative Office Professional
- Business Administration
 - Accounting Major
 - General Business Major
 - Management Major
 - Marketing Major
- Computer Information Technology

School of Developmental Education

- College and University Preparation

School of Engineering Technologies

- Civil Engineering Technology
- Engineering Design and Drafting Technology
- Geomatics Engineering Technology

School of Environmental Sciences

- Conservation Enforcement - Bachelor of Applied Science
- Ecosystem Management - Bachelor of Applied Science
- Environmental Assessment and Restoration
- Natural Resource Compliance
- Renewable Resource Management

School of Allied Health

- Community Health Promotion
- Health Care Aide
- Medical Device Reprocessing
- Unit Clerk Training

School of Health Sciences

- Bachelor of Nursing (NESA)
- Bachelor of Nursing - After Degree
- Massage Therapy
- Perioperative Post-Diploma Nursing
- Practical Nursing
- Therapeutic Recreation - Gerontology

School of Human Services

- Child and Youth Care
- Early Childhood Education
- Educational Assistant (Online Learning only)

School of Justice Studies

- Correctional Studies
- Criminal Justice - Policing
- Justice Studies - Bachelor of Applied Arts

School of Public Safety

- Commercial Vehicle Enforcement
- Police Recruit Training

School of Liberal Arts & Life Sciences

- Exercise Science
- General Studies
 - Liberal Arts Majors
 - Canadian Studies
 - Cultural Studies
 - English
 - Physical Education and Leadership
 - Psychology and Sociology
- General Studies, FMNI Career Pathways

School of Media & Design

- Digital Communications and Media
- Fashion Design and Sustainable Production
- Interior Design Technology
- Multimedia Production

Crook's School of Transportation

- Agricultural & Heavy Equipment Technician
- Agricultural Equipment Technician Apprenticeship
- Automotive Systems
- Automotive Service Technician Apprenticeship
- Heavy Equipment Technician Apprenticeship
- Parts Technician Apprenticeship

School of Construction Trades

- Carpenter Apprenticeship
- Electrician Apprenticeship
- Plumber Apprenticeship
- Welder Apprenticeship
- Welder – Wire Process Operator Apprenticeship

School of Culinary Arts

- Culinary Careers
- Cook Apprenticeship

School of Renewable Energy

- Wind Turbine Technician

English as a Second Language

Admission

ADMISSION

We are delighted you are considering applying to a Lethbridge College program. To ensure you are aware of the application and admission processes, please read through the information below.

GENERAL INFORMATION

An individual who has applied to a Lethbridge College program is referred to as an Applicant. Once an Applicant has accepted their Offer of Admission and paid the associated tuition deposit they are referred to as a Student.

The admission requirements and other information listed below apply to full-time and part-time admission status in a Lethbridge College designated program.

Applicants interested in enrolling in credit courses outside of a designated program of study may choose to enroll as an Open Studies student.

Admission to Lethbridge College programs are generally processed on a first-qualified, first-served basis; however, some programs may use a competitive selection process and limit applications. Programs that use a competitive selection process will have this identified on their program page.

Full-time status in a Fall, Winter or Spring (Long) term is gained when a student is enrolled in 9 (or more) credits. If enrolled in less than 9 credits the status is part-time. Full-time status in a Spring (Short) or Summer term is gained when a student is enrolled in 4.5 (or more) credits. If enrolled in less than 4.5 credits the status is part-time.

Basic computer skills using the internet, e-mail, and word processing are recommended in order for students to be successful. Students lacking these skills are strongly urged to complete a basic computer literacy course prior to entering their program.

APPLICATION FOR ADMISSION

Lethbridge College is a participating institution of the Alberta Post-secondary Application System (ApplyAlberta). ApplyAlberta provides individuals with the opportunity to authorize transfer of Alberta high school and/or post-secondary

transcripts between participating institutions. For more information about ApplyAlberta, please visit applyalberta.ca.

You can apply online by going to lethbridgecollege.ca/apply.

A \$75 CAD non-refundable, non-transferable processing fee must accompany your application. When applying online, you can use your VISA or Mastercard on our secure site.

Applicants are given one (1) opportunity to move their application, for the same term, from one program to a different program by completing a Change of Program form prior to the application deadline - with no additional application processing fee. Current students wishing to change programs for a future term may do so by completing a Change of Program form.

APPLICATION DEADLINES

Applications must be received no later than the date specified in the Academic Schedule for Domestic and International applications. These dates are outlined in the Academic Schedule at the front of the Lethbridge College calendar. Some programs have limited enrolment so we recommend applying early.

ADMISSION ROUTES

There are six routes for admission to Lethbridge College:

- High School
- Transfer
- Mature
- International
- Pathways to Advanced Learning
- Open Studies

The admission route the applicant is considered under will be determined by Lethbridge College based on one of the following:

1) High School – Applicants must provide high school transcripts showing successful completion of a Canadian high school diploma from a publicly funded institution with successful completion of an English 30-2 or equivalent course. [Note: See tables below for a list of programs that have additional academic requirements, or for programs that do not require a high school diploma for admission.]

2) Transfer – Applicants must provide post-secondary transcripts showing successful completion of a minimum of three (3) post-secondary level credit courses from a publicly funded Canadian accredited institution and be in good academic standing. To be considered, these courses must have been completed within the last five (5) years. [Note: See tables below for a list of programs that have additional academic requirements, or for programs that do not require a high school diploma for admission.]. Applicants requiring a high school math course may complete an assessment (refer to Placement Assessment Procedures).

3) Mature – Applicants applying through the mature admission route do not require a high school diploma. The applicant must:

- Be 19 years of age or older by the first day of classes, and
- Have been out of high school for a minimum one year, and
- Meet the English requirement through one (1) of the following:
 - Successful completion of a Grade 12 English course (minimum English 30-2 or equivalent)
 - Successful completion of a Post-Secondary English course
 - Assessment – refer to Placement Assessment Procedures

[Note: See tables below for a list of programs that have additional academic requirements, or for programs that do not require a high school diploma for admission.]

4) International – An international applicant or exchange student must present qualifications comparable to those of Canadian applicants which include meeting the English language proficiency requirement. International applicants and exchange students whose first language is not English, except those applying to English as a Second Language (ESL) must demonstrate English language proficiency by providing documentation for one (1) of the following:

- Completion of Grade 12 English (minimum English 30-2 or equivalent)
- Successful completion of all three (3) of the following Lethbridge College EAP courses with a minimum grade of C:
 - EAP 0096 Academic Writing
 - EAP 0097 Academic Communication
 - EAP 0098 Academic Reading

Admission Continued

- Official International English Language Testing System Academic (IELTS) score of 6.0 with no band below 5.5, taken within the last two (2) years
- Official Test of English as a Foreign Language (TOEFL) score of 550 (213 if computer-based testing) or iBT score of 80 taken within the last two (2) years
- Pearson (PTE) with a minimum score of 54 completed within the last two (2) years
- Successful completion of at least one (1) transfer level post-secondary English course from an accredited English speaking post-secondary school

[Note: See tables below for a list of programs that have additional academic requirements; or for programs that do not require a high school diploma for admission.]

5) Pathways to Advanced Learning

– Students wishing to access laddering opportunities into advanced credentials will ensure admission requirements are met for the next level program. The student should contact an Academic Advisor.

6) Open Studies – An individual wishing to register in Lethbridge College credit courses without applying to a designated program of study may register as an Open Studies student. The following conditions apply:

- Open Studies students must meet individual course pre-requisite requirements for each course in which they register.
- Open Studies students may only enroll as part-time students. If a student requires full-time status, they

must apply to a Lethbridge College program.

- Students enrolled in Open Studies must pay all course fees at time of registration.
- Students enrolled in Open Studies are not eligible to earn a program credential through cumulative course work without applying and being admitted to a designated program prior to their last term of study. Once admitted to a program they must comply with the program requirements related to their year of admission.

Note: The following table outlines additional academic requirements by program area. The minimum grade required is 50% unless otherwise stated, or successful completion of a higher level course.

Program	Gr. 12 Math (30-1)	Gr. 12 Math (30-2)	Gr. 11 Math (20-1)	Gr. 11 Math (20-2)	Gr. 12 Biology	Gr. 11 Biology	Gr. 12 Chemistry	Gr.11 Chemistry	Gr. 11 Physics	Gr. 12 Science
Business Administration	■ OR ■									
Civil Engineering Technology	50% OR 60%								■	■
Community Health Promotion				■	■					
Computer Information Technology	■ OR ■									
Engineering Design and Drafting Technology	50% OR 60%								■	■
Environmental Assessment and Restoration	■ OR ■						■	■		
Exercise Science					■					
Geomatics Engineering Technology	50% OR 60%								■	■
Interior Design Technology	■ OR ■									
Massage Therapy					■					
Natural Resource Compliance	■ OR ■						■			
NESA (for information only) Refer to University of Lethbridge Academic Calendar.										
Practical Nursing *Refer to program page for additional requirements				60%		60%				
Renewable Resource Management	■ OR ■						■	■		
Therapeutic Recreation - Gerontology						■				

Admission Continued

In all cases, equivalencies to courses required for program admission will be considered.

The following table identifies programs that do not require a high school diploma; specific high school courses required for admission are listed. The minimum grade is 50% unless otherwise stated.

Program	Gr. 11 English	Gr. 10 English	Gr. 11 Math	Gr. 10 Math
Agriculture Heavy Equipment	■		■	
Automotive Systems	■		■	
Culinary		■		■
Health Care Aide		■		

If assessment is being completed in lieu of academic requirements, the following minimum cut scores will be required to fulfill admission requirements. These cut scores represent a passing grade of 50% for the listed courses. Programs requiring a higher completion grade for a specific course may have higher cut score requirements than those listed.

Subject and Grade Level	Sentence Skills	Reading Comprehension	Write Placer	Arithmetic	Algebra
English – Grade 12	85	80	6+		
English – Grade 11	75	70	5+		
English – Grade 10	65	65	4+		
Math – Grade 12				60	60
Math – Grade 11				60	55
Math – Grade 10				55	50

Lethbridge College does not provide alternative assessment for the sciences; therefore, successful completion of those courses is required for admission.

COLLEGE AND UNIVERSITY PREPARATION – UPGRADING OPTION

In some cases, applicants may require further upgrading in order to be eligible for admission into programs and may choose Upgrading to fulfill these requirements.

An applicant entering the College and University Preparation – Upgrading program will be placed in relevant courses according to the highest high school courses if completed within the last three (3) years.

An applicant entering the College and University Preparation – Upgrading program whose most recent high school education is over three (3) years old OR has no high school courses will complete an assessment test for placement recommendations. Refer to Placement Assessment Procedures below.

TRANSCRIPTS

Official transcripts are the academic records from any high school, college, technical institute or university you have attended. An official transcript is sent directly from a provincial department of education and/or from other institutions to the Admissions Office at Lethbridge College. The Admissions Office will notify you of required transcripts.

Applicants who apply through ApplyAlberta will be able to authorize the transfer of their Alberta high school and/or post-secondary transcripts to Lethbridge College at the time of application.

Current High School Students – If you are currently enrolled in Grade 12 courses, you may report on your courses in progress by submitting a schedule from the high school showing your course enrolment.

High School Transcripts from Other Provinces – Transcripts may be obtained by contacting the appropriate education board of the province in which you attended or are attending high school. Ontario, Quebec, New Brunswick, Nova Scotia, and PEI high school students can request transcripts directly from the high school attended. Official transcripts should be sent directly to Lethbridge College in a sealed envelope from the school attended.

Post-Secondary Transcripts – Transcripts from post-secondary institutions must be issued in a sealed envelope, signed by the institution and bear the official seal. At your request, an official transcript is sent directly from the institution to the Admissions Office at Lethbridge College. In order to obtain official copies of your post-secondary transcripts, contact the Registrar's Office of the institution(s) that you attended.

Apprenticeship and ESL applicants are not required to submit high school or post-secondary transcripts.

Admission Continued

All transcripts submitted to the college become the property of Lethbridge College. Neither the original transcript nor copies will be released to you or anyone outside the college.

The transcripts and other supporting documentation of all applicants who are not admitted or who do not attend are destroyed. If you wish to re-apply at a later date, a new set of documents must be supplied.

NOTIFICATION OF ADMISSION STATUS

As an applicant, you will be assigned a Lethbridge College (LC) student ID number. This student ID number will provide you with access to the MyHorizon Portal which includes self-service options including LC e-mail message centre, admission status, required admission documents, class schedule, web registration, and billing information. Applicants are responsible for monitoring the online portal. E-mail is the primary method of communication with the applicant.

Once accepted, an Offer of Admission is mailed to the applicant's address on file. An applicant will be required to confirm their acceptance by signing and returning their acceptance letter along with the required tuition deposit by the deadline indicated in their letter. A portion of the tuition deposit is refundable prior to 20 business days before the first day of the term, after which the entire deposit is non-refundable. International deposits are non-refundable unless a visa denial letter is received in Admissions prior to the start date of the term.

APPLICANT AND STUDENT RECORDS

Any information concerning you, including all documentation provided in support of your Application for Admission, will be kept confidential. Information concerning you will be released to third parties only upon your written authorization. For information, see the Student Records (Collection, Access To and Disclosure of Information) Policy in the academic policies.

Lethbridge College will not be responsible for incorrect mailings or for missed deadlines due to an applicant's failure to report a change of address or to have supporting admission documents delivered to Lethbridge College by the dates required.

PLACEMENT ASSESSMENT PROCEDURES

Individuals applying to the College and University Preparation program may be evaluated to measure their proficiency in English reading and writing and/or math skills for accurate placement in upgrading courses at Lethbridge College.

Individuals applying through the Mature Admission Route may be evaluated for proficiency in:

- English reading and writing skills required for admission to Lethbridge College.
- Math skills required for admission to some Lethbridge College programs.

Individuals applying through the Transfer Admission Route may be evaluated for proficiency in:

- Math skills required for admission to some Lethbridge College programs.

Applicants who require assessment will be notified by the Admissions Department.

Applicants are responsible for booking their own appointment with Testing Services at least one (1) business day in advance of the assessment. Applicants requiring administration of assessment at an external location require additional advance notification.

If assessment results do not meet the admission requirements:

- Applicants are advised that they have one (1) additional opportunity (if time allows) to be evaluated on those skill areas which fall below the requisite cut scores;
- A minimum two (2) week period after initial assessment must pass before an applicant will be reassessed.

If the second assessment results do not meet the admission requirements:

- Applicants must wait a minimum of three (3) months from the last assessment date before being re-evaluated;
- An applicant is responsible for payment of a fee if a third attempt is required within a twelve (12) month period.

Placement decisions are based on an applicant's assessment results, which remain valid for a period of two (2) years. Post-secondary placement decisions are relevant regardless of the program to which the applicant applies.

An applicant may be assessed a maximum of three (3) times within a twelve (12) month period.

Applicants may consult with an Academic Advisor to discuss upgrading courses that will fulfill admission requirements.

RETURNING AFTER AN ABSENCE

An application to return after an absence is subject to the following conditions:

- a. Approval to return after an absence is based on space availability and requires Registrar approval.
- b. An individual accepted to return after an absence are governed by the Academic Calendar pertaining to their year of re-admission as outlined in college policy and procedure related to graduation requirements.
- c. Honours, Good or Probationary Status – An Individual whose previous academic standing was Honours, Good or Probationary may return to their program after an absence of one (1) term [or two (2) consecutive terms when one (1) of the terms include the spring/summer term] by completing a **Return to Program** form. There is no charge associated with this process. In all cases, a continuous absence that includes a Fall and Winter term requires a new application (with associated application processing fee) to Lethbridge College.
- d. Disqualified Status – An individual may apply for re-admission to Lethbridge College provided they have not had two (2) disqualified standings in their last two (2) terms of enrolment.

An individual who has had a disqualified status in their last two (2) terms of enrolment will not be considered for admission for the next immediate term following the second disqualification. A minimum of one term (fall or winter) must elapse after the second disqualification standing was imposed in order to be considered for re-admission. Re-admission after a disqualified status as defined above will be considered upon submission of a new application and the applicable application processing fees to Lethbridge College.

TRANSFER CREDIT

Transfer credit is credit given for course work successfully completed at one post-secondary institution and transferred towards the completion of a credential at another post-secondary institution.

Lethbridge College has established transfer agreements with many other colleges, institutes, and universities which make it easy for Lethbridge College students to access additional learning opportunities.

Admission Continued

You may meet admission requirements or avoid duplicate coursework by applying your Lethbridge College credential as transfer credit with any of our numerous partner institutions.

Discover where your Lethbridge College education can take you! Visit www.transferralberta.ca or speak with an Academic Advisor to research your future opportunities.

REGISTRATION

Registration is the process where you select or are enrolled in the course or courses required to complete your program of study at Lethbridge College. Registration occurs after confirmation of the Offer of Admission.

Information regarding registration will be e-mailed to you. You are encouraged to monitor your College e-mail account for possible updates.

Your acceptance of our offer assumes that you are bound by the rules and regulations of the College and that you and/or sponsoring agency agree to be responsible for the fees associated with registration as of the acceptance date.

Please ensure you are registered prior to the term start date by accessing your schedule through the MyHorizon Portal under WebAdvisor. (Refer to the Academic Schedule on Page 3 of the calendar.)

POLICIES

Policies are a guide to organizational operation and behavior. Members of the Lethbridge College community are governed by policies that are consistent with College values. It is the responsibility of students to be aware of, and comply with, all relevant policies. Full policy information is available on our website: <http://www.lethbridgecollege.ca/about-us/policies-procedures>. The majority of policies relevant to students are listed under the categories - Academic Programming & Instructional and Student Services & Support. Other relevant policies such as Parking & Traffic Management are included in the additional categories. If you have any questions, send us an email at policy@lethbridgecollege.ca.

Financing Your Education

FINANCING YOUR EDUCATION

Student Loan Basics

You must apply for government student loans through your province of residence; this is wherever you have lived most recently for the last 12 months in a row while not attending a post-secondary institution on a full-time basis.

Application Time Lines

New student loan applications are updated annually and are typically available by mid-June. You can apply for student loan funding any time after this; up until six weeks before your study period ends.

What information do I need to apply?

If you are applying for an Alberta loan electronically, most of the required information will be available to you online. As long as you have correctly entered the institution and the program name and selected the correct study period from the drop-down boxes during which you plan to be full-time, the maximum tuition, fees, and book amounts will be displayed. You may request less than the maximum, but not more.

If you are an out-of-province student or using a paper application, these program-related costs will be available through the Lethbridge College website on the appropriate program page. (Note: Students in Year 1 or 2 of NESA must apply for loans as Lethbridge College students even though they apply for admission through the University of Lethbridge.)

If you are a "dependent" student applying for an Alberta Student Loan, you will need information and signatures from your parents if you would like to be considered for federal grants. Students in other provinces must provide parental information and signatures if they are considered to be dependents by their province.

Alberta students may apply online at studentaid.alberta.ca. You will need your Social Insurance Number, Alberta Student Number and Line 150 from your most recent tax return (and that of your parents/spouse if applicable).

Note: Some circumstances require paper applications (i.e., if you have previously received part-time study grant or loan funds).

How do I qualify?

First you must demonstrate financial need. Education is considered to be an investment on the part of the student, the family and the government (taxpayer dollars cover your interest while you are in school). You must have a provincially-established minimum amount of savings to contribute yourself (this amount varies by province and circumstance) and when it is deemed appropriate, parents may also be expected to contribute. It is essential that students take care of outstanding financial issues prior to attending college; servicing debts while on a student loan is extremely difficult and the pressure this involves may jeopardize your academic success.

Please note that government-sponsored student loans are restricted to those students in post-secondary classes on a full-time basis. Upgrading classes cannot comprise any of the 9 credits per term that is designated as the Lethbridge College 'full-time' requirement. Post-secondary students studying at a level below 9 credits per term may be eligible for part-time Canada Student Loans.

Part-time loan applications are available as PDF printable forms through studentaid.alberta.ca, but they require authorization by Lethbridge College's Financial Aid staff.

What do I do after I submit my loan application?

In most cases you will be apprised immediately of your funding assessment; however, if you have applied with a paper application or there are any special circumstances attached to your application, processing times can take up to six weeks. Applying early ensures that your funding has adequate time to arrive at the start of your studies. Be sure to check the email address you used for your application as you will be notified to log into the online portal. All documentation is now sent electronically only. All approval letters, requests for information and so on will be accessible via the online portal under your username and password. If you do not have access to a computer or due to error cannot apply online, you must call Student Aid at 1-855-606-2096 to request a paper application.

Review the Notice of Assessment.

This documents the type, amount, and disbursement date of all the funding you will receive during your academic year.

It must cover your entire period of studies so budget accordingly; almost all students receive more funds in the first term than the second though costs remain relatively constant. All documents can be accessed online via the SIAMS portal on the Student Aid website. Physical documents are no longer sent in the mail so be sure to regularly check your Student Aid account.

Your Master Student Financial Aid

Agreements will be accessible to print off from your Student Aid Account within 48 hours of your loan being approved. The documents will no longer be sent in the mail and are only accessible online. Sending in this/these document(s) will release your loan once Lethbridge College Financial Aid staff have electronically confirmed your full-time status and, depending on timing, requested an amount to be remitted directly to Lethbridge College. This amount is limited to the balance of tuition and fees you owe for the term you are just about to enter. Fees for residence, laptop and daycare amounts cannot be requested from student loans. If you are not assessed for a second loan disbursement near your second term and/or if your student loan award is not sufficient to cover your fees, you will be responsible for making those payments directly to Lethbridge College. Your MSFAA is typically required only once, when you first apply for loans, unless you take a break from studies (you will not be required to do one each year even though you are required to apply for loans annually).

You are to take your MSFAA to a designated post office (a list of these is provided with your documents) along with photo ID, your Social Insurance Card (or a tax return NOA) and banking information or a VOID cheque (two if you receive two MSFAA's). These have to be reviewed and stamped by trained staff at the postal outlets and then mailed to the addresses provided.

Your completed MSFAA will trigger the release of your student loans by the lender. If any loan balance remains, it will be deposited into your bank account. The time it takes for this to occur varies, but students can generally expect their funds to appear in their bank accounts two weeks after processing the MSFAA.

Fees and Financial Information

What if I withdraw from my program or drop below full-time requirements?

If you drop below the 9-credit per term requirement, your loan will be cancelled. Your provincial and the federal government's student aid office will be notified and any further funding will be stopped. If you don't reapply for a loan and register as a full-time student within six months, your repayment will begin six months after your date of withdrawal from full-time studies.

If you have received grant monies, the lender will contact you about options and will likely reassess a pro-rated portion as loans when you go into repayment.

The payment of all fees and deposits is mandatory. Lethbridge College Board of Governors reserves the right to change fees and deposits when necessary and without notice. Students enrolled in all terms pay tuition, Technology Infrastructure Fee, and the Athletics Fee. In addition, Students' Association fees, including student health and dental insurance, are set by the Students' Association and are collected by the College on their behalf.

WHERE CAN I PAY MY FEES?

You can make payments 24 hours a day, 365 days a year through your financial institution via telephone/online banking. Please ensure that all payments made through your financial institution will be received by Lethbridge College in sufficient time to be processed by the fee due dates. Please refer to the Lethbridge College website for other payment methods which are available for your payment convenience.

Learners provided with a user name and password will have access to our Internet portal for payments with MasterCard and Visa and to view their account status. T2202A tax forms are also provided via the portal.

Payments for all tuition and fees can be made in the Finance office and/or the Registrar's office. The Finance office is open 8:30 a.m. to 4:30 p.m. Monday through Friday. It is located on the second floor of the Centre Core, Room CE2310. The Registrar's office is open 8 a.m. to 4:30 p.m. Monday through Friday and is located on the main floor, adjacent to the Centre Core, Room PA1130.

When do I need to pay my tuition and fees?

All fees are due and payable, by the last day of the add/drop period. The 2017-2018 fees are due for the following terms:

Term	Due Date
Summer I Term (July - August)	July 6, 2017
Fall Term (September - December)	September 13, 2017
Winter Term (January - April)	January 11, 2018
Spring & Summer II Term (May - June)	May 14, 2018

- Course changes made after the fee payment dates may result in additional fees. These additional fees must be paid at the time the course changes are made. Resulting credit balances may be retained "on account" or a request may be submitted for subsequent refund to the student and/or sponsor.

Non-payment of fees, if appropriate arrangements have not been confirmed with Accounting Services by the due date, will result in the student's registration being cancelled.

It should be noted that non-attendance of classes does not constitute automatic withdrawal. Students must submit a completed Add/Drop form to the Registration Office if they will not be attending classes for which they have been registered.

Students who have applied for and received confirmation that they will be receiving student loans will normally have fees deducted for the current term. Loan borrowers have the option of bringing loan documents to the Financial Aid Office and requesting that both terms' tuition and fees be remitted during the first term. Sponsored students and those applying for a student loan are responsible for making payments or appropriate arrangements with Accounting Services if their sponsorship/loan has not been approved by the due date. Any resulting refunds from payments received through the student loan appropriation will normally be forwarded directly to the loan provider.

2017-2018 Fees

APPLICATION PROCESSING FEE

This \$75 CDN non-refundable, non-transferable processing fee must be remitted for each occasion a student applies to Lethbridge College and for each program to which they have applied. Applicants are given one (1) opportunity to move their application, for the same term, from one program to a different program by completing a Change of Program form prior to the application deadline, with no additional application processing fee. Current students wishing to change to another program for a future term may do so by completing a Change of Program form.

TUITION

Tuition fees are based on the credits of the course. Athletic fees, technology fees, supplies, GST, and other fees, as applicable, are assessed and charged in addition to these tuition fees. The 2017/2018 Student Fee Schedules had not been finalized as of the date of publication of this calendar. Please check Lethbridge College's website for the 2017-18 tuition fee rates on courses and programs and other fees that are applicable for these services at lethbridgecollege.ca.

Projected Credit Tuition Rate for Subsequent Periods: The Alberta Advanced Education Tuition Fee Policy requires institutions to publish four-year credit tuition fee projections in their calendars. In addition to the confirmed 2017-18 credit tuition fee rates as listed on the website, the planned credit tuition rates for 2018-19, 2019-20, and 2020-21 will be set in accordance with the parameters of the Tuition Fee Policy.

The projections for the subsequent periods will be based upon the Province of Alberta consumer price index (CPI) rate.

These rates are subject to annual review and adjustment as determined by Lethbridge College's four-year business plan cycle in conjunction with student consultation, athletic fees and certain other fees are not included in these projections as they are not subject to the Provincial Tuition Fee Policy and they may be adjusted annually.

STUDENTS' ASSOCIATION FEES

Student membership fees are established and governed through the bylaws of the Lethbridge College Students' Association (LCSA). LCSA fees are mandatory for all students enrolled in credit courses.

LCSA fees are assessed upon College registration and are due and payable under the same terms and conditions as tuition fees.

The 2017-2018 Students' Association fees are assessed at \$4.95 per credit for students enrolled in credit courses. Credit courses offered at satellite campuses, through Online Learning and practicum courses, are assessed at \$2.22 per credit.

Students' Association fees collected are distributed to the accounts of the LCSA as follows:

Students' Council Fund	57%
Capital Purchase Trust Fund	17%
Campus Recreation Fund	24%
Wellness Fund	2%

HEALTH AND DENTAL PLAN FEES

The LCSA has implemented Extended Health and Dental plans for students. Extended Health and Dental fees are mandatory for all students who meet the eligibility criteria. All LCSA fees are assessed upon College registration and are due and payable under the same terms and conditions as tuition fees.

Fees for the LCSA Health and Dental plans are as follows:

Fall • Provides coverage from September 1, 2017 to December 31, 2017

Health	Dental	Total
\$69	\$69	\$138

Winter • Provides coverage from January 1, 2018 to August 31, 2018

Health	Dental	Total
\$69	\$69	\$138

You may opt-out of the plan if you provide proof of comparable coverage for an extended health and/or dental care benefits plan and complete a waiver form before the opt-out deadline.

Any questions regarding LCSA Fees including the Extended Health and Dental fees should be directed to the LCSA Office 403.320.3373.

TECHNOLOGY INFRASTRUCTURE FEE

This is a compulsory fee assessed to students enrolling in any credit course (except for apprenticeship programs) at Lethbridge College. The fee supports the on-going maintenance and upgrades to administrative systems that support the entire College infrastructure.

As such, it is not considered a "fee for instruction" and, therefore, not subject to Alberta Advanced Education Public Post-Secondary Institutions' Tuition Fees Regulations. Any subsequent changes to this fee rate will, however, be included in the consultative process with the student body just as is required with fees applicable under the Tuition Fee Policy guidelines. Visa students are charged the same rate as Canadian residents for this fee.

MOBILE LEARNING

Lethbridge College offers several computer technology intensive programs which incorporate the latest software and hardware into its curriculum to enhance teaching, learning, and graduate employability.

Students enrolled in the following programs are required to purchase a mobile device from Lethbridge College complete with program specific software:

- Interior Design Technology
- Engineering Design and Drafting Technology
- Civil Engineering Technology
- Geomatics Engineering Technology
- Digital Communications and Media

For further information about mobile device fees, go to www.lethbridgecollege.ca/mobilelearning.

ADDITIONAL FEES

There may be additional charges for field trip costs and for other items in a particular course. These charges will form part of the course cost at the time of registration and be in addition to the mandatory fees.

SUPPLEMENTAL EXAMINATION:

100% of one credit value of the applicable course tuition fee rate.

PRIOR LEARNING ASSESSMENT:

Fees assessed for prior learning assessments are based on the credit value of the course.

- 1.5 learning credit course - \$90.00
- 3.0 learning credit course - \$180.00
- 6.0 learning credit course - \$360.00
- CUPP 5.0 learning credit course - \$200.00

Re-registration Fee (post add/drop period): \$50 per course section excluding labs and tutorials.

2017-2018 Fees Continued

Students are responsible for printing on campus. Printing cost for a standard black & white 8.5" x 11" copy is 10¢ per page. Larger format and colour copies are also available at a higher cost. (Prices are subject to change).

This excludes printing from our on-campus printer - Grenville the Copy Centre.

PARKING

Paid parking is available on campus at the current approved fee rates.

ACCOMMODATIONS

To view the 2017-18 residence/accommodation rates, please refer to the online information at lethbridgecollege.ca/student-experience/housing.

GENERAL REGULATIONS GOVERNING PAYMENT OF FEES

Final confirmation of acceptance will be contingent upon receipt of the required tuition fee deposit or sponsorship confirmation and the signed Offer of Admission within the dates specified in the Offer. All fees are due and payable in full, or arrangements made with Accounting Services, on or before the dates defined in the academic calendar.

Students who have not paid their fees or made arrangements with Accounting Services for payment of fees in full, by the scheduled dates will have their registrations cancelled from programs and all courses in which they are currently registered.

Students with outstanding indebtedness to Lethbridge College are placed on Financial Hold and all transcripts, marks statements, parchments, and Student I.D. cards are withheld. In addition to collection procedures, this will restrict access to the College in the future. The Accounting Services Department should be contacted immediately to resolve any outstanding obligations. Issuance of "NSF" cheques will result in the student not being able to pay with a cheque in the future.

Subsequent to initial registration in various courses, the College does permit a restricted time period for the student to adjust their course load by making such changes through the Registrar's Office not later than the end of Add/Drop Period. Changes made will, in all probability, result in an adjustment to the financial fee obligation. Responsibility for the changes in fee amounts will be handled as follows:

- Tuition fee deposits may be transferred from one program/course to another or from one term availability of space at the time of reactivation. Such transfers are restricted to programs designated as "credit" and scheduled for delivery within the same academic year.
- All financial obligations must be settled before a parchment, scholarship, medal, prize or grades can be awarded or issued. Students unable to meet fee obligations while awaiting a loan or grant assistance must make arrangements with Accounting Services prior to the fee due date and before attending any classes. Sponsored students must check with their sponsoring agency to ensure which fees or portion of fees would not be covered. It is the student's responsibility to ensure payment, by the posted dates, of any fees not covered by the sponsoring agency.

Note: Additional fees must be paid at the time the course changes are made. Resulting credit balances may be retained on account or a request may be submitted for subsequent refund to the student and/or the sponsor.

REFUNDS, INDIVIDUAL COURSE DROPS & PROGRAM WITHDRAWAL TIMELINE INFORMATION

Please check online for updated information regarding timeline periods for individual course drops, program withdrawal and refund of fees.

POLICIES

Policies are a guide to organizational operation and behavior. Members of the Lethbridge College community are governed by policies that are consistent with College values. It is the responsibility of students to be aware of, and comply with, all relevant policies. Full policy information is available on our website: <http://www.lethbridgecollege.ca/about-us/policies-procedures>. The majority of policies relevant to students are listed under the categories - Academic Programming & Instructional and Student Services & Support. Other relevant policies such as Parking & Traffic Management are included in the additional categories. If you have any questions, send us an email at policy@lethbridgecollege.ca.

Services for Learners



Find out more about:

- Learner Support Services
- Facilities
- Fitness, Wellness & Recreation
- Students Serving Students

and other services we offer to help you succeed.

Services for Learners

LEARNER SUPPORT SERVICES

ACADEMIC ADVISING • 403.320.3202 EXT. 4905

Academic advisors are post-secondary professionals whose primary goal is to support you in reaching your academic and career goals. Our advisors use a developmental approach, meaning they teach you how to take responsibility of your own learning, including how to:

- create an academic plan;
- complete your registration;
- access support for students.

Advisors can also help you navigate through your program options and college policies and practices. Booked appointments, drop-in, phone appointments, and Live Chat are available. Hours are noted online.

ACCESSIBILITY SERVICES 403.320.3202 EXT. 5400

Accessibility Services is committed to supporting current and prospective students with physical or learning disabilities, sensory impairments, mental health issues, or chronic medical conditions. Lethbridge College's Academic Accommodations for Students with Disabilities policy outlines procedures for accommodating students according to their distinct needs and without compromising academic standards and principles. Students registered with the department may access assistance with admission and registration procedures and applications for disability-related funding. Additional supports include classroom and exam accommodations, educational assistance, learning strategies, assistive technology training, and ongoing disability counseling. For more information, call or drop in to Accessibility Services (TE1222) or email accessibilityservices@lethbridgecollege.ca.

CAREER ADVISING • 403.320.3202 EXT. 4905

Group career advising sessions are available to current and prospective Lethbridge College students. These two-part sessions assist you in identifying your career goals and developing effective strategies for achieving career satisfaction and success. During the first session, you complete an online interest inventory. In your second session, you meet one-on-one with an advisor to go over your assessment and results and to look at your options.

Individual career advising sessions are also available in two-part sessions. The first session typically takes about 20 minutes as you complete a career assessment. A second session is scheduled for another day to review your results with an advisor, which typically takes an hour.

CHAPLAINCY SERVICES • 403.382.0294

Chaplaincy services provide spiritual support to Lethbridge College learners through the joint cooperation of a number of area churches. In addition to spiritual counselling, the Chaplain also organizes and co-ordinates a home-cooked meal at the end of both the fall and winter terms. Services may be accessed by making an appointment by telephone at 403.382.0294.

HEALTH & SHEPELL COUNSELLING SERVICES (CE1380) • 403.320.3289

Lethbridge College Health and Counselling Services is here to provide supportive care for students and their families. Our health care team of registered nurses, doctors, counsellor, and psychiatrist are here to collectively and positively influence your health and wellness. Services include information on general health concerns, mental health, sexual health such as birth control options and STI testing. Health Services also provides emergency First Aid assistance. Physicians hold regular office hours, Monday to Friday in addition to a psychiatrist on site one day a week. Open Monday-Friday, 8 a.m. to 4 p.m.

Counselling Services

Lethbridge College offers all Lethbridge College students access to free counselling and other work life services through the Student Support Program (SSP). This program provides students with a wide range of in-depth counselling services, including face-to-face counselling on campus.

How to access the SSP (to book an appointment or for information, immediate counselling, etc):

- Call the Shepell Care Access Centre toll free at 1-855-649-8641.
- Log in at <http://www.mystudentsupport.com> and use the "Call Now" or "Chat Now" icons.
- Download the "MyEAP" app and use the chat function.

Students will be able to access immediate, confidential help from Shepell-fgi SSP 24-hours a day, seven days a week and 365 days a year.

Here are a few things to keep in mind:

- Counselling sessions can take place on-site in face-to-face appointments with a counsellor or can be scheduled with Shepell-fgi counsellors in the community;
- In addition to face-to-face counselling sessions, students can access online, video or telephone counselling;
- Students also have access to a wide variety of health and wellness services including: financial support services, health coaching, legal advice, nutritional services, parenting support, and more.

To access any of the services offered, start by calling 1-855-649-8641 or visiting mystudentsupport.com. Simply provide the college name (Lethbridge College) and that you are a college student, for full access to the SSP services and all of the additional resources.

DAY CARE CENTRE • 403.320.3430

The Lethbridge College Day Care Centre is operated primarily as a student service, although College staff may also use the Day Care if space is available. The Day Care is licensed for 42 children, aged 19 months to school-age and is in operation all year long. Full and part-time care is available. Students should apply early as there often is a wait list. Fee rates are available upon request and subsidies are available to qualified parents. If you would like more information about the Day Care, please contact the Director to set up an appointment to visit. You may also apply by using our fax/mail back application form available in PDF format on the Lethbridge College website.

ONLINE LEARNING • 403.320.3323

For general information, refer to the Online Learning section of this calendar or contact the Student Services Office at 403.320.3323.

STUDENT CAREER & PROFESSIONAL DEVELOPMENT • 403.320.3202 EXT. 5347

Career and Employment Services include:

- Career preparation strategies;
- Extensive database of employers and employment opportunities;
- Graduate summaries listing skills acquired in each Lethbridge College program;
- Resources and assistance with career planning and the job search.

Services for Learners Continued

LIBRARY • 403.320.3352

As the hub of learning at Lethbridge College, the library is the place to find scholarly resources, work on individual or group projects, access a wealth of information in various formats and find helpful advice to assist you with your learning needs. A highlight of the services and resources we offer:

- Research assistance
- Pleasant study space including group study rooms, individual study carrels, quiet study space
- 24/7 access to 80+ electronic databases with quality online information sources
- AV equipment loans such as laptops and iPads
- Current DVD, print and journal collections
- Computers in our Learning Commons and the IB Commons with word processing, spreadsheet, database applications and Internet access
- Student technology support such as assistance with Canvas and the MyHorizon portal
- The Alberta Library Card allows you to borrow from more than 300 libraries in Alberta
- Air Media system allows you to project laptops onto TVs via wireless connection
- Our partnership with Lethbridge Public Library brings popular reads to the college library for your convenience.

THE MYHORIZON PORTAL 403.320.3352 (LIBRARY)

lethbridgecollege.ca

The MyHorizon Portal is your web interface to Lethbridge College.

The MyHorizon Portal provides you with a College e-mail account and access to a variety of services designed to enhance your learning experience.

- Pay for your courses, program and other fees online with a credit card.
- View College information at your leisure.
- View real-time updated course and program information.
- View your marks any time.
- Access e-mail links to other learners, instructors and services.

If you need help accessing the Portal or have any questions, see the staff in the Information Commons in the Instructional Building or in the Learning Commons in the Library. For hours and questions call 403.320.3352.

RECRUITMENT • 403.320.3322

The Recruitment Team at Lethbridge College consists of post-secondary recruitment specialists who spend much of their time bringing the College to you! Our team travels all over Canada to meet with and advise future and current students.

Our Recruitment Team will visit your high school, community event, career fair and/or employment agency to provide you with the necessary information to help you to transition to Lethbridge College.

Our Recruitment Team invites you to visit us on-campus to explore the many possibilities that are available to you at Lethbridge College. If you would like more information about Lethbridge College, or if you would like to book an information session, campus tour, group tour or become a Student for a Day please contact us at info@lethbridgecollege.ca or phone us at 403.320.3322. Also keep a lookout for our Open Houses which take place October and February of every year.

Student for a Day is available October-November and February-March. Campus tours are offered year round, Monday-Friday, 11 a.m. and 2 p.m. Please call ahead to arrange your individualized tour. Still can't make it to campus? Check out our virtual tour. It allows you to see into our state-of-the-art hands-on learning environments. You can access the tour from the Lethbridge College main page by clicking the green "campus and virtual tours" button.

SECURITY SERVICES • 403.320.3206

Security Services is responsible for campus security awareness, after hour facilities access, lost and found, responding to emergency calls, alarm monitoring and providing security-related assistance to staff, students and the general public. Parking issues are to be directed to Facilities Management. The Lethbridge Regional Police can be reached at 403.328.4444 for non-emergency calls and via 911 (on-campus dial 9-911) for emergencies.

STUDENT EXPERIENCE • 403.320.3202 EXT. 5256

The role of Student Experience is to raise awareness of services available to you at Lethbridge College. We also promote activities to support your successful transition to and through college life starting with New Student Orientation. In collaboration with other departments,

a variety of activities are designed to provide helpful services and programs to enhance your overall experience as a student. E-mail: studentexperience@lethbridgecollege.ca. Students can stay up-to-date about on-campus activities that support their success by checking out the Student Activities Calendar found on MyHorizon under Student Life.

STUDENT FUNDING AND AWARDS 403.320.3372

Government Student Loans for Full-Time Students

Students interested in or dealing with issues in regard to student loan funding are supported by the staff at Financial Aid.

Students must apply through the province in which they spent their most recent twelve consecutive months as a non-full-time post-secondary student.

Electronic Loan Application Websites:

Alberta

www.studentaid.alberta.ca

British Columbia

www.aved.gov.bc.ca/studentaidbc/

Saskatchewan

www.aeei.gov.sk.ca/student-loans/

Saskatchewan students also require that a program information sheet be completed when they are studying out of province. These can be faxed to 888.819.9803 with the student's information section already completed and will be completed and forwarded directly to Saskatchewan Learning.

Manitoba

www.manitobastudentaid.ca

Most other provinces also offer on-line application options; search for your provincial government website or call your provincial service centre. Full-time students at Lethbridge College are eligible for government student loan funding whenever they meet government student loan requirements and remain enrolled in at least nine (9) post-secondary credits per (regular) term. Any questions can be directed to 403.320.3372 or toll-free: 1.800.572.0103.

Funding Options for Part-time Students Canada offers a part-time student loan option with a 'lifetime maximum' of \$10,000.

Services for Learners Continued

Part-time study grants are available to students who fall below certain income thresholds and usually cover \$600 per term, though particularly high need students may be able to access more. Part-time upgrading students may be eligible to access financial support through the Alberta Works program.

Canada/Alberta Works Grant Funding

Alberta residents who intend to enroll in English as a Second Language or academic upgrading should refer to www.myAlbertaSupports.com to review funding options, requirements, and to access both the online and paper application. Applications are now completed by the learners on their own. A document called the Training Provider Information Form must be completed and signed by the Financial Aid Department to complete the application. The TPI cannot be completed until the student has applied, been accepted to the College, paid the tuition down payment and been registered in classes. Questions about the application package should be directed to Alberta Supports at 1-877-644-9992.

Scholarships and Awards

The Lethbridge College Awards program offers hundreds of awards in-house and also administers provincial awards programs. For up-to-date information, click on 'Admissions' and choose Financial Aid from the menu on the right. Students enrolling at Lethbridge College for the first time or enrolling in a new program should check out 'Entrance' awards opportunities. Students continuing within their previous program should look under 'General' and 'Program' options and those successfully completing programs should click on the 'Graduating' category. There are thousands of awards opportunities beyond those offered by individual educational institutions; some external award options are listed on our website as well under 'External Awards'.

Lethbridge College awards are open for application March 1 to May 1 for continuing students and from March 1 to July 1 for new and entrance students. The electronic application is simple and takes only minutes to complete. Successful recipients receive a letter in the mail in July along with an award document redeemable upon registration for the value of the award(s).

If the student award is for a graduate, cheques are mailed out.

STUDENT FOR A DAY • 403.320.3322

Curious about what it's like to be a Lethbridge College student? Our Student for a Day program is a great way to help you decide whether or not both our school and programs are right for you! If you are in Grade 11 or higher, we'll pair you up with a current student in your program of choice and have you attend classes for the day. We'll even buy you lunch.

If you are a current Lethbridge College student who is interested in hosting a Student for a Day, not only will you have positive influence on someone's life, but you'll get a free lunch and a reference letter for volunteering.

Student for a Day may require up to two weeks' notice to schedule your visit. For more information or to register, contact the Recruitment Office by phone at 403.320.3322 or by email at info@lethbridgecollege.ca.

TESTING SERVICES • 403.320.3368

Testing Services (AN1602) supports all learners in reaching their educational goals by providing exam supervision and test administration according to specific needs. Online students, as well as on-campus students who miss an in-class exam due to illness or emergency, can make arrangements to write their exams in Testing Services, and so can new applicants who need to write ACCUPLACER for course or program placement. Students from other educational institutions and individuals/groups from the community can write exams at Testing Services for distance studies, program placement, and professional accreditation or certification. Lethbridge College's regional campuses also offer student exam supervision. If you are writing at the main campus, call or stop by in person to book an appointment at least one business day in advance. If you are writing at one of our regional campuses, more notice is necessary. Contact your regional campus for more information. Photo ID is required for all exam sittings.

LEARNING CAFÉ • 403.382.6952

The Learning Café works with students to develop the skills, strategies, and behaviours needed to succeed in their coursework and professional lives. Our qualified team of Academic Strategists and Peer Tutors provide the following supports:

1. Academic support in writing and research, APA documentation, math, sciences, computer and online learning skills;
2. Peer tutoring in courses with specialized content;
3. Academic strategies development, such as time management, effective study practices, test taking, learning technologies, and academic reading skills;
4. Facilitated study and project groups;
5. Workshops and individual appointments in group work strategies, and preparing and delivering effective presentations;
6. Online learning support in writing and math through eTutor Alberta (www.etutoralberta.ca);
7. Online learning resources through the eLearning Café (www.lethbridgecollege.net/elearningcafe);
8. Informal learning spaces for group and individualized study.

For more information, call or drop by the Learning Café (CE1340, south section of the library), or email learningcafe@lethbridgecollege.ca.

FACILITIES

BOOKSTORE • 403.320.3341

Regular hours and extended hours will be outlined at the beginning of each term.

The Bookstore provides you with the textbooks you need to successfully complete your courses. They have stationery supplies, educationally priced software, canteen items and Lethbridge College souvenirs. The Bookstore accepts cash, cheques, Interac, VISA and MasterCard.

Personalized Cheque: Payable to Lethbridge College for the exact amount of the purchase and with Student ID (we will accept your parent's endorsed cheque with your ID).

Credit Card: Credit card purchases must be signed for or pre-authorized by the credit card holder. Contact the Bookstore for more information.

Services for Learners Continued

COMPUTER LABS

Library Commons (Buchanan Library)
Information Commons (Instructional Building)

Please check our website for specific hours. Computer technicians are available in both the Information Commons and Library Commons to help new students set up computer accounts and understand software and procedures during the posted hours.

FOOD SERVICES

Food Services offer a wide variety of fresh menu items, from fresh-made sandwiches and soups, to pizza, burgers and heart-smart cuisine. Just about everywhere on campus you will find modern vending machines that dispense snacks, candy, sandwiches, hot and cold beverages, chips, etc. For more information (hours, menus, etc.), go to www.lethbridgecollege.ca/student-experience/student-services and choose 'culinary services'.

GARDEN COURT RESTAURANT 403.320.3230

Students, staff and community members from across southern Alberta can enjoy the latest culinary delights at the Garden Court Restaurant. The restaurant is run by the students from the Culinary Careers diploma program. The menus range from lunch express, buffets, gala dinners and evening dining at various times during the year. Reservations are recommended. Please call 403.320.3230 and leave a message to make your reservation.

Tim Hortons

Students, staff and visitors to Lethbridge College can also stop by for their favorite double-double or a box of Timbits at the college's Tim Hortons counter. Departments and groups on campus are welcome to order items for their meetings and gatherings, including coffee, pastries and sandwiches.

This full-service outlet generally follows the academic calendar and is open when regular classes are in session.

RESIDENCE • 403.329.7218

All our units have been specifically designed to meet the needs of our learners. Four bedroom townhouses, two bedroom suites, barrier free units for wheel chair accessibility, and single suites are available. Basic utilities are included in the residence fees and paid parking is available. Each bedroom is equipped with high-speed Internet, Wi-Fi modem.

Please see our website for further information at lethbridgecollege.ca/student-experience/housing.

FITNESS, WELLNESS & RECREATION

BE FIT FOR LIFE • 403.382.6919

The on-campus fitness resource centre provides fitness services, programs, information and activities designed to encourage and support a healthy lifestyle. Contact a Be Fit for Life representative for more information and services offered to our students and the community.

CAMPUS RECREATION • 403.320.3202 EXT. 5303

Our main objective is to provide a wide variety of quality programs to Lethbridge College students. Campus Recreation programs offer students the opportunity to be active, have fun and meet new people. To become involved with Campus Recreation activities, stop by the office during office hours. We encourage you to take pride in your college experience, to be active and get involved.

KODIAKS ATHLETICS • 403.382.6900

Student athletes must be enrolled as full-time students to be eligible to participate in the varsity athletics program. Student athletes can participate for a maximum of five years in the Alberta Colleges Athletic Conference (ACAC).

Men's: basketball, cross country, indoor track, soccer, volleyball.

Women's: basketball, cross country, indoor track, soccer, volleyball.

Student athletes are expected to live up to the 3 foundations of Kodiaks Athletics – Academic Accountability, Athletic Excellence & Student Athlete Experience.

In order to remain eligible, student athletes must earn a GPA that exceeds 1.5 in each semester.

Athletics Scholarship: Alberta residents or Canadian citizens who reside in Alberta for 12 consecutive months may be eligible for a Jimmie Condon Scholarship of \$1,800 per year. Students must maintain a 2.0 GPA and meet other team/ACAC requirements to be eligible.

All Kodiak home games are free for students with a valid Student ID card. GO KODIAKS!

PHYSICAL EDUCATION FACILITIES 403.382.6903

The Physical Education Complex includes the Val Matteotti Gymnasium (three full-size gymnasiums) with seating for approximately 1,100; four international-size squash and racquetball courts; a fitness testing centre; a fitness centre complete with Atlantis machines, free weights, cardio training equipment, portable equipment, and personal trainers; tennis courts; and a multi-purpose dance room. A steam room is also located in each locker-room area. The Physical Education department manages the lockers in the Phys. Ed. building. Locker cleanout occurs in May. Watch for posted information or come by.

STUDENTS SERVING STUDENTS

ALUMNI RELATIONS • 403.329.7220

The Alumni Relations Office reminds graduates that they are "Alumni for Life!" and encourages students to connect with the Alumni Office while on campus and to stay connected with Lethbridge College once their days here are complete.

Support to current Lethbridge College students:

There are several exciting initiatives and benefits through the Alumni Office for alumni as well as current students. These include student and alumni scholarships consisting of, entrance, mature entrance and graduate awards. There are also internships that are available through the Alumni Office. Another popular initiative that is available is Lethbridge College's "Pay it Forward" program. This is a 50/50 style draw that supports student scholarships while being able to win some money at the same time. Also, watch for pizza and pop giveaways throughout the year in the centre core kiosk. Additionally, students, alumni and the community can also receive the most up-to-date issues of Wider Horizons, the college's award winning magazine.

Convocation: The Alumni Relations Office is proud to provide each convocate with a small gift and welcome them to a group of over 31,000 Lethbridge College graduates from around the world.

Services for Learners Continued

Benefits of becoming a Lethbridge College Alum:

There are many benefits of being a Lethbridge College alum and the Alumni Relations Office is continually adding to the growing list of benefits that we provide our members. They include:

- Discounts on home and auto insurance plans through TD Insurance Meloche Monnex;
- Continued access to the Buchanan Library;
- Discounts on gym passes;
- Up to 15% discounts on alumni merchandise at the Lethbridge College Bookstore;
- Camps and continuing education classes for adults and youth;
- Free employment services through career services.

The Alumni Relations Office also hosts the Honouring Excellence celebration. This event is an annual occasion where we celebrate the accomplishments of our distinguished alumni award recipients and Lethbridge College's honorary degree recipient for that year. It is an exciting event to recognize the successes of our alumni.

Stay connected and get involved.

STUDENTS' ASSOCIATION 403.320.3373

The Lethbridge College Students' Association (LCSA) is an autonomous body made up of all students who pay SA fees. A Students' Council is elected by the members of the SA to represent the students' concerns. The Students' Council consists of six student representatives and three executive officers. The executive officers include President, Vice-President Operations & Finance, and Vice-President Student Life. One student is also appointed to the Board of Governors of Lethbridge College. Elections for executive officers are held in March of each year and the elections for representatives are held in September.

The LCSA provides many services, some of which include: photocopying (black & white, colour, transparencies), faxing, stamp sales, day planners, food bank, health and dental plans, student clubs, Lethbridge Transit passes, locker rental, and Campus Recreation. It is also involved in some political activities that affect all students.

It is a member of student organizations that lobby the government on such issues as tuition, student loans, etc.

STUDENTS' HEALTH AND DENTAL PLAN • 403.320.3202 EXT. 5310

Health and Dental Plans through the Students' Association are MANDATORY for full-time students who meet the eligibility criteria. Students with comparable coverage through parents, work, or a spouse (not provincial coverage), may opt out by the deadline (which coincides with the tuition payment deadline) by going online to www.mystudentplan.ca/lethbridge and completing the waiver/opt out form. Proof of alternate coverage is required to be entered when completing the request.

Please note: Students who have opted out of the Health and Dental Plan previously and need to get back onto the Benefits Plan must meet the eligibility criteria, and prior to the tuition deadline must contact the Health and Dental Benefit Plan office to complete the "Student Benefits Individual Enrolment Form & Receipt" to be reinstated.

Students on the plan may purchase coverage for a spouse and/or dependants. The family add-on form and payment of the additional fees is available at the Student Benefits Plan Office prior to any applicable deadlines.

For more information regarding deadlines, plan details, and to complete the online opt out/waiver form, please check the website. Information on the above is also available from the Student Benefits Plan Office (CE1350), by e-mail to lethbridgeplan@mystudentplan.ca, or by calling the above number.

OTHER SERVICES

LOCKERS

Locker users are required to pay a \$10 rental fee for the locker as well as a \$10 deposit for the issued lock. Staff and faculty will have lockers at a reduced rate, inquire for details.

Locker registrations are valid until May 30th of the academic year; users will return their lock to the Lethbridge College Students' Association office by this date, and the LCSA will refund their \$10 lock deposit.

Only LCSA issued locks are allowed on campus lockers.

Important Dates:

July 1 - Lockers are available for rent.

May 31 - Deadline to return lock and receive your lock deposit back.

June 1-30 - Lockers are unavailable for rent.

June 30 - Final day to pick up unclaimed contents.

For more information, contact the LCSA locker coordinator at 403.320.3202, Ext. 5303, by e-mail at lcsa@lethbridgecollege.ca, or come by the Students' Association Office (CE1350).

LOST AND FOUND

Lost and Found is operated by the Security Services Department. Items turned in can be claimed at the Security Services Office in CE1303, in the Centre Core. Photo identification is required to claim items. Items are kept for 60 days from the date they are turned in.

MEDIA

The Endeavour: The student newspaper is published 18 times during the academic year and is also available online at <http://endeavouronline.ca>. The newspaper reports campus news while providing training for students in the Digital Communications and Media program. The Endeavour is located in TE3225.

CRLC: CRLC Radio streams on the Internet at <http://thekodiak.ca> and broadcasts on a closed circuit on campus. Operated by Digital Communications and Media students, the station plays a mix of contemporary music formats, along with news and feature programming. The station operates continuously during the fall and winter semesters. Students are given hands-on training, covering all aspects of the radio station's operation. CRLC is located in TE3245.

PARKING

Reserved lot parking is available to students. Parking permits are sold at the Bookstore and are also available online at www.lethbridgecollegebookstore.ca. Rates are available for daily, monthly, term and annual passes. All parking on campus is subject to City of Lethbridge bylaws and Lethbridge College policies. Violations may result in tickets or Lethbridge College Parking Services invoices being issued or towing.

Services for Learners Continued

PRINTING

Students are responsible for printing on campus. The printing cost is 10¢ per page for a standard black & white 8.5" x 11" copy (subject to change). To add to your printing account, visit the kiosk outside the Students' Association office, the IB Commons, or Financial Services. **This excludes printing from our on-campus printer - GRENVILLE the Copy Store.**

PUBLIC TRANSPORTATION

L.A. Transit is the provider of public transportation for the City of Lethbridge. Lethbridge College serves as a 'mini-terminal' for L.A. Transit with several routes arriving and departing simultaneously. Weekend and evening service is also provided.

Transit route and schedule information is provided in the Transit Ride Guide, which is available at the Students' Association office. Bus tickets and monthly passes are also available at the Students' Association office. Further information is available by calling L.A. Transit at 403.320.3885 or online at www.lethbridge.ca/transit.

STUDENT ID CARD

You can get your Student ID card by visiting the front circulation desk in the Buchanan Library in CE1340. Your Student ID card is used for:

- Borrowing library materials
- Access to classrooms/computer labs
- Photo identification at on and off campus locations
- Access to Student Association activities
- Access to campus recreation and physical activity services
- Discounts with local merchants
- Special rates for the L.A. Transit system

Student ID cards must be updated every term.

Students registered at Lethbridge College regional campuses or taking an Online Learning course receive a Student ID card in the mail.

POLICIES

Policies are a guide to organizational operation and behavior. Members of the Lethbridge College community are governed by policies that are consistent with College values. It is the responsibility of students to be aware of, and comply with, all relevant policies. Full policy information is available on our website: <http://www.lethbridgecollege.ca/about-us/policies-procedures>. The majority of policies relevant to students are listed under the categories - Academic Programming & Instructional and Student Services & Support. Other relevant policies such as Parking & Traffic Management are included in the additional categories. If you have any questions, send us an email at policy@lethbridgecollege.ca.



Services for First Nations, Métis, and Inuit (FNMI) Learners

FNMI Services provides a “Circle of Services” to assist our FNMI learners be successful in their journey of pursuing a post-secondary education. Beyond our warm welcome, we provide:

FNMI Recruiter

The Lethbridge College Recruitment Office provides tours and school visits to interested prospective and current students. Our FNMI Recruiter visits high schools, community events, career fairs and/or employment agencies to help support and encourage FNMI learners to be successful in attaining a post-secondary education. Lethbridge College FNMI Support Services and Program presentations are available upon request.

For further information, contact: Recruitment Office at 1.800.572.0103, Ext. 3322 or 403.320.3322. fnmi@lethbridgecollege.ca

Coordinator, FNMI Services

Located in the FNMI Services and Student Lounge (AN1501), the Coordinator, FNMI Services provides support and assistance to FNMI learners, works closely with college faculty and staff, and facilitates open and respectful communication between FNMI learners and college departments and divisions so that FNMI learners' needs are best served. The Coordinator, FNMI Services is responsible for providing FNMI students with referrals to student support services both on and off-campus, as well as enhancing the student experience through cultural support, events and activities.

For further information, contact: Coordinator, FNMI Services at 1.800.572.0103 or 403.320.3202, Ext. 5731. fnmi@lethbridgecollege.ca

Academic Advisor, FNMI Focus

The Academic Advisor, FNMI Focus provides academic advising geared towards FNMI learners. Through facilitated information sessions, the Academic Advisor, FNMI Focus assists prospective students explore programs, admission requirements, services and FNMI support offered by Lethbridge College.

The Academic Advisor, FNMI Focus also provides one-on-one academic advising appointments to help current learners with accessing services and support, course registration, funding and university transfer opportunities.

For further information, contact: Academic Advisor, FNMI Focus at 1.800.572.0103 or 403.320.3202, Ext. 5359. fnmi@lethbridgecollege.ca

FNMI Cultural Support Program

The FNMI Cultural Support program provides students with access to community Elders, spiritual advisors, leaders and role models. Elders and spiritual advisors make regularly scheduled visits to the campus and are also available to meet individually with students. Through this program, students have an opportunity to interact with Elders and benefit from their support, traditional knowledge and guidance.

FNMI Student Lounge • Andrews Building 1501 (AN1501)

The FNMI student lounge is the home of the FNMI Student Advisor and serves as an information and connection point for FNMI learners, staff, and Elders. The lounge is open throughout the academic year and provides a place to connect with other students for group study, friendship, and general support. The lounge also offers plenty of seating, coffee, kitchen amenities, and computer workstations.

For further information on Services for FNMI learners, contact: Manager, FNMI & Recruitment Services at 1.800.572.0103 or 403.320.3202, Ext. 3242 fnmi@lethbridgecollege.ca

Services for International Learners

International Services • Phone: 403.320.3202 Ext. 5532 • Email: international@lethbridgecollege.ca

Welcome to Lethbridge College

We are pleased that you have chosen Lethbridge College to pursue your academic goals. Students from over 55 countries have chosen Lethbridge College because of the affordable, safe, and high-quality environment in which to study and learn. Whatever your aspirations, Lethbridge College has the faculty, staff, and facilities to help you achieve your goals.

We realize that moving to a new country and attending a new college will involve many adjustments. Lethbridge College offers many supports for students to help them with this transition to college life. We have services for students related to academic, social, mental, and emotional needs.

International Services

Immigration:

General information regarding study permits, visas, work permits, study permit extensions.
For detailed information, please visit the Canada Immigration website at www.cic.gc.ca.

Academic Advising:

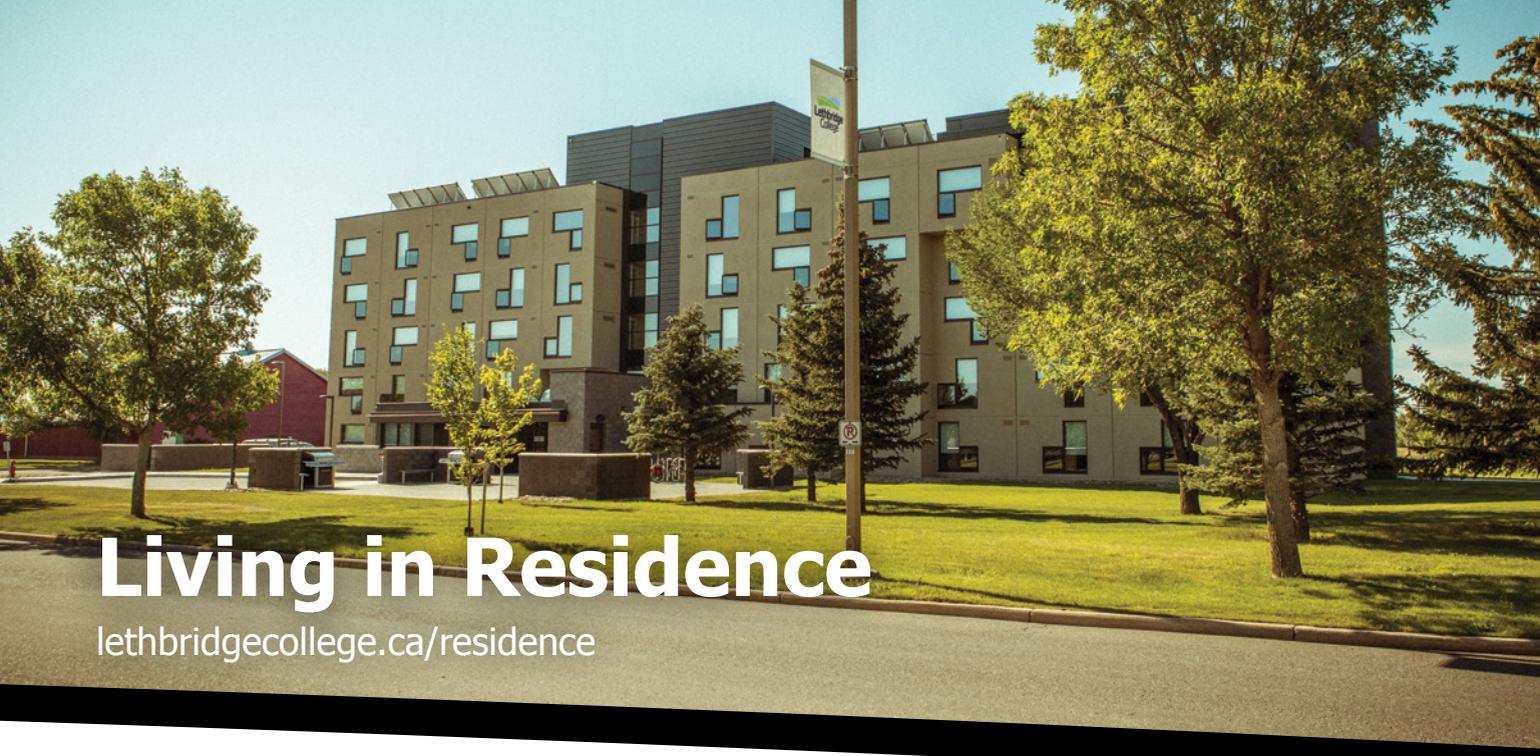
Advisors are available for international students who have questions related to their educational experience. Our advisors can work with you to help you make informed decisions about your education. Our Academic Advising office is located across from the bookstore, in PA1130.

Social Insurance Number information, health care information, and non-academic information can be found on our International Student page on the Lethbridge College website: lethbridgecollege.ca/international.

We also organize an International Student Welcome at the beginning of the fall and winter terms. This is a great way to connect with other students and get to know more about what Lethbridge College has to offer new students! There are fun social activities planned throughout the year as well!

For information regarding Lethbridge College programs, application and admissions questions, please go to lethbridgecollege.ca/international.





Living in Residence

lethbridgecollege.ca/residence

Lethbridge College Residence Life provides a warm, welcoming and convenient home away from home for 549 learners annually. Living in residence at Lethbridge College also provides students opportunities to engage in Residence Life programming throughout the year. Programming includes events and activities on campus and in the community which helps students make connections with other students, their community and to fully enjoy their experience while living on campus.

We have a variety of residence types, including single suites, four-bedroom townhouses, two-bedroom suites, and family units. Some of our two-bedroom and single suites are specially equipped for learners with physical disabilities. Every residence has an assigned Resident Assistant who promotes community through various events. RAs on duty are on call after office hours and on weekends to assist residents with problems or emergencies. Also available are coin-operated laundry facilities in all three residence areas. If you have a vehicle, parking passes can be purchased at the bookstore.

Residence rooms are offered only to students who have been accepted into a program at Lethbridge College, based on the order applications are received.

Cullen Residence, Townhouse

Thirty-four townhouses provide many advantages for those students wanting affordable on-campus accommodation. Each townhouse is completely furnished, has three levels, four bedrooms, two bathrooms, a dining room, kitchen and living room and a basement for storage. Within the Cullen townhouse there are three single bedrooms (approximately 102 square feet) and one super single bedroom (approximately 140 square feet). Unlike the other single rooms in shared accommodations, the super single bedroom has a queen sized bed.

Cullen Residence, Two Bedroom Suites • Forty-four suites are furnished, have two bedrooms (approximately 102 square feet), a bathroom, a kitchen and living room.

Cullen Family Unit • Eight units (approximately 441 square feet) accommodate learners with families. Each unit is fully furnished, has two bedrooms, a bathroom, dining room, a kitchen and living room and a shared basement for storage.

30th Avenue Residence, Townhouse

The 30th Avenue Residences provide housing to 208 students in cottage-style units. Each furnished suite has four bedrooms (approximately 116 square feet): two upstairs bedrooms and a bathroom and two downstairs bedrooms and a bathroom. Common areas include a living room, kitchen, and a crawl space for storage.

Kodiak House • Lethbridge College's newest residence building features 94 single suites that match sustainable design with student comfort. Each suite has a private bathroom, and is furnished with a queen bed, desk, and wardrobe. A microwave, fridge and hot plate is supplied within the kitchen.

An additional fifteen suites are wheelchair accessible and barrier free. These suites feature single beds, wider doorways, lowered shelving, open sinks, lower windows, and larger bathrooms with grab bars.

For more information on our services and accommodations, to view floor plans, to view current residence rates, and to apply, visit: lethbridgecollege.ca/residence or contact 403.329.7218 or 1.800.572.0103 (ext. 7218) res.life@lethbridgecollege.ca

Scholarships and Awards

You should be aware that there are many scholarship and award opportunities available to you through Lethbridge College, as well as other organizations, that may make a significant contribution to your endeavours.

Due to the generous support of numerous community, business and individual donors, Lethbridge College provides almost 500 awards in addition to provincial awards. Awards are available to entering, continuing and graduating students.

The awards application is open on the Lethbridge College website from March 1 to May 1 for continuing students and from March 1 to July 1 for new and entrance students

Though many continuing and graduate awards do not require an application, there are many that do. You may also view our awards anytime by visiting the Lethbridge College website and select Entrance Awards tab if you are entering a new program or if you began your program in the January term, or General and Program Awards if you are continuing within your current program of studies. Choose Graduating Awards if you are about to graduate.

Awards are not limited to academic achievement. Many other qualities and circumstances are considered; community involvement, leadership, group membership, high school attended, financial need, and other factors may make you eligible for awards.

Call toll-free 1.800.572.0103 extension 3372, or 403.320.3372 or e-mail awards@lethbridgecollege.ca if you require further information.

There are so many 'external' awards that we cannot maintain a comprehensive list, but we do offer a number of links under 'External Awards' and we recommend a website that covers a number of options: www.yconic.com.

Lethbridge College reserves the right to add, delete or revise awards where required.



Mobile Learning

Lethbridge College is focused on enhancing students' learning experiences through technology so they have greater capacity for success as learners, future employees and members of the community. In programs requiring students to use personal mobile devices (i.e. laptop, tablet), the devices must meet or exceed the hardware requirements set by the programs. In some instances, the devices must be purchased from Lethbridge College.

Please see www.lethbridgecollege.ca/mobilelearning for specific technology requirements for your program.

The following programs require you to purchase a mobile learning device from Lethbridge College:

- Civil Engineering Technology
- Engineering Design and Drafting Technology
- Geomatics Engineering Technology
- Interior Design Technology
- Digital Communications and Media

The following programs require you to purchase your own device with minimum specifications:

- Administrative Office Professional
- Multimedia Production
- Wind Turbine Technician

If you are not required to use a mobile learning device for your program but are planning to purchase one to facilitate your learning, please see www.lethbridgecollege.ca/mobilelearning for recommended options.





Tailor our programs to meet your needs through part-time learning and Online Learning options.

Online Learning

Some call it online learning, others distributed learning, and still others blended or hybrid learning; we call it a flexible, accessible and personalized way for our students to access our programs and courses.

At Lethbridge College, you'll find most of our programs have an online element. Some are offered exclusively online, others offer a mix of classroom and online learning (blended), while others are strictly classroom-based. Online learning is great for those who live outside of Lethbridge, but it's also convenient if you require flexibility in your daily schedule.

Through our flexible course offerings, you can:

- earn College credits without coming on campus;
- choose courses and timelines that suit your goals;
- complete a College program while working;
- take courses which complement on-campus courses.

APPLICATION PROCESS

Online Learning students apply to a College program following the admission procedures outlined in this calendar. You should apply early. Another option is to register as an Open Studies student which enables you to register in credit courses without applying to a designated program of study. Open Studies students may only enroll as part-time students. If a student requires full-time status, they must apply to a Lethbridge College program.

DELIVERY METHODS

Online Learning courses at Lethbridge College are offered in one of two different formats. Visit the online Academic Timetable to find out if a course is blended or online.

Online - The entire course is delivered in an online format. This means that all the course content is available online. You are expected to communicate with the instructor and other students in the class via e-mail, class discussions, and group chats. You will also submit assignments electronically. Courses may use a variety of interactive, online activities and resources.

Blended - A course delivered in a blended format combines the face-to-face and online environments. The amount of time in each environment varies in each course.

COURSE REGISTRATION

Registrations for Online Learning are accepted at any time of the year; however, you will be assigned a specific term to complete the course (January to April or May to August or September to December). For specific term course offerings refer to the online Academic Timetable or contact the Program Chair. New students should contact their Program Chair for course advisement. If you have been admitted to a program, you will be able to register online using WebAdvisor.

COURSE MATERIALS

Course textbooks and materials, if applicable, are available through the Lethbridge College Bookstore. If you are registered in an online course, you will access your course materials online at www.lconline.ca.

INSTRUCTORS

An instructor is assigned for each course and will connect directly with you to facilitate the course, receive and grade assignments and to answer any questions.

EXAM PROCESS

Exams are taken online, on campus, or at an approved testing location if you live outside of the Lethbridge area. Exam procedures will vary among courses and not all courses have an exam component. You will need to make arrangements to write exams through the following methods:

Lethbridge and area - Call Testing Services at 403.320.3368 to book an appointment at least one (1) business day prior to the date you wish to write. If you are writing an online exam, we will assist you with accessing the exam when you arrive.

Outside of Lethbridge area - Complete the 'Request for Online/eCampus Examination Form' within your online course, or on the Testing Services web page. Please follow the Guide for Off-Campus Exam Invigilation when selecting a proctor. The completed exam request form can be sent to Testing Services by fax or e-mail.

Off-campus exams must be requested a minimum of 3-5 business days prior to the exam deadline in order to be received and processed.

Any fees for service by the off-site test proctor are the student's responsibility.

Contact information for Testing Services:
Location: AN1602 (main campus)
Phone: 403.320.3368
Fax: 1.888.883.5839
testing.services@lethbridgecollege.ca

ONLINE LEARNING SUPPORTS

Students learning in an online environment have access to certain learning supports through the Learning Café. Academic support for skills such as writing and research, APA documentation, and study skills can be arranged by emailing learningcafe@lethbridgecollege.ca or by calling 403.382.6952. In addition, students have 24/7 access to a variety of online learning resources, including online writing feedback support through the eLearning Café, www.lethbridgecollege.net/elearningcafe and writing and math tutoring through eTutor Alberta, <http://etutoralberta.ca/services>. eTutor Alberta is a collaborative online tutoring service provided by Alberta's publicly-funded post-secondary institutions and currently offers professional tutoring support in writing and mathematics.

FEES

To view fee information for your program, please go to lethbridgecollege.ca/programs and select your program.

For more information, call the Registrar's Office at 403.320.3323 or toll free at 1.800.572.0103 ext. 3323.

Consulting with the Program Chair or an Advisor is important to ensure the best course selection for your career goals. Please refer to the online Academic Timetable for specific and accurate semester offerings and delivery options.

PROGRAMS OFFERING COURSES THROUGH ONLINE LEARNING

Please refer to program pages to determine which specific courses are offered. New courses are added each semester as they become available.

Online Learning Continued

School of Agriculture

- Agriculture Business Risk Management
- Agriculture Sciences
 - Animal Science Major
 - Plant and Soil Science Major

School of Business

- Business Administration
 - Accounting Major
 - General Business Major
 - Management Major
 - Marketing Major
- Computer Information Technology

School of Developmental Education

- College and University Preparation

School of Environmental Sciences

- Conservation Enforcement - Bachelor of Applied Science

School of Allied Health

- Community Health Promotion
- Medical Device Reprocessing
- Unit Clerk Training

School of Health Sciences

- Massage Therapy
- Bachelor of Nursing
- Perioperative Post-Diploma Nursing
- Practical Nursing
- Therapeutic Recreation - Gerontology (complete program available)

School of Human Services

- Child and Youth Care
- Early Childhood Education (complete program available)
- Educational Assistant (complete program available)
- Correctional Studies (complete program available)
- Justice Studies - Bachelor of Applied Arts (complete program available)
- Criminal Justice – Policing (complete program available)

School of Liberal Arts & Life Sciences

- Exercise Science
- General Studies Diploma
 - Liberal Arts Majors*
 - Canadian Studies
 - Cultural Studies
 - English
 - Physical Education and Leadership
 - Psychology and Sociology
- General Studies, FNMI Career Pathways

School of Media & Design

- Interior Design Technology

School of Public Safety

- Commercial Vehicle Enforcement

POLICIES

Policies are a guide to organizational operation and behavior. Members of the Lethbridge College community are governed by policies that are consistent with College values. It is the responsibility of students to be aware of, and comply with, all relevant policies. Full policy information is available on our website: <http://www.lethbridgecollege.ca/about-us/policies-procedures>. The majority of policies relevant to students are listed under the categories - Academic Programming & Instructional and Student Services & Support. Other relevant policies such as Parking & Traffic Management are included in the additional categories. If you have any questions, send us an email at policy@lethbridgecollege.ca.



Check out our campuses:

- Claresholm
- Pincher Creek
- Vulcan County

Lethbridge College Regional Campuses

As Lethbridge and region's only comprehensive community college, Lethbridge College is committed to and serves a geographical region that extends south from Nanton and Vulcan to the US border, east to include the communities of Taber, Vauxhall and Milk River, and west to the BC border.

As a regional steward, we partner with numerous community organizations across our region to offer a range of locally-delivered services. Regional campuses in Claresholm, Vulcan County, and Pincher Creek provide additional access to a variety of programming and learner support services.

Regional Stewardship
Phone: 403-320-3202 ext. 5318
Email: regional.stewardship@lethbridgecollege.ca

Learner Support Services

Adult learners can access the following learning support services to enhance their success at any of our three regional campuses:

- Information regarding academic upgrading and post-secondary education programs available through Lethbridge College and other educational institutions.
- Testing services, including exam supervision and test administration. Individuals, groups, and professional associations can arrange to write tests at our regional campuses for purposes such as admission/placement, accreditation, certification or qualification.
- Access to and assistance with completing Lethbridge College forms, such as admissions and funding applications.
- Referrals to various departments within Lethbridge College for counseling, advising, and access to specialized services.
- Access to our eLearning Café and other learning assistance resources.

Claresholm Campus

The Claresholm campus is equipped with classrooms, computer stations, and a video conference suite. Learners may utilize the computers to access a variety of learner services and programs that are available online. The video conference suite provides an enhanced opportunity to access programs in Claresholm. It allows learners from multiple locations to simultaneously link together to participate in learning activities like post-secondary courses and continuing education programming. At times, face-to-face instruction and labs complement the use of technology to create blended learning opportunities.

5202 5th Street East, Claresholm
Phone: 403-625-4231
Email: claresholm@lethbridgecollege.ca
www.lethbridgecollege.ca/claresholm-campus

Vulcan County Campus and Pincher Creek Campus

Our Vulcan County and Pincher Creek campuses are managed collaboratively by Lethbridge College and local community partners. The college and its partners work together to establish programming and services that are provided directly to the community through multiple locations such as libraries, schools, and other local facilities. A variety of programs and courses are accessible through these collaborative campuses, whether through face-to-face instruction or via one of our flexible learning options such as online learning or video conferencing.

Vulcan County Campus

Phone: 403-485-1488
Email: vulcancounty@lethbridgecollege.ca
www.lethbridgecollege.ca/vulcan-county-campus

Pincher Creek Campus

Phone: 403-563-7041
Email: pinchercreek@lethbridgecollege.ca
www.lethbridgecollege.ca/pincher-creek-campus

Lethbridge College Programs



With more than 50 career-training programs, applied degrees and apprenticeships to choose from, you're sure to find one that matches your view of the future.

Administrative Office Professional

Program Office: 403.320.3213 • office@lethbridgecollege.ca

Office of the Chair: 403.320.3202 Ext. 5375

Office of the Dean: 403.320.3318

PROGRAM OVERVIEW

Today's business workplaces rely on skilled individuals to ensure that administrative tasks are handled efficiently and effectively, using current business technology. The Administrative Office Professional program prepares students for professional careers in various offices.

Administrative professionals could be working for small businesses, large corporations, not-for-profit or government departments. They coordinate office services and procedures such as the supervision, maintenance and control of the flow of work and programs, personnel, budgeting and records. The career possibilities for an administrative professional are endless.

Administrative office professionals must have excellent computer, communication, problem-solving and decision-making skills. The Administrative Office Professional certificate program will help you develop these critical skills. Our hands-on courses will give you a practical understanding of topics ranging from accounting/bookkeeping, office procedures and word processing to records management, document processing and desktop publishing. You learn how to use industry-standard software including word processing and spreadsheets. Your small classes will incorporate group work and simulate a real office environment. With close to 100 percent of our graduates finding employment, the choices are plentiful, the work is important and the opportunities are yours.

CAREER OPPORTUNITIES

Our graduates enjoy close to a 100 percent employment rate! You can look forward to work in a wide range of office environments including:

- Legal Offices
- Medical Offices
- Financial Offices
- Educational Offices
- Government Offices
- Commercial Offices
- Receptionist
- Office Assistant
- Administrative Assistant
- Data Entry Specialist
- Executive Secretary
- Bookkeeper

ADMISSIONS

New students are accepted into the Administrative Office Professional program in the Fall (September) term. Students wishing to enroll for the Winter (January) term may take courses in a revised curriculum based on course availability. Students admitted in Winter will be able to complete the program within three (3) terms.

GENERAL ADMISSION REQUIREMENTS

All applicants must meet the general admission requirements for Lethbridge College programs, as indicated in the Admission section of this calendar.

YOUR INVESTMENT

Program fees will vary. To view fee information for your program, go to lethbridgecollege.ca/programs and select your program.

MOBILE LEARNING PROGRAM

This is a Mobile Learning Program that requires students to supply their own device with required minimum specifications. Go to www.lethbridgecollege.ca/mobilelearning for additional information.

CURRICULUM

		Learning Credits
Year 1 Term I		
ACC 1146	Bookkeeping	3
BUS 1185	Business Computer Applications	1.5
ENG 1133	English Fundamentals	3
KEY 1140	Document Processing	3
KEY 1144	Keyboard Speed Development	1.5
ORG 1148	Office Dynamics	3
		15
Year 1 Term II		
AOP 1142	Office Procedures	3
AOP 1145	Meeting and Conference Planning	3
AOP 1148	Records Management	1.5
CPU 1165	Designing Spreadsheet Applications	3
CPU 2254	Basic Desktop Publishing	3
ENG 1168	Business Communication *	3
		16.5

* The combination of ENG 1156 and PRS 1155 is considered an acceptable alternative for ENG 1168.

GRADUATION

Upon successful completion of all program requirements, students are awarded an Administrative Office Professional certificate.

TRANSFERS

Medicine Hat College

Graduates of the Administrative Office Professional certificate are eligible for admission into Year 2 of Medicine Hat College's Administration Office Management diploma program.

Southern Alberta Institute of Technology (SAIT)

Graduates of the Administrative Office Professional certificate are eligible to enter Year 2 of the Administrative Information Management (AIM) diploma, provided they complete three additional courses and meet competitive admission and selection requirements at the time of application.

School of Business

Find out more about other programs offered in this school:

- Business Administrationp. 52
- Computer Information Technologyp.65

lethbridgecollege.ca/programs

Agricultural and Heavy Equipment Technician

Program Office: 403.320.3411 • tradeslc@lethbridgecollege.ca

Office of the Chair: 403.394.7348

Office of the Dean: 403.320.3318

PROGRAM OVERVIEW

Do you enjoy working with machines and equipment? Our practical, one-year (32-week) Agricultural and Heavy Equipment Technician Certificate program will give you the foundation you need to build a successful career in agricultural and/or heavy-duty diesel equipment repair.

Upon successful completion of the Agricultural and Heavy Equipment Technician program, you can enter the Alberta Apprenticeship program with an advanced standing toward the completion of their apprenticeship training. Apprenticeship exams can be written for both the first and second years of Agricultural Equipment Technician and the first and second years of Heavy Equipment Technician upon successful completion of the program. You will receive 300 hours credit towards experience for each of the first and second years of Agricultural Equipment Technician or the first and second years of Heavy Equipment Technician.

Working in small classes, you'll develop your understanding of power trains, steering, suspension, brakes, diesel engines, fuel systems, electrical systems and mobile hydraulics, as well as farm and industrial equipment through theory and lots of hands-on experience. One week of the program will be completed at an Agricultural or Heavy Equipment repair facility where you'll work directly with journeyman technicians.

Our modern shop facilities have the latest in diagnostic technologies and tools. And, you'll test your skills working on a wide range of on- and off-road vehicles and farm equipment. Move ahead in industry today by obtaining a Lethbridge College certificate in the Agricultural and Heavy Equipment Technician program.

CAREER OPPORTUNITIES

Your Agricultural and Heavy Equipment Technician Certificate will prepare you to begin a career in many diverse fields, including:

- Service Manager/Shop Foreman
- Parts Technician
- Farming and Ranching Service
- Heavy Equipment Service
- Agricultural Equipment Service
- Mobile Repair Service
- Oilfield Equipment Service
- Mining Equipment Service
- Forestry Equipment Service
- Construction Equipment Service
- Manufacturing Equipment Service
- Trucking Equipment Service
- Journeyman Heavy Equipment Technician
- Journeyman Agricultural Equipment Technician

ADMISSIONS

New students are accepted into the Agricultural and Heavy Equipment Technician program for the Fall (September) term with a late August program start date.

GENERAL ADMISSION REQUIREMENTS

All applicants must meet the general admission requirements for Lethbridge College programs, as indicated in the Admission section of this calendar.

ACADEMIC REQUIREMENTS

Applicants to this program do not require a high school diploma; however, they must satisfy the following specific course requirements (or equivalencies):

- Grade 11 English
- Grade 11 math

The following courses or subjects are recommended for the best possible outcome in the Agricultural and Heavy Equipment Technician program:

- Physics, Chemistry and Science
- Grade 12 Math and English

YOUR INVESTMENT

Program fees will vary. To view the fee information for your program, go to lethbridgecollege.ca/programs and select your program.

Students will require a basic set of hand tools as listed on the program website. An electrical test meter (DVOM) will be required for the second term.

CURRICULUM

Year I Term I		Learning Credits
AHM 1126	Safety and Hand Skills	3
AHM 1127	Power Trains	6
AHM 1124	Suspension and Brakes	6
AHM 1129	Farm and Industrial Equipment	3
		18
Year I Term II		
AHM 1131	Diesel Engines	6
AHM 1132	Diesel Fuel Systems	6
AHM 1130	Electrical and Electronics	6
AHM 1135	Mobile Hydraulics	3
		21

GRADUATION

Upon successful completion of all program requirements, students are awarded a certificate in Agricultural & Heavy Equipment Technician.

Crook's School of Transportation

Find out more about other programs offered in this school:

- Agricultural Equipment Technician Apprenticeshipp.41
- Automotive Systemsp.46
- Automotive Service Technician Apprenticeshipp.41
- Heavy Equipment Technician Apprenticeshipp.43
- Parts Technician Apprenticeshipp.43

lethbridgecollege.ca/programs

Agriculture Business Risk Management

(Available Online Delivery Only)

Program Office: 403.382.6991

Office of the Program Chair: 403.320.3311

PROGRAM OVERVIEW

Developed in collaboration with industry experts, Agriculture Business Risk Management (AgBRM) is the practice of identifying, analyzing and managing the various potential risks and opportunities to achieve the goals of a business. This program is designed specifically for application in agricultural business (beef, pork, grain, oilseeds) with a strong focus on commodity and risk management essential to entrepreneurs. The focus of the program is on financial risk and topics associated with financial risk.

ADMISSIONS

New students are accepted into the Agriculture Business Risk Management program on a monthly basis.

GENERAL ADMISSION REQUIREMENTS

All applicants must meet the general admission requirements for Lethbridge College programs, as indicated in the Admission section of this calendar.

YOUR INVESTMENT

Program fees will vary. To view fee information for your program, go to lethbridgecollege.ca/programs and select your program.

CURRICULUM

Courses are delivered in a modular format, with two or four modules to each course. Each module in a course is one month in length. Students start a module at the beginning of a month and should complete it by the end of the month.

With the exception of capstone courses AGB-1190 (Market Equity) and AGB-1191 (Successful Planning in Agribusiness) which are not offered in modular format, students can complete any module of any course in any order. However, credit will not be granted for a course until all modules of the course have been completed. It is recommended that students complete course modules in chronological order.

Prior Learning Assessments for modules or courses must be submitted in the months of September, January or May.

	Learning Credits		
		AGB-1164 Commodity Market Fundamentals	3
		Modules:	
		AGB-1164 M-1	
		Supply and Demand (0.75 cr)	
		AGB-1164 M-2	
		Market Pricing (0.75 cr)	
		AGB-1164 M-3	
		Market Pricing – Pork (0.75 cr)	
		AGB-1164 M-4	
		Market Pricing – Grains and Oilseeds (0.75 cr)	
		AGB-1171 Market Tools	3
		Modules:	
		AGB-1171 M-1	
		Apply Market Tools (0.75 cr)	
		AGB-1171 M-2	
		Technical Indicators (0.75 cr)	
		AGB-1171 M-3	
		Analyzing Market Data (0.75 cr)	
		AGB-1171 M-4	
		Making Market Decisions (0.75 cr)	
		AGB-1172 Risk Tolerance and Risk Policy	3
		Modules:	
		AGB-1172 M-1	
		Risk Tolerance (0.75 cr)	
		AGB-1172 M-2	
		Risk Exposure (0.75 cr)	
		AGB-1172 M-3	
		Quantifying Risk (0.75 cr)	
		AGB-1172 M-4	
		Risk Policy (0.75 cr)	
		AGB-1190 Market Equity	3
		AGB-1191 Successful Planning in Agribusiness	3
		27 Total Program Credits	
		OPTIONAL COURSE:	
		AGB-1140 Statistics for Agribusiness	1.5
		Modules:	
		AGB-1140 M-1	
		Collection and Presentation of Data (0.75 cr)	
		AGB-1140 M-2	
		Probability and Probability Distributions (0.75 cr)	

GRADUATION

Upon successful completion of all program requirements, students are awarded a certificate in Agriculture Business Risk Management.

Agriculture Sciences

Program Office: 403.382.6991 • agsciences@lethbridgecollege.ca

Office of the Program Chair: 403.320.3311

Office of the Dean: 403.317.3597

PROGRAM OVERVIEW

Agriculture Sciences provides theoretical and hands-on training for those entering many different career options in agriculture or transferring to degree programs. A wide spectrum of skills required for agriculture are delivered, along with specialized courses relevant to animal and crop production. The program offers two majors: Animal Sciences and Plant and Soil Sciences. The program is approximately 40% practical experience delivered in labs, practicum and field experiences.

CAREER OPPORTUNITIES

Graduates of our Agriculture Sciences program work in a wide variety of settings, including:

- Farming
- Ranching
- Agri-business
- Agri-services
- Agricultural research
- Farm finance

ADMISSIONS

New students are accepted into the Agriculture Sciences program for Fall (September) term.

GENERAL ADMISSION REQUIREMENTS

All applicants must meet the general admission requirements for Lethbridge College programs, as indicated in the Admission section of this calendar.

Applicants are encouraged to have Grade 12 biology and Grade 12 chemistry. Students intending to pursue a university degree are strongly recommended to complete Grade 12 chemistry and Grade 12 math.

YOUR INVESTMENT

Program fees will vary. To view fee information for your program, go to www.lethbridgecollege.ca/programs and select your program.

CURRICULUM

Year I Core Courses

Both majors in the Agriculture Sciences program have a common first year.

However, students must choose their major when applying to the program. Students have the option of switching majors at the end of the first year.

Year 1 Term I Learning Credits

BIO 1175	Animal Science	3
BUS 1166	Business Law	3
ENG 1154	Writing for Technologists (OL)	3
IRR 1152	Introduction to Irrigation	3
PLT 1152	Introduction to Botany	3
RRM 2253	Soil Resources	3
		18

Year 1 Term II

ACC 1170	Financial Accounting I	3
AGR 1164	Agricultural Entomology (OL)	3
AGR 1168	Agriculture Soil Management	3
COM 1158	Leadership Communication Skills	1.5
MKT 1152	Commodity Marketing	3
PLT 1155	Pasture and Forage Production	3
		16.5

MAJORS

Upon completion of Year One, Agriculture Sciences students will focus on studies in their selected major.

PLANT AND SOIL SCIENCES MAJOR

Year 2 Term I Learning Credits

AGR 2250	Agriculture Finance	3
AGR 2256	Precision Agriculture	3
PLT 2260	Special Crops	3
PLT 2261	Weed Identification	3
PLT 2262	Field Crops	3
Elective		3
		18

Year 2 Term II

AGR 2261	Sustainable Agriculture	3
AGR 2266	Soil Fertility	3
IRR 2252	Sprinkler Systems and Irrigation Management	3
PLT 2263	Pesticide Application	3
Elective		3
		15

Plant and Soil Sciences Major Elective Courses

ACC 1175	Financial Accounting II	3
AGB 1150	Effective Communication (OL)	3
AGB 1151	Financial Literacy (OL)	3
AGB 1160	Currency (OL)	3
AGB 1161	Introduction to Market Tools (OL)	3
AGB 1164	Commodity Market Fundamentals (OL)	3
AGB 1171	Market Tools (OL)	3
AGB 1172	Risk Tolerance and Risk Policy (OL)	3
AGR 1152	Agriculture Research Study	3
AGR 1160	Introduction to Aquaponics Principles	3
AGR 2252	Agriculture Research Study	6
AGR 2280	Animal Nutrition	3
AGR 2286	Agricultural Business Management	3
AGR 2287	Monogastric Production	3
AGR 2289	Beef Cattle Production	3
AGR 2291	Ruminant Production	3
AGR 2294	Animal Health	3
BIO 1151	Environmental Issues (OL)	3
BIO 2262	Animal Physiology	3
BUS 1177	Entrepreneurship	3
ECN 1180	Microeconomics	3

Please note: Any course used to fulfill a core requirement cannot be used to fulfill an elective requirement.

Agriculture Sciences Continued

ANIMAL SCIENCE MAJOR

Year 2 Term I Learning Credits

AGR 2250	Agriculture Finance	3
AGR 2280	Animal Nutrition	3
AGR 2287	Monogastric Production	3
AGR 2294	Animal Health	3
PLT 2261	Weed Identification	3
Elective		3
		18

Year 2 Term II

AGR 2261	Sustainable Agriculture	3
AGR 2289	Beef Cattle Production	3
AGR 2291	Ruminant Production	3
BIO 2262	Animal Physiology	3
Elective		3
		15

Animal Science Major Elective Courses

ACC 1175	Financial Accounting II	3
AGB 1150	Effective Communication (OL)	3
AGB 1151	Financial Literacy (OL)	3
AGB 1160	Currency (OL)	3
AGB 1161	Introduction to Market Tools (OL)	3
AGB 1164	Commodity Market Fundamentals (OL)	3
AGB 1171	Market Tools (OL)	3
AGB 1172	Risk Tolerance and Risk Policy (OL)	3
AGR 1152	Agriculture Research Study	3
AGR 1160	Introduction to Aquaponics Principles	3
AGR 2252	Agriculture Research Study	6
AGR 2256	Precision Agriculture	3
AGR 2266	Soil Fertility	3
AGR 2286	Agricultural Business Management	3
BIO 1151	Environmental Issues (OL)	3
BUS 1177	Entrepreneurship	3
ECN 1180	Microeconomics	3
IRR 2252	Sprinkler Systems and Irrigation Management	3
PLT 2260	Special Crops	3
PLT 2262	Field Crops	3
PLT 2263	Pesticide Applications	3

Please note: Any course used to fulfill a core requirement cannot be used to fulfill an elective requirement.

(OL) indicates courses which are also available through Online Learning.

GRADUATION

Upon successful completion of all program requirements, students are awarded an Agriculture Sciences Diploma that designates the appropriate major.

TRANSFERS

University of Lethbridge

Graduates of the Agriculture Sciences program who have attained a minimum cumulative GPA of 2.50 are eligible for acceptance into the Post-diploma Degree in Agricultural Studies offered by the University of Lethbridge. Graduates of the Lethbridge College program receive two years' credit toward either a B.Sc. or B.A. degree in Agricultural Studies.

University of Alberta

Graduates of the Agriculture Sciences two-year diploma may receive up to 58 credits toward a Bachelor of Science degree in Agriculture from the University of Alberta. The University of Alberta requires Chemistry 30, Biology 30 and Math 30 Pure for all Agriculture students. Consult the Alberta Transfer Guide for more information.

Athabasca University

Graduates of the Agriculture Sciences two-year diploma may receive 60 credits towards the Bachelor of Science (Post Diploma) degree.

University of Calgary

Graduates of two-year diploma programs will be awarded up to five (5) full junior course options.

NAIT

Graduates of the Agriculture Sciences diploma program with a minimum grade point average of B- or 2.7 on standard grading scales will be conditionally accepted into the BTech (Bachelor of Technology in Technology Management) degree program. Applicants for transfer of credit under this Agreement shall complete all of the requested application procedures of NAIT including, but not limited to, written statement outlining personal objectives, career goals, letters of reference, work experience and community involvement, and such other information as may be requested and used by NAIT to determine whether the applicant complies with the requirements as set out or intended.

School of Agriculture

Find out more about other programs offered in this school:

- Agriculture Business Risk Managementp.38

lethbridgecollege.ca/programs

Apprenticeship Training

Apprentices spend about 80 percent of their time learning on the job from a qualified tradesperson. They spend the remaining 20 percent of their time taking specialized training courses, usually from colleges or technical institutes. There are regular schedules of pay associated with apprenticeship training; Apprenticeship & Industry Training (AIT) provides information on this. Receiving your certified 'journeyman' papers or 'ticket' upon completion of your apprenticeship demonstrates your skill level based on provincial and industry standards. AIT sets the curriculum for each program and regulates the term and conditions of apprenticeship.

The high demand for qualified tradespeople means that job opportunities are abundant! Our facilities are modern and well equipped. You'll use the latest equipment and take classes from instructors with real industry experience. In fact, for the last four years, Lethbridge College instructors have been named the best in the field for southern Alberta by AIT.

At Lethbridge College, we offer apprenticeship training for the following trades:

- Agricultural Equipment Technician
- Automotive Service Technician
- Carpenter
- Cook
- Electrician
- Electrician – Alternate Delivery
- Heavy Equipment Technician
- Parts Technician
- Plumber
- Plumber and Gasfitter (B)
- Welder
- Welder-Wire Process Operator

Apprenticeship programs require 8 to 12 weeks of classroom training each year, in addition to on-the-job training. The Weekly Apprenticeship Training System (WATS) format allows apprentices to take classes once a week during the term of their apprenticeship. At Lethbridge College, the Cook and Parts Technician apprenticeships follow the WATS format. First-to-third year distance program electricians have six months to complete the course and fourth year distance program electricians have nine months.

If you are an apprentice and would like to register for training courses at Lethbridge College, please contact:
Tel. 403.320.3323
Fax 1.888.819.9803
Toll-Free 1.800.572.0103

To arrange a tour, call 403.320.3322 or toll-free 1.800.572.0103.

If you would like to become an apprentice, visit: The Alberta Apprenticeship and Industry Training Board
www.tradesecrets.alberta.ca
Contact information is available at the following link: <http://www.tradesecrets.alberta.ca/contactait/>.

Local Apprenticeship Office:
Alberta Apprenticeship and Industry Training Board
Provincial Building, Room 280
200 - 5th Avenue South
Lethbridge, AB T1J 4C7

Telephone: 403.381.5380
Fax: 403.381.5795
Career Information Hotline: 1.800.661.3753

Ask about the Alberta Apprenticeship Scholarship Program. You might discover you're eligible for a financial award!

AGRICULTURAL EQUIPMENT TECHNICIAN

Chair: 403.394.7348
tradeslc@lethbridgecollege.ca

Lethbridge College offers the Agricultural Equipment Technician program to indentured apprentices.

If you are looking for a future in agriculture and enjoy working with your hands to diagnose electrical, mechanical, and hydraulic problems, Lethbridge College's Agricultural Equipment Technician program is the perfect fit. You'll learn to maintain, diagnose problems and repair or overhaul equipment such as tractors and harvesting equipment.

To be successful in the industry, you'll put many of your skills to use such as strength to lift heavy machine parts, flexibility in working hours, some experience in the agriculture industry, and your math, communication and computer skills.

When you're working in the industry, you could find yourself travelling to farms for service calls or working in service centres. Take your agriculture and mechanical skills to another level with the Agricultural Equipment Technician Apprenticeship.

AUTOMOTIVE SERVICE TECHNICIAN
Chair: 403.394.7348
tradeslc@lethbridgecollege.ca

Lethbridge College offers the Automotive Service Technician program to indentured apprentices.

North Americans love their cars and when their favorite vehicle needs attention, they want to turn to someone they can trust to provide the service they need. That's where you come in.

As an Automotive Service Technician, you can provide preventative maintenance, diagnose faulty systems, and repair automotive vehicles and light trucks. You can diagnose and repair engines, steering systems, braking systems, drive trains, vehicle suspensions, electrical and air-conditioning systems. You'll even make sure the ride stays smooth through wheel-balancing and alignment when needed.

The direction you choose to follow for your career could see you working in a large shop, specializing in repairing, rebuilding and servicing specific parts, like braking, suspension or steering systems. In smaller shops, Automotive Service Technicians may work on a wider variety of repair jobs, beginning by reading the work order and examining the vehicle.

It's the type of career that can be particularly rewarding if you enjoy doing precise work that is varied and challenging.

You'll train in small classes with lots of hands-on practice. You'll also find that our shop facilities have state-of-the-art tools and equipment that you will use to repair a wide variety of vehicles.

Similar Lethbridge College option: Automotive Systems – a 32-week certificate program. For details, please refer to the program information pages.

Apprenticeship Training Continued

CARPENTER

Chair: 403.320.3366
tradeslc@lethbridgecollege.ca

Lethbridge College offers the Carpentry program to indentured apprentices through CBAT delivery.

From major construction projects like bridges and buildings to small finishing touches a new homeowner can be proud of, carpenters have a wide range of career options available. You can put your skills and knowledge to use providing a service that continues to be in strong demand.

Keep your personal interests in mind as you set your goals as a carpenter. Your ability to read plans, select and measure materials, and coordinate projects can help ensure costly mistakes and omissions are avoided on the job site. Attention to detail will keep things from falling through the cracks. You can look forward to pursuing a range of opportunities or specializing in one type of work such as framing, concrete work or finishing work. You could work alone, in teams or with helpers. Whatever direction you take, you'll find the work rewarding if you take pride in creating a variety of things with your hands and honing your expertise in woodcraft.

At Lethbridge College, we'll provide you with the high-quality training you want as part of your Carpenter apprenticeship. You'll relate well to our instructors as they share their practical experiences with you. You'll also appreciate our shops, which will give you access to the equipment and experience you need to succeed in your chosen field.

COOK (WEEKLY APPRENTICESHIP TRAINING SYSTEM - WATS)

Chair: 403.320.3224
culinary@lethbridgecollege.ca

Lethbridge College offers the Cooking program to indentured apprentices through WATS delivery.

With the right combination of ingredients, training and skill, you can create magic in the kitchen. Lethbridge College has the recipe for your success with our Cook Apprentice program.

You supply the enthusiasm and desire to achieve, and we'll supply the experience you need to keep your apprenticeship on the right track.

As a Cook Apprentice you will learn through observation, practice and study. With the Weekly Apprenticeship Training System (WATS) at Lethbridge College, the training takes place with your needs in mind. One day a week is spent at the College gaining the technical training vital to your culinary future. For the rest of the week you will be putting what you've learned to practical experience on the job. It's the perfect blend that allows you to pursue your education while continuing to earn an income.

From catering special banquets to preparing meals for large institutions to cooking up gourmet delights in an upscale restaurant, your Cook Apprentice training will prepare you for a host of opportunities. You will also benefit from Lethbridge College's well-deserved culinary reputation. Our instructors have been recognized with everything from provincial to international awards for their skills. Their commitment to their craft is your guarantee of a quality experience at Lethbridge College.

Similar Lethbridge College option: Culinary Careers – a 16-month diploma program with the option to write your WAT I and WAT II exams (for a fee) and move into the 3rd year WATS program to complete your apprenticeship. For details, please refer to the program information pages.

ELECTRICIAN

Chair: 403.320.3366
tradeslc@lethbridgecollege.ca

Lethbridge College offers the Electrician program to indentured apprentices through CBAT or Alternate Delivery.

If you thrive on the opportunity to use your skills in a variety of settings, a career as an electrician could really light up your future. Electricians install, alter, repair and maintain systems designed to provide heat, light, power, control, signal or fire alarms for all types of buildings, structures and premises.

You won't find yourself stuck in an office somewhere as an Electrician. Depending on the direction your career follows, you can expect work conditions to vary with

each job, especially in construction. From working outdoors on scaffolding to indoor jobs in clean comfort, the changes can be dramatic, helping to ensure you won't be bored with your chosen career.

If you enjoy working with people, you could consider specializing in specific types of installations, such as residential (housing developments), commercial (office buildings), institutional (hospitals), or industrial (plants, factories). Being organized and having a friendly, courteous approach is vital to jobs in these areas. Our instructors maintain close ties to industry to stay on top of trends and provide you with the best education for your investment. Classes are limited to a maximum of 16 students which provides for a low student-to-instructor ratio and enhanced learning. Our modern facilities are well-equipped and impeccably maintained.

Lethbridge College offers the electrician program to indentured apprentices through CBAT or Alternate Delivery.

The CBAT delivery method, which is for most apprentices, provides you with a flexible approach to your training. This option offers several advantages, including:

- a combination of lectures, labs and self-study, that lets you work at your own pace;
- flexibility in completion times as students can complete:
 - in less than the required eight or 12 weeks
 - in more than eight or 12 weeks, up to 25 percent extra time if you are having difficulty learning the material;
- students have direct access to instructors on a one-to-one basis at least three hours per day.

Apprenticeship Training Continued

ELECTRICIAN - ALTERNATE DELIVERY Self-Paced Electrician Training

Advantages:

- Work at your own pace
- Students in remote locations minimize time away from home
- Do not need to be away from work for 8 to 12 weeks
- Advisor that may be contacted by phone or e-mail

Entrance Requirements

(Alternate Delivery)

You must be an indentured Electrician Apprentice that has been indentured in the past 18 months or has attended a technical training period in the past 18 months. If you have attended a technical training period, you must have a pass mark of 75 percent or better on your provincial exam.

Time Requirements (Alternate Delivery)

1st, 2nd, and 3rd year students have up to six months to complete the course, and 4th year students have 9 months to complete.

Supply Requirements

(Alternate Delivery)

A computer with a printer, using Internet Explorer 8.0 or higher with Internet access.

How Do I Progress Through the Course? (Alternate Delivery)

Lethbridge College course material that is supplied through the Lethbridge College Bookstore is the primary source of material. At the end of each module, you will be required to write an end of module quiz that you access through the Internet.

These quizzes are used to ensure that you have understood the module material. Throughout the course, you will be required to write supervised exams. These marks will count towards your final mark in the course. You must obtain a 65 percent average in theory, lab, and code to be qualified to write your provincial exam. The site for writing these supervised exams will be at Lethbridge College or a site that is closer to the student's residence which will be arranged at the time of registration. Labs must be completed at Lethbridge College during normal class hours, and must be booked with your advisor.

How Do I Begin? (Alternate Delivery)

Eligible apprentices must first contact the Electrical program at Lethbridge College for an interview (contacts are listed below). Once department approval has been given, you may contact the Registrar's Office to enroll in the program.

You will be contacted by a Coordinator who will supply you with information needed to receive materials and ID numbers.

Contact: electricaldistance@lethbridgecollege.ca or the Program Chair at 403.320.3366

HEAVY EQUIPMENT TECHNICIAN

Chair: 403.394.7348
tradeslc@lethbridgecollege.ca

Lethbridge College offers the Heavy Equipment Technician program to indentured apprentices.

Heavy Equipment Technicians repair, overhaul and maintain heavy equipment for many industries including highway transport, construction, mining, agricultural and oilfield.

If you work with a logical perspective, this could be the career for you. It's a field with strong job prospects now and for the future.

You can expect everything from routine maintenance, to troubleshooting that will challenge your skills and abilities. Heavy Equipment Technicians who are employed by companies with their own fleet will typically follow a preventive maintenance schedule and make any necessary repairs. In dealerships and independent repair shops, you may perform general equipment repairs or specialize in engines, powertrains, hydraulics, electrical and electronics, or air-conditioning.

Your work environment will vary considerably from one job to another. You could find yourself working in a shop performing major repairs, or on a construction site, contributing directly to the success of a specific project. Either way, you'll find it a rewarding experience if you enjoy achieving expertise with precise work, problem-solving and working with your hands.

Similar Lethbridge College option: Agricultural and Heavy Equipment Technician – a one-year certificate program equivalent to the first and second years of apprenticeship training. For details, please refer to the program information pages.

PARTS TECHNICIAN (WEEKLY APPRENTICESHIP TRAINING SYSTEM - WATS)

Chair: 403.394.7348
tradeslc@lethbridgecollege.ca

Lethbridge College offers the Parts Technician program to indentured apprentices through WATS delivery.

Knowing what is what and where it is located in a large warehouse requires a special set of skills that you can acquire as a parts technician. It can be the ideal opportunity for you if you enjoy variety, developing expertise, working with people and participating in your customers' success.

As a parts technician, you'll manage and dispense parts inventories, which may include automotive, heavy duty, farm implement, industrial, recreational vehicle, jobbers, plumbing, electrical and so on.

You may be responsible for handling stock, warehousing, identifying and cataloguing parts and assemblies, as well as ordering, receiving, inspecting, sorting, pricing and selling. It all depends upon the size of the wholesale, retail or warehouse distribution business and the types of parts involved.

If you demonstrate the necessary skills and can work effectively with people, you could look forward to advancing to supervisory positions, such as parts department manager, store manager, or even store owner. With some sales experience, interested parts technicians can move into sales representative positions. Lethbridge College has designed this program specifically with you in mind. We follow the Weekly Apprenticeship Training System (WATS) format.

You will attend classes only one day a week, usually from mid-day to early evening, so your time away from the job will be minimized.

Apprenticeship Training Continued

PLUMBER

PLUMBER and GASFITTER (B)

Chair: 403.320.3366

tradeslc@lethbridgecollege.ca

Lethbridge College offers the Plumber program to indentured apprentices.

Plumbers plan, install and service plumbing systems, fixtures, piping equipment and controls. These piping systems may be used to transport water, waste, gases or hot liquids.

As a plumber, you may specialize in the types of work you do:

- installing water conditioners
- installing plumbing in houses under construction
- installing plumbing in commercial, institutional, industrial or public buildings
- renovating, maintaining and repairing existing plumbing
- installing hydronic heating and chilled water systems

Plumbers are employed by construction contractors, plumbing repair shops and large organizations. Some are self-employed.

WELDER

Chair: 403.320.3366

tradeslc@lethbridgecollege.ca

Lethbridge College offers the Welding program to indentured apprentices.

Turn up the heat on your future and get involved with an apprenticeship that can allow you to build a solid career. Welders are in demand in a variety of capacities.

Welders join or sever metals in beams, girders, vessels, piping and other metal components. You could also be involved in making metal parts used in construction and manufacturing plants, or welding parts, tools, machines and equipment.

Welding usually involves applying heat to metal pieces to melt and fuse them together. How you will actually do this will depend on the project and such things as the type of metal, its size and shape, and requirements for finished product strength. Welders use different processes and fillers depending upon the type of metal, its size and shape, and requirements for finished product strength.

For a typical welding project, they:

- develop patterns for projects or follow directions given in layouts, blueprints and work orders
- clean, check for defects and shape component parts, sometimes using a cutting torch
- weld parts together

Welders may also build up worn parts by welding layers of high-strength hard-metal alloys onto them.

You'll find the work rewarding if you enjoy building things and working with little direction or supervision. To be successful in the trade, welders need manual dexterity, good vision (glasses are acceptable), eye-hand coordination, the ability to concentrate on detailed work, and patience. You should also expect to work in a variety of environments from outdoor construction sites to indoor jobs in production and repair shops.

As a welder, your career can take you to a variety of industries including vessel or structural steel assembly, steel fabrication, heavy equipment repair, pipeline construction, and commercial and industrial construction.

WELDER – WIRE PROCESS OPERATOR

Chair: 403.320.3366

tradeslc@lethbridgecollege.ca

Welder – Wire Process Operators work primarily in production and manufacturing plants, joining components and sub-assemblies to make various items using a variety of construction materials.

Welding in this branch of the welder trade is restricted to Gas Metal Arc Welding (GMAW), Flux Cored Arc Welding (FCAW), Submerged Arc Welding (SAW) and other semiautomatic wire feed welding processes.

The Welder – Wire Process Operator uses different welding processes and filler metals depending upon the type of metal, its size and shape, and requirements for finished mechanical properties.

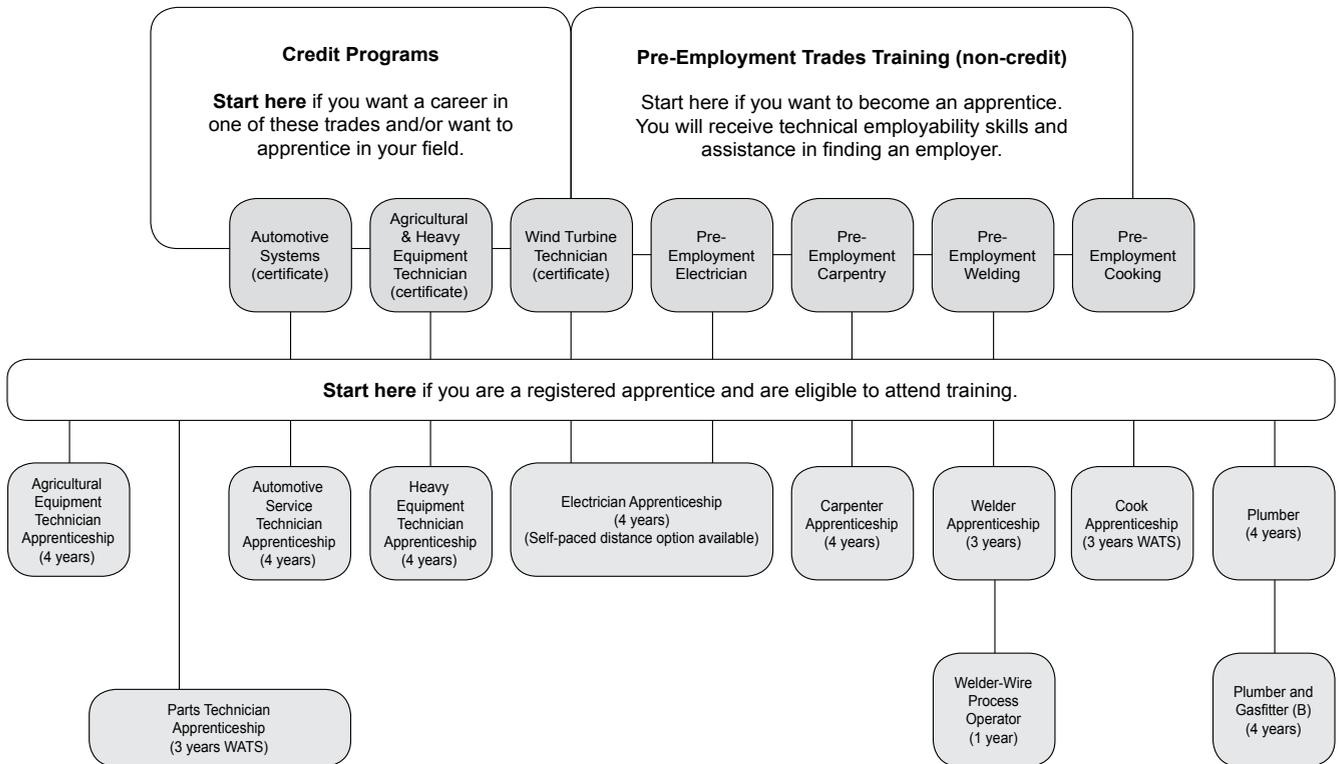
For a typical welding project, they:

- join parts together
- may build up worn parts by welding layers of high-strength hard-metal alloys onto them
- follow directions given in layouts, blueprints and work orders
- clean welds, check for defects and may use a cutting torch

Welder – Wire Process Operators are employed in a variety of industries including manufacturing vessel or structural steel fabrication, general steel fabrication, truck body fabrication and heavy equipment repair.

Build your future in the trades.

Lethbridge College offers a wealth of high-quality trades programming to all learners, regardless of your level of experience in the industry. Whether you are just beginning to explore the trades, are looking to apprentice, or even if you just want to learn a new skill, we can help.



Apprenticeship programs involve 8-12 weeks of classroom training per year.

Weekly Apprenticeship Training System (WATS) programs involve one day of training at Lethbridge College per week throughout the length of the program.

lethbridgecollege.ca/trades

Automotive Systems

Program Office: 403.320.3411 • tradeslc@lethbridgecollege.ca

Office of the Chair: 403.394.7348

Office of the Dean: 403.320.3318

PROGRAM OVERVIEW

At Lethbridge College we have over 45 years' experience teaching high-quality automotive servicing skills. Our practical, one-year program in Automotive Systems has been designed in consultation with members of industry in order to help you build a successful career in automotive service.

Working in small labs with lots of hands-on practice, you'll develop your understanding of automotive technology – from simple components to advanced computerized vehicle systems. Our shop facilities have state-of-the-art tools and equipment that you will use to repair a wide variety of vehicles, including shop units and real customer vehicles. We encourage you to work on your own vehicle in our shop!

At the end of the program, you'll be diagnosing problems and repairing a wide range of vehicles. You'll be familiar with the latest in shop equipment and electronic diagnostic technology and you'll be ready to start a career in automotive service.

CAREER OPPORTUNITIES

- Apprentice Automotive Service Technician
- Journeyman Automotive Service Technician
- Shop Foreman
- Mobile Repair Service Technician
- Automotive Systems Certificate Instructor
- Shop Owner
- Equipment Salesperson
- Service Manager

ADMISSIONS

New students are accepted into the Automotive Systems program for the Fall term only with a late August program start date.

GENERAL ADMISSION REQUIREMENTS

All applicants must meet the general admission requirements for Lethbridge College program, as indicated in the Admission section of this calendar.

ACADEMIC REQUIREMENTS

Applicants to this program do not require a high school diploma; however, they must satisfy the following specific course requirements (or equivalencies):

- Grade 11 English
- Grade 11 math

The following courses or subjects are recommended for the best possible outcome in the Automotive Systems program:

- Physics, chemistry and science
- Grade 12 math and English

PRACTICUM EXPERIENCE REQUIREMENTS

There is a required practicum component to this program. The College dictates the legal terms and conditions governing the practicum experience

YOUR INVESTMENT

Program fees will vary. To view fee information for your program, go to lethbridgecollege.ca/programs and select your program.

CURRICULUM

Year 1 Term I		Learning Credits
AST 1116	Introduction to Trade Practices	1.5
AST 1119	Basic Automotive Electrical I	3
AST 1122	Automotive Industry	1.5
AST 1131	Automotive Braking Systems	3
AST 1133	Automotive Drivelines	3
AST 1134	Automotive Directional Control Systems	3
AST 1135	Basic Maintenance	3
		18
Year 1 Term II		
AST 1138	Automotive Electrical Systems II	3
AST 1139	Advanced Automotive Electrical Systems	3
AST 1141	Automotive Drivetrains	3
AST 1142	Automotive Engine Systems	3
AST 1143	Engine Fundamentals	3
AST 1145	Performance Projects	3
FWK 1125	Automotive Field Work	1.5
		19.5

Special Note: Students who successfully complete the Automotive Systems one-year certificate program are eligible to write their first and second year apprenticeship exams and earn 300 hours towards first period work experience and 300 hours towards second period work experience of the Automotive Service Technician Apprenticeship program.

GRADUATION

Upon successful completion of all program requirements, students are awarded a certificate in Automotive Systems.

TRANSFERS

SAIT

Graduates of Lethbridge College's Automotive Systems certificate with a GPA of 2.0 or higher are eligible for up to 24 credits towards SAIT's Automotive Service Technology diploma program (provided all other admission requirements are met).

Crook's School of Transportation

Find out more about other programs offered in this school:

- Agricultural Equipment Technician Apprenticeshipp.41
- Agricultural & Heavy Equipment Technicianp.37
- Automotive Service Technician Apprenticeshipp.41
- Heavy Equipment Technician Apprenticeshipp.43
- Parts Technician Apprenticeshipp.43

lethbridgecollege.ca/programs

Bachelor of Nursing

Program Office: 403.320.3348 • NESARN@lethbridgecollege.ca
Office of the Program Chair: 403.320.3424 • Office of the Dean: 403.320.3403
Centre for Health and Wellness Placement Office: 403.320.3202 Ext. 5380

Due to the nature of the program, it is recommended learners contact an Academic Advisor with initial inquiries. Call 403.320.3323 or 1.800.572.0103 Extension 3323

PROGRAM OVERVIEW

The nursing profession is one of the cornerstones of modern health care. Lethbridge College and the University of Lethbridge have teamed up to offer a collaborative program that offers excellent opportunities for education.

You'll receive a top-quality education in an environment known for producing highly qualified nurses. This is due in part to the student-centered nature of the program, which encourages learners to take responsibility for their own learning under the guidance of experienced faculty members. You will work closely with our instructors, combining theory and practice through student-centered learning. Course-related practicums in hospitals, community health-care agencies and home care agencies will let you apply your new-found knowledge in the real world. Our exciting Simulated Patient Health Environment for Research and Education (SPHERE) lab is incorporated throughout the curriculum.

Through this combination of theory and hands-on clinical experience, you will develop skills in clinical reasoning, innovative clinical practice, leadership, and the use of innovative technologies. Our curriculum emphasizes the continuum of care across the lifespan.

When you complete the degree program, you will be eligible to write the NCLEX-RN Exam, giving you the opportunity to be licensed as a Registered Nurse (RN).

Your natural caring and compassionate nature combined with a commitment to high standards and detail makes you an excellent candidate for the program. Contact us to find out more!

CAREER OPPORTUNITIES

Nurses work in a range of healthcare fields, including acute and continuing care, public and community health, research, and education.

ADMISSIONS

All applicants applying to the four-year BN degree program must apply directly to the University of Lethbridge. Please refer to the U of L admissions information.

All newly-admitted students will register in and attend courses at Lethbridge College for the first two years of the program. Students will register in and attend courses at the University of Lethbridge for the final two years of the program.

ACADEMIC REQUIREMENTS

High school and transfer student applicants must have satisfactory completion of the following Alberta high school courses or equivalents:

- English Language Arts 30-1 (minimum grade of 60%)
- Biology 30
- Chemistry 30
- Mathematics 30-1, Mathematics 30-2, or Pure Mathematics 30
- A fifth course (not including Special Projects) at the Grade 12 level

Note: Admission is competitive, and the Faculty of Health Sciences at the University of Lethbridge reserves the right of selection of all students for admission and readmission to the faculty on the basis of academic qualifications. Competitive marks will be based on the average of grades in the five (5) courses listed above. Transfer students may have a minimum 3.0 credit hour university-level course mark in the same discipline used in place of the high school mark, if it is more advantageous. The fifth course may be substituted for any minimum 3.0 credit hour university-level course.

ADMISSION ROUTES

Admission to the Bachelor of Nursing program may be gained by one of the following admission routes:

- a) Alberta or other Canadian high school credentials.
- b) Transfer from recognized colleges or universities.
- c) Special Case Admission.
- d) Credentials from other countries.

The Faculty of Health Sciences at the University of Lethbridge will consider qualified, non-competitive applicants with previous experience related to nursing on a case-by-case basis. Applicants with previous experience related to nursing, who are seeking Special Case Admission, will be required to submit documents as per admission requirements at the University of Lethbridge, as well as:

1. A letter of intent, describing the nature of previous experience as it relates to nursing and the reason for pursuing nursing;
2. A letter of reference from an employer;
3. A resume detailing relevant work, volunteer, and life experience.

Note: All applicants may be invited to an interview.

TRANSFER STUDENTS

A student may transfer up to 20 semester course equivalents (60.0 credit hours). Students may receive transfer credit for both nursing and non-nursing courses. Nursing, human anatomy/physiology, and microbiology courses must have been completed at an accredited post-secondary institution not more than three (3) years prior to admission. Non-nursing courses are subject to the time limits of the relevant faculty courses for which transfer credit is being sought and must be discussed at the time of acceptance into the Faculty of Health Sciences at the University of Lethbridge.

Bachelor of Nursing Continued

INTERNATIONAL STUDENTS

Applicants whose first language is other than English must provide acceptable evidence of English Language Proficiency according to the U of L admissions information.

PRACTICE BASED EXPERIENCE (PBE) REQUIREMENTS

This program has a required Practice-Based Experience (PBE) component. The College dictates the legal terms and conditions governing the PBE.

Students must meet and maintain certain requirements to participate in the PBE setting as determined by programs, practice agencies and/or legislated by government bodies. These may include health (e.g. immunizations, screening tests, etc.), privacy and security (e.g. police information check, IT access, etc.), and OH&S requirements (e.g. CPR certification, Fire Safety, WHMIS, Mask Fit-testing, etc.).

As a post-secondary health care program in Alberta, provincial immunization standards apply to students in this program. As per the provincial "Standard for Immunization of Post-Secondary Health Care Students and Students in Other High-Risk Occupational Programs", all Post-Secondary Institutions (PSI) have the responsibility of assessing the immunization status of each healthcare student at the time of initial enrollment and to ensure all healthcare students are fully immunized before leaving post-secondary programs.

There is an administrative fee for this assessment and vaccinations required to become fully immunized. Workers' Compensation Board (WCB) coverage – PBE placement agencies and employers usually require WCB coverage on behalf of the student. Students enrolled in post-secondary institutions in Alberta are deemed to be employees of the Province of Alberta and, as such, provided WCB coverage. In certain instances, for students outside of Alberta, WCB coverage may not be provided (e.g. non-Alberta residents taking a course solely through distance learning with a PBE placement outside of Alberta). These students are advised to contact the program prior to application.

PBE sites will include Lethbridge and may include surrounding rural communities. PBE's may include day, evening, and/or weekend schedules. Students will be expected to travel to assigned sites and will be responsible for arranging travel and any associated costs.

ACADEMIC STANDARDS

During orientation to the program, students receive a handbook outlining all the program policies. It is very important for learners to review and understand these requirements.

A student who falls within the ranges below will be in good standing, on academic probation, or required to withdraw, respectively:

Number of Completed Courses (includes transfer courses) ¹	Good Standing	Academic Probation	Required Withdrawal
0-5	1.70 or higher	0.00-1.69	-
6-10	1.70 or higher	1.50-1.69	Below 1.50
11-20	1.85 or higher	1.70-1.84	Below 1.70
21-30	2.00 or higher	1.85-1.99	Below 1.85
31-40	2.00 or higher	-	Below 2.00

¹ The number of complete courses is based on a standard 3.0 credit-hour course.

ACADEMIC DISQUALIFICATION

A student is required to withdraw from the Bachelor of Nursing program if any of the following occurs:

- the cumulative GPA falls below the required levels for two or more consecutive terms at the end of the spring term;
- the student fails any internship or nursing practicum course; or
- the student fails to meet the Standards of Professional Conduct (see below).

A student dismissed for academic reasons may apply for readmission by the appropriate deadline after a lapse of one full year. Readmission is not guaranteed. Students dismissed for a second time will not be re-admitted to the program. Students are advised to contact an academic advisor as early as possible to discuss the possibility of readmission.

STANDARDS OF PROFESSIONAL CONDUCT

The standards of professional conduct for students in the Bachelor of Nursing program are published in the NESAs Student Handbook. Students are subject to the general rules and regulations of the

Students may be required to withdraw for violations of professional conduct. Faculty members who are supervising clinical practice experiences may require a student to leave a clinical setting at any time if, in the opinion of the faculty member, the student's practice threatens patient/client safety or is disruptive to patient/client care. The Dean, or the Chair, will review the case in a timely fashion to determine whether, and under what conditions, the student may return to the clinical setting.

YOUR INVESTMENT

Program fees will vary. To view fee information for your program, go to www.lethbridgecollege.ca/programs and select your program.

Students are expected to travel for practicum placements and are responsible for associated costs.

- Year III and Year IV BN fees are determined by the University of Lethbridge. Please contact the U of L at 403.329.2649 for more information.

Bachelor of Nursing Continued

CURRICULUM

Year 1 Term I Learning Credits

BIO 1160	Anatomy and Physiology I	3
NSG 1163	Introduction to Nursing Practice	6
NSG 1168	Intro to Nursing and Concepts of Health	3
ENG 1150	Composition (U of L HUM1xxx) (OL)	3
PSY 1160	(U of L 1000) Introduction to Psychology (OL)	3
		18

Year 1 Term II

BIO 1161	Anatomy and Physiology II	3
BIO 1162	Microbiology (OL)	3
NSG 1155	Concepts of Health: Individuals/Families	3
NSG 1173	Health and Physical Assessment	6
SOC 1160	(U of L 1000) Introduction to Sociology (OL)	3
		18

Year 2 Term I

NSG 2268	Disruptions in Health I	3
	OR	
NSG 2254	Maternity and Pediatric Nursing	3
NSG 2263	Medical-Surgical Nursing Practice	6
	OR	
NSG 2293	Maternity and Pediatric Nursing Practice	6
NSG 2290	Pharmacology and Applied Therapeutics	3
HUM 1155	(U of L Philosophy 1000) Ethics (OL)	3
PSY 1170	Human Development across the Lifespan (OL)	3
		18

Year 2 Term II

NSG 2268	Disruptions in Health I	3
	OR	
NSG 2254	Maternity and Pediatric Nursing	3
NSG 2263	Medical-Surgical Nursing Practice	6
	OR	
NSG 2293	Maternity and Pediatric Nursing Practice	6
NSG 2279	Nursing Issues and Health Care in Canada	3
GLER	Social Science Elective	3
GLER	Humanities or Fine Arts Elective	3
		18

Special Note: Whenever possible, nursing theory courses are aligned with concurrent clinical practice experiences.

(OL) indicates courses which are also available through Online Learning.

General Requirements

- Successful completion of at least 40 course equivalents (121.0 credit hours) with a cumulative grade point average of at least 2.00 on all courses taken for credit toward the degree.
- Attain a minimum cumulative grade point average of at least 2.50 on all required Nursing and Health Sciences courses taken for credit toward the program in Years 3 and 4.
- Completion of the General Liberal Education Requirement (GLER)

4. Minimum Grade Requirement

A minimum grade of C is required in Nursing 1163/Nursing 1220 and Nursing 1173/Nursing 1320. A student who receives a grade of C - or less must repeat the course prior to proceeding in the program.

A minimum grade of C - is required in all Nursing courses and BIO 1160, BIO 1161, and BIO 1162 in order to meet degree requirements. Any student who receives a grade of D + or lower in these courses is required to repeat the course and achieve a higher grade before being allowed to proceed in the program.

5. Not more than three Independent Study courses may be taken for credit toward the degree. Residence Requirement: 20 courses including a minimum of 12 in Nursing and Health Sciences.

6. All requirements must be completed within seven years of the first Nursing course used for credit toward the degree.

Year 3 Term I

One of:		
	NURS 3020 Community Health Nursing	3
	NURS 3125 Mental Health Nursing	3
	NURS 3230 Disruptions in Health II	3
One of:		
	NURS 4510 Mental Health Nursing Practice	6
	NURS 4520 Community Health Nursing Practice	6
	NURS 4530 Rural Nursing Practice	6
	HLSC 3450/PSYC 3450 Applied Statistics for Clinical Practice	3
	NURS 3360 Nursing Research	3
		15

Year 3 Term II

One of:		
	NURS 3020 Community Health Nursing	3
	NURS 3125 Mental Health Nursing	3
	NURS 3230 Disruptions in Health II	3
One of:		
	NURS 4510 Mental Health Nursing Practice	6
	NURS 4520 Community Health Nursing Practice	6
	NURS 4530 Rural Nursing Practice	6
	NURS 3135 Leadership in Nursing	3
	Fine Arts & Humanities Elective	3
		15

Year 4 Term I

One of:		
	NURS 3020 Community Health Nursing	3
	NURS 3125 Mental Health Nursing	3
	NURS 3230 Disruptions in Health II	3
One of:		
	NURS 4510 Mental Health Nursing Practice	6
	NURS 4520 Community Health Nursing Practice	6
	NURS 4530 Rural Nursing Practice	6
	NURS 4135 Global Health Issues and Trends	3
	Health Sciences/Public Health Elective	3
		15

Year 4 Term II

NURS 4750 Senior Preceptorship	15
	15

Bachelor of Nursing - After Degree

Program Office: 403.320.3348 • NESARN@lethbridgecollege.ca
 Office of the Program Chair: 403.320.3424 • Office of the Dean: 403.320.3403
 Centre for Health and Wellness Placement Office: 403.320.3202 Ext. 5380

Due to the nature of the program, it is recommended learners contact an Academic Advisor with initial inquiries. Call 403.320.3323 or 1.800.572.0103 ext. 3323.

PROGRAM OVERVIEW

The Bachelor of Nursing - After Degree (BN-AD) program is designed to provide an accelerated course of studies to a Bachelor of Nursing for students who have previously earned an approved degree in any discipline or field of study. The program will be offered over six consecutive semesters; students will attend from September to August and will be able to complete in a period of approximately 24 months. Appropriate breaks between and occasionally within semesters will be scheduled in order to provide time for vacation. This degree is offered in collaboration with the University of Lethbridge, with the first two semesters occurring at the Lethbridge College campus and the final four semesters occurring at the University of Lethbridge. When you complete the program, you will be eligible to write the NCLEX-RN Exam, giving you the opportunity to be licensed as a Registered Nurse (RN).

ADMISSIONS

All applicants applying to the Bachelor of Nursing – After Degree program must apply directly to the University of Lethbridge. Please refer to the U of L admissions information.

Applicants must have a completed baccalaureate degree from an institution recognized by the University of Lethbridge.

The following courses are required for admission: Human Anatomy (with laboratory component) and Physiology, six credit hours; Microbiology, three credit hours; Statistics, three credit hours; fine arts and humanities courses, six credit hours; and social science courses, six credit hours.

Note: Human Anatomy and Physiology, Microbiology, and Statistics must be completed within 10 years preceding the year of admission.

Applicants whose first language is other than English must provide acceptable evidence of English Language Proficiency according to the U of L admissions information. All other requirements remain congruent with those of the Bachelor of Nursing program.

PRACTICE BASED EXPERIENCE (PBE) REQUIREMENTS

This program has a required Practice-Based Experience (PBE) component. The College dictates the legal terms and conditions governing the PBE.

Students must meet and maintain certain requirements to participate in the PBE setting as determined by programs, practice agencies and/or legislated by government bodies. These may include health (e.g. immunizations, screening tests, etc.), privacy and security (e.g. police information check, IT access, etc.), and OH&S requirements (e.g. CPR certification, Fire Safety, WHMIS, Mask Fit-testing, etc.).

As a post-secondary health care program in Alberta, provincial immunization standards apply to students in this program. As per the provincial "Standard for Immunization of Post-Secondary Health Care Students and Students in Other High-Risk Occupational Programs", all Post-Secondary Institutions (PSI) have the responsibility of assessing the immunization status of each healthcare student at the time of initial enrollment and to ensure all healthcare students are fully immunized before leaving post-secondary programs. There is an administrative fee for this assessment and vaccinations required to become fully immunized.

Workers' Compensation Board (WCB) coverage – PBE placement agencies and employers usually require WCB coverage on behalf of the student. Students enrolled in post-secondary institutions in Alberta are deemed to be employees of the Province of Alberta and, as such, provided WCB coverage. In certain instances, for students outside of Alberta, WCB coverage may not be provided (e.g. non-Alberta residents taking a course solely through distance learning with a PBE placement outside of Alberta). These students are advised to contact the program prior to application.

PBE sites will include Lethbridge and may include surrounding rural communities. PBE's may include day, evening, and/or weekend schedules.

Students will be expected to travel to assigned sites and will be responsible for arranging travel and any associated costs.

ACADEMIC STANDARDS

During orientation to the program, students receive a handbook outlining all the program policies. It is very important for learners to review and understand these requirements.

A student who falls within the ranges below will be in good standing, on academic probation, or required to withdraw, respectively:

Number of Completed Courses (includes transfer courses) ¹	Good Standing	Academic Probation	Required Withdrawal
0-5	1.70 or higher	0.00-1.69	-
6-10	1.70 or higher	1.50-1.69	Below 1.50
11-20	1.85 or higher	1.70-1.84	Below 1.70
21-30	2.00 or higher	1.85-1.99	Below 1.85
31-40	2.00 or higher	-	Below 2.00

¹ The number of completed courses is based on a standard 3.0 credit-hour course.

Bachelor of Nursing - After Degree Continued

ACADEMIC DISQUALIFICATION

A student is required to withdraw from the Bachelor of Nursing program if any of the following occurs:

- the cumulative GPA falls below the required levels for two or more consecutive terms at the end of the spring term;
- the student fails any internship or nursing practicum course; or
- the student fails to meet the Standards of Professional Conduct (see below).

A student dismissed for academic reasons may apply for readmission by the appropriate deadline after a lapse of one full year. Readmission is not guaranteed. Students dismissed for a second time will not be re-admitted to the program. Students are advised to contact an academic advisor as early as possible to discuss the possibility of readmission.

STANDARDS OF PROFESSIONAL CONDUCT

The standards of professional conduct for students in the Bachelor of Nursing – After Degree program are published in the Student Handbook. Students are subject to the general rules and regulations of the agencies with which they are affiliated during practice experiences. Students may be required to withdraw for violations of professional conduct.

Faculty members who are supervising clinical practice experiences may require a student to leave a clinical setting at any time if in the opinion of the faculty member, the student's practice threatens patient/client safety or is disruptive to patient/client care. The Dean, or the Chair in the case of Year I, Terms I & II, will review the case in a timely fashion to determine whether, and under what conditions, the student may return to the clinical setting.

YOUR INVESTMENT

Program fees will vary. To view fee information for your program, go to lethbridgecollege.ca/programs and select your program.

Students are expected to travel for practicum placements and are responsible for associated costs.

- Terms III - VI BN-AD fees are determined by the University of Lethbridge. Please contact the U of L at 403.329.2649 for more information.

CURRICULUM

Term I	Learning Credits	
NSG 1181 Nursing Concepts: Individuals & Families	6	
NSG 1182 Intro to Nursing: Assessment & Practice	6	
NSG 3360 Nursing Research (U of L)	3	
		15
Term II		
NSG 2268 Disruptions in Health I	3	
NSG 2269 Rural Nursing Practice	6	
NSG 2290 Pharmacology and Applied Therapeutics	3	
		12
Terms III - VI are delivered at the University of Lethbridge.		
Term III		
Nursing 2125 Maternity and Pediatric Nursing	3	
Nursing 2255 Maternity and Pediatric Nursing Practice	5	
Nursing 3125 Mental Health Nursing	3	
Nursing 4511 Mental Health Nursing Practice	5	
		16
Term IV		
Nursing 3135 Leadership in Nursing	3	
Nursing 3020 Community Health Nursing	3	
Nursing 4520 Community Health Nursing Practice	6	
		12
Term V		
Nursing 3230 Disruptions in Health II	3	
Nursing 4135 Global Health Issues and Trends	3	
Nursing 4531 Medical-Surgical Nursing Practice	6	
		12
Term VI		
Nursing 4750 Senior Preceptorship	15	
		15

School of Health Sciences

Find out more about other programs offered in this school:

- Bachelor of Nursing p.47
- Massage Therapy p.104
- Perioperative Post-Diploma Nursing p.111
- Practical Nursing p.113
- Therapeutic Recreation - Gerontology p.117

lethbridgecollege.ca/programs

Business Administration

Program Office: 403.320.3213 • business@lethbridgecollege.ca

Office of the Chair: 403.320.3202 Ext. 5375

Office of the Dean: 403.320.3213

PROGRAM OVERVIEW

A strong understanding of effective business principles is key to success not only in business, but also in government, not-for-profit, and charitable agencies and organizations. The solid understanding and skills you gain in our two-year diploma program will provide a strong foundation which can lead to a wide variety of future opportunities.

First year includes theoretical and practical exposure to accounting, management, marketing, business law, entrepreneurship, microeconomics, communication, and business technology. In second year, students build on the basics by taking courses specific to one of four majors:

- Accounting
- Management
- Marketing
- General Business

As part of a strong close-knit community of students and instructors, you'll develop in-depth knowledge and skills in these specific areas. A variety of opportunities await Business Administration graduates, including the chance to pursue a career immediately, continue studies in a university degree program and/or obtain one of a number of professional designations.

CAREER OPPORTUNITIES

Our diploma program in Business Administration will prepare you for a career in a very wide range of fields, including:

- Accounting
- Advertising
- Agri-Business
- Banking
- E-commerce
- Energy Industry
- Entrepreneurship
- Financial Services
- Human Resources
- Management
- Marketing
- Retail Management
- Sales
- Taxation
- Technology

The Business Administration program is also excellent preparation for further post-secondary education.

ADMISSIONS

New students are accepted into the Business Administration program in the Fall (September), Winter (January), and Spring (May) terms.

Note: Prospective students wishing to spread their courses over an additional term and/or commence their studies in the Winter or Spring terms are encouraged to consult with an advisor for information regarding pre-requisites and course sequencing. Students who begin their studies in the Winter (January) term and plan to complete an accounting major must have credit for ACC-1175 prior to September in order to complete the program within two years. This means completing ACC-1175 in the Spring (May) term.

GENERAL ADMISSION REQUIREMENTS

All applicants must meet the general admission requirements for Lethbridge College programs, as indicated in the Admission section of this calendar.

ACADEMIC REQUIREMENTS

In addition to meeting the general admission requirements indicated in the Admission section of this calendar, applicants to this program must also satisfy the following specific course requirements (or equivalencies):

- Grade 12 math (equivalent to Alberta's Math 30-2 or a higher level math)

PRACTICUM EXPERIENCE REQUIREMENTS

There is an elective practicum component to this program. The College dictates the legal terms and conditions governing the practicum experience.

YOUR INVESTMENT

Program fees will vary. To view the fee information for your program, go to lethbridgecollege.ca/programs and select your program.

CURRICULUM

YEAR 1		Learning Credits
ACC 1170	Financial Accounting I	3
ACC 1175	Financial Accounting II	3
BUS 1166	Business Law	3
BUS 1168	Management Communication *	3
BUS 1170	Introduction to Management	3
BUS 1177	Entrepreneurship	3
BUS 1185	Business Computer Applications	1.5
CPU 1165	Designing Spreadsheet Applications	3
ECN 1180	Microeconomics	3
ENG 1168	Business Communication *	3
MKT 1188	Introduction to Marketing	3
		31.5

* The combination of BUS 2269 (Management Communications) and PRS 1155 (Speech) is considered to be an acceptable alternative for BUS 1168.

* The combination of ENG 1156 (Business Writing) and PRS 1155 (Speech) is considered to be an acceptable alternative for ENG1168.

ACCOUNTING MAJOR

The success of any business or organization is tied very closely to its financial position. Put your appreciation for detail and numbers to work and develop the knowledge and skills that will enable you to provide the kinds of services valued by organizations and individuals alike. Through theoretical and practical application, you will gain a very solid in-depth working knowledge of accounting, statistics, business finance, macroeconomics, individual and corporate income tax, and computerized accounting.

You will leave our program with the background needed to succeed in an accounting-related position with business, government, not-for-profit and charitable organizations, and/or pursue further education towards an accounting designation. Many of our students have done one or more of these - with great success.

Business Administration Continued

YEAR 2	Learning Credits
ACC 2250 Management Accounting I	3
ACC 2251 Management Accounting II	3
ACC 2271 Intermediate Financial Accounting I	3
ACC 2273 Intermediate Financial Accounting II	3
BUS 2292 Business Finance	3
ECN 2253 Macroeconomics	3
STS 2250 Statistics	3
TAX 2251 Taxation	3
ACC 2278 Computerized Accounting for Management	3
Approved Elective (See elective lists A and B)	3
	30

MANAGEMENT MAJOR

The success of any business or organization is highly dependent on its management expertise. The management major provides opportunity to gain that expertise, in areas including entrepreneurship and small business management, human resources, leadership, organizational dynamics, business finance, international business, the global economy, and statistics. In this major, you will develop skills in leadership, communication, cooperation, analysis, and strategic action plan implementation. Through case studies, simulations and other learning experiences, you will rely on sound management knowledge and principles acquired earlier to solve real business and organizational problems. The program provides a solid foundation for numerous career options including banking, human resource management, starting and managing a new business, as well as managing existing businesses, not-for-profit, charitable and government organizations.

YEAR 2	Learning Credits
BUS 2268 Organizational Behaviour	3
BUS 2275 International Business	3
BUS 2278 Industrial and Labour Relations	3
BUS 2285 Advanced Small Business Management	3
BUS 2292 Business Finance	3
BUS 2298 Human Resource Management	3
STS 2250 Statistics	3
Approved electives (See elective lists A and B.)	9
	30

MARKETING MAJOR

Analyzing the strategies that make a business successful is the core purpose of the marketing major. In-depth knowledge of the latest business trends, communication tools, concepts, international influences, buyer behavior, and market research are some of the keys to a career as a marketing professional. At Lethbridge College, you'll gain a strong understanding of these areas and benefit from our focus on practical application. The program includes projects with local businesses and organizations, creation of marketing plans, case studies, group presentations and field trips to a variety of area businesses. You will be well prepared for careers in management, retailing, merchandising, market research, advertising, international marketing, either for existing businesses and organizations, or to start your own.

YEAR 2	Learning Credits
MKT 2260 International Marketing	3
MKT 2277 Merchandise Administration	3
MKT 2279 Applied Sales	3
MKT 2281 Marketing Logistics	3
MKT 2283 Advertising	3
MKT 2288 Marketing Management	3
MKT 2290 Marketing Research	3
Approved electives (See elective lists A and B)	9
	30

GENERAL BUSINESS MAJOR

This major allows significant flexibility in choosing courses, and may be ideal for those planning entrepreneurial careers. In addition to the core courses shown, students may choose their own unique combination of electives from the lists below, ensuring the best possible combination of knowledge and skills.

Special note: If you intend to pursue a university degree upon completion of the Business Administration diploma, we strongly recommend that you include STS-2250 (Statistics) in your program.

YEAR 2	Learning Credits
BUS 1176 Personal Finance	3
BUS 2285 Advanced Small Business Management	3
BUS 2292 Business Finance	3
BUS 2298 Human Resource Management	3
MKT 2288 Marketing Management	3
Approved electives (See elective lists A and B)	15
	30

LIST A - APPROVED BUSINESS ELECTIVES

ACC 2250 Management Accounting I	3
ACC 2251 Management Accounting II	3
ACC 2271 Intermediate Financial Accounting I	3
ACC 2273 Intermediate Financial Accounting II	3
ACC 2278 Computerized Accounting for Management	3
BUS 1176 Financial Planning	3
BUS 1180 Project Management	3
BUS 2267 Database Design	3
BUS 2268 Organizational Behaviour	3
BUS 2275 International Business	3
BUS 2278 Industrial and Labour Relations	3
BUS 2284 Advanced Internet Skills	1.5
BUS 2285 Advanced Small Business Management	3
BUS 2291 Writing a Business Plan	3
BUS 2292 Business Finance	3
BUS 2298 Human Resource Management	3
CPU 2254 Basic Desktop Publishing	3
ECN 2253 Macroeconomics	3
FWK 2250 Field Work	3
IND 2251 Independent Study	1.5
IND 2252 Independent Study	1.5
IST 2250 International Study Tour	3
MGT 2251 Events and Conference Management	3
MKT 2250 Advertising Essentials	3
MKT 2260 International Marketing	3
MKT 2275 E-commerce	3
MKT 2277 Merchandise Administration	3
MKT 2279 Applied Sales	3
MKT 2281 Marketing Logistics	3
MKT 2283 Advertising	3
MKT 2288 Marketing Management	3
MKT 2290 Marketing Research	3
STS 2250 Statistics	3
TAX 2251 Taxation	3
TTC 2251 Tourism	3

Business Administration Continued

LIST B - APPROVED NON-BUSINESS ELECTIVES

(a maximum of 3 credits may be included from List B Approved Non-Business Electives.)

AGR 2286	Agricultural Business Management	3
BIO 1151	Environmental Issues (OL)	3
BLK 1151	Blackfoot Language I	3
HUM 1150	Logic	3
HUM 1155	Ethics (OL)	3
HUM 1180	Introduction to World Religions (OL)	3
HUM 1190	Popular Culture	3
NAT1155	Introduction to Native American Studies	3
PED 1123	Academic Success Athletics I	1.5
PSC 1161	Introduction to Politics (OL)	3
PSC 1165	Canadian Government	3
PSY 1160	Introduction to Psychology (OL)	3
SGV 1111	Student Government	3
SGV 1112	Student Government	3
SGV 1122	Student Government	6
SGV 2113	Student Government	3
SGV 2114	Student Government	3
SGV 2124	Student Government	6
SOC 1160	Introduction to Sociology (OL)	3
SPN 1150	Introductory Spanish	3

(OL) indicates courses which are also available through Online Learning.

GRADUATION

Upon successful completion of all program requirements, students are awarded a Business Administration Diploma with designated major.

TRANSFERS

University of Lethbridge

Graduates of Lethbridge College's Business Administration diploma are eligible to receive two years' credit towards the University of Lethbridge's Bachelor of Management degree, provided that a cumulative grade point average of at least 3.0 is achieved in the Lethbridge College diploma program. The exact number of additional required courses varies based on courses taken and the major selected at the University of Lethbridge. Visit www.uleth.ca for further information.

Athabasca University

Graduates of Lethbridge College's Business Administration diploma are eligible to receive two years' credit towards any of the following business degrees at Athabasca University: 3-year Bachelor of Management, 4-year Bachelor of Management (Human Resource Management or Marketing major), or 4-year Bachelor of Commerce (Accounting or e-Commerce major). Diploma graduates will need to complete ten courses for the 3-year B.Mgmt. and twenty courses for the 4-year B.Mgmt. or B.Comm. It is highly recommended, but not mandatory, that BUS-2292 and STS-2250 are included in your Lethbridge College diploma. Visit www.athabascau.ca for more information.

Royal Roads University

Graduates of Lethbridge College's Business Administration diploma, with a minimum 3.0 GPA, are eligible to receive block transfer into the third year of the Bachelor of Commerce in Entrepreneurial Management or Bachelor of Business Administration in Sustainability and International Business at Royal Roads University, provided all entrance criteria for admission to RRU are met and space remains available in the program. Visit www.royalroads.ca for more information.

Kajaani University of Applied Sciences

Graduates of Lethbridge College's Business Administration Management and Marketing diploma program with a minimum grade point average of 2.0 are eligible for transfer credit towards a Bachelor's Degree in Business Administration.

Griffith University, Queensland, Australia

Graduates of Lethbridge College's Business Administration program are eligible to transfer credit towards the completion of a Bachelor Degree at Griffith University, located in Australia. Business Administration Accounting graduates can complete the Griffith's Bachelor of Commerce in three (3) semesters. Business Administration Management, Marketing or General Business graduates can complete a Bachelor of Business in three (3) semesters. Please visit www.griffith.edu.au/credit for more information.

Robert Gordon University - Aberdeen, Scotland

Graduates of Lethbridge College's Business Administration Management and Marketing diploma programs with a minimum grade point average of 3.0 are eligible for transfer credit towards a B.A. in International Business Management or B.A. Management with Marketing at RGU in Aberdeen, Scotland.

SAIT

Graduates of Lethbridge College's Business Administration Accounting diploma are eligible for admission into the third year of SAIT's Bachelor of Business Administration (Accounting) degree program. *Some bridging courses are required.

Okanagan College

Graduates of Lethbridge College's Business Administration diploma with a minimum grade average of 67% are eligible for admission into the third year of the Bachelor of Business Administration (BBA) degree program.

University of Calgary

Graduates of a 2-year diploma program will be awarded up to 5 full junior course options.

College of the Rockies

Graduates from the diploma in Business Administration – Accounting, Management, Marketing, or General Business majors are eligible to receive full block transfer into the Bachelor of Business Administration in Sustainable Business Practices degree, provided all other entrance criteria are met and space remains available in the program. Entrance by new students to all programs at College of the Rockies is a first-qualified, first-in basis.

Business Administration Continued

Institute of Technology Carlow, Carlow, Ireland

Graduates from the diploma in Business Administration – Accounting, Management, Marketing, or General Business majors will be accepted for entry into Year 3 of Bachelor (Honours) in Business with options to specialize in Business Management, HRM, Supply Chain Management and International Business. Please note, scholarships may be awarded – please refer to website: www.itcarlow.ie

Institute of Technology Sligo, Sligo, Ireland

Graduates from the diploma in Business Administration – Accounting, Management, Marketing, or General Business majors will complete two semesters in IT Sligo to complete the Bachelor of Business in Business Administration (NFQ Level 7) Bachelor Degree program. Students who complete the Bachelor of Business in Business Administration (NFQ Level 7) degree may subsequently transfer into the IT Sligo Bachelor of Business (Hon) (Add-On) (NFQ Level 8) degree which they can complete full time (one year) or on-line (two year). Please refer to website: ww.itsligo.ie

School of Business

Find out more about other programs offered in this school:

- Administrative Office Professional.....p. 36
- Computer Information Technologyp.64

lethbridgecollege.ca/programs

Child and Youth Care

Program Office: 403.320.3393 • humanservices@lethbridgecollege.ca

Office of the Program Chair: 403.329.7254

Office of the Dean: 403.317.3568

PROGRAM OVERVIEW

The Child and Youth Care program is designed to prepare you to work with children, youth and families who are experiencing difficulties and challenges within their daily lives that have impacted their optimal development. Some will have been exposed to negative life circumstances such as trauma, rejection, abuse, and emotional stress. You will learn to work from a developmental, ecological and strength-based perspective, emphasizing the interaction between persons and their physical, social and cultural environments.

You will gain the knowledge, values and skills to promote, support and strengthen the development of children, youth and their families in a variety of settings such as residential treatment, community-based and youth programs, parent education and family support, family preservation and reunification, early intervention and within a variety of school settings.

Once you graduate from the program, you'll be able to integrate a strength-based developmental and systems perspective in all aspects of child and youth care practice.

CAREER OPPORTUNITIES

Our diploma program in Child and Youth Care will prepare you for employment as a child and youth care professional in a wide variety of settings including:

- Residential and Treatment Programs
- Family Support Work
- Group Homes
- Independent Living Programs
- Schools
- Recreation & Community Centres
- Women's Emergency Centres
- Foster Care
- Young Offender Centres
- Drop-in Centres
- Hospitals
- Adolescent Psychiatry

ADMISSIONS

New students are accepted into the Child and Youth Care program for the Fall (September) term. Students wishing to enroll for the Winter (January) term may take courses in a revised curriculum based on course availability.

This admission results in a five term curriculum for the completion of the diploma.

GENERAL ADMISSION REQUIREMENTS

All applicants must meet the general admission requirements for Lethbridge College programs, as indicated in the Admission section of this calendar.

PRACTICUM EXPERIENCE REQUIREMENTS

There is a required practicum component to this program. The College dictates the legal terms and conditions governing the practicum experience.

Applicants are advised they will be required to provide a Criminal Record Check and an Alberta Children's Services Intervention Record Check (IR Check) before entering the practicum experience component of the program. The existence of an IR or criminal record may affect practicum placements, program completion and employment prospects.

The consequences of a prior criminal conviction will be examined and discussed on an individual basis. The logistics for obtaining a Criminal Record Check and an IR Check will be discussed with students during program orientation. Cost of the Criminal Record Check is approximately \$75 on each occurrence. Students are advised that it is necessary to have these checks completed at least once per year.

Applicants will be required to have St. John Ambulance Standard First Aid and CPR (or equivalent) certificates prior to their practicum experiences. The cost for this certification is approximately \$125.

YOUR INVESTMENT

Program fees will vary. To view fee information for your program, go to lethbridgecollege.ca/programs and select your program.

CURRICULUM

Year 1 Term I		Learning Credits
CYC 1158	Communications in CYC Practice	3
CYC 1169	Observation, Reporting & Assessment	3
CYC 1173	Foundations and Roles of Child & Youth Care	3
ENG 1150	Composition (OL)	3
HSP 1151	Family Systems and Development (OL)	3
PSY 1170	Human Development Across the Life Span (OL)	3
		18
Year 1 Term II		
CYC 1163	Behaviour Management	3
CYC 1175	Therapeutic Interventions	3
CYC 1178	CYC Clinical Practice I	3
CYC 1180	Counselling Techniques I	3
CYC 1194	Activity Leadership	3
PSY 1179	Adolescent Development (OL)	3
		18
Year 2 Term I		
CYC 2251	Family Support and Intervention	3
CYC 2253	Group Process	3
CYC 2255	CYC Clinical Practice II	6
CYC 2272	Family Violence	3
CYC 2280	Counselling Techniques II	3
		18
Year 2 Term II		
CYC 2260	Mental Health and Substance Abuse in CYC Practices	3
CYC 2269	Case Management and Evaluation	3
CYC 2285	CYC Clinical Practice III	6
		12

(OL) indicates courses which are also available through Online Learning.

GRADUATION

Upon successful completion of all program requirements, students are awarded a Child and Youth Care diploma.

Child and Youth Care Continued

TRANSFERS

MacEwan University

CYC diploma graduates with a GPA of 2.3 or higher may be eligible for entry into year three of the Bachelor of Child and Youth Care degree.

University of Lethbridge

CYC graduates who have achieved a diploma GPA of 3.0 or higher may be admitted to the University of Lethbridge's Post-Diploma Bachelor of Health Sciences - Addictions Counselling (Extended).

Athabasca University

Diploma graduates may transfer directly into the third year of the Bachelor of Professional Arts in Human Services at Athabasca University. Diploma graduates are awarded transfer credit equivalent to one year towards the three or four-year Bachelor of Management degree at Athabasca University.

Lethbridge College

Students who complete the Child and Youth Care diploma are eligible for entry into the Bachelor of Applied Arts in Justice Studies at Lethbridge College. Some bridging courses may be required on an individual basis.

University of Calgary

Graduates of a two-year diploma program will be awarded up to 5 full junior course options.

BC CYC Consortium

CYC diploma graduates with a B average (3.0 GPA) or higher will receive 60 block transfer credits (30 units in UVIC model) Bachelor of Arts in Child and Youth Care offered at Douglas College, University of Victoria, University of the Fraser Valley, and Vancouver Island University.

Griffith University, Australia

CYC diploma graduates may enter into the fourth semester of the Bachelor of Child and Family Studies, Bachelor of Human Services, or the Bachelor of Social Work degree program. Please visit www.griffith.edu.au/credit for more information.

Institute of Technology Carlow, Carlow Ireland

Graduates from the diploma in Child and Youth Care will be accepted for entry into Year 2 of the Honours Degree in Applied Social Studies – Professional Social Care. Please note, scholarships may be awarded. Please refer to website: www.itcarlow.ie

School of Human Services

Find out more about other programs offered in this school:

- Early Childhood Educationp.76
- Educational Assistantp.80

lethbridgecollege.ca/programs

Civil Engineering Technology

Program Office: 403.320.3468 • engineeringtech@lethbridgecollege.ca

Office of the Chair: 403.320.3456

Office of the Dean: 403.317.3597

PROGRAM OVERVIEW

Civil engineering builds the infrastructure of society. Buildings, homes, cities, roads and bridges are all products of civil engineering. Our intensive two-year "nationally accredited" diploma program in Civil Engineering Technology will prepare you for a rewarding career in civil engineering technology and construction management.

The first year of the program focuses on engineering fundamentals including topics such as Computer Assisted Drafting (CAD) and land surveying to fluid mechanics, applied physics, and concrete technology.

In the second year, the emphasis is on engineering design and management. This encompasses structural design and detailing, construction methods, environmental technology, municipal/highway design, estimating and business management. Industry standard computer applications are used in combination with hands-on experiences to culminate in an applied research project. These projects involve data collection, fieldwork, and interaction with engineering technology professionals.

The environmental and ethical dimensions of civil engineering are also considered. While engineers build to improve society, construction has environmental and social costs that must be considered. The classroom, fieldwork and project experience will prepare technologists with skills to balance costs and benefits in the construction process.

A Civil Engineering Technology diploma paves the way for a great career as a technology professional.

CAREER OPPORTUNITIES

- Geo-Technologist
- Roadway Designer
- Infrastructure Designer
- Subdivision Designer
- Construction Estimator
- Construction Manager
- Structural Design Assistant
- Structural Designer
- Quality Control Inspector
- Construction Designer
- Materials Testing Technologist

ADMISSIONS

Students are accepted into the Civil Engineering Technology program for the Fall (September) term only.

GENERAL ADMISSION REQUIREMENTS

All applicants must meet the general admission requirements for Lethbridge College programs, as indicated in the Admission section of this calendar.

ACADEMIC REQUIREMENTS

In addition to meeting the general admission requirements indicated in the Admission section of this calendar, applicants to this program must also satisfy the following specific course requirements (or equivalencies):

- a minimum grade of 50 percent in Grade 12 math (equivalent to Alberta's Math 30-1) or 60 percent in Grade 12 math (equivalent to Alberta's Math 30-2)
- Grade 11 physics or Grade 12 science

Please note that Grade 12 biology and/or Grade 12 chemistry will not be accepted in lieu of Grade 12 science.

Basic understanding of computer technology such as word processing, copying files; and familiarity working in a Windows-based environment is required.

PRACTICUM EXPERIENCE REQUIREMENTS

There is an elective practicum component to this program. The College dictates the legal terms and conditions governing the practicum experience.

PRIOR LEARNING ASSESSMENT (PLA)

If you have experience working in this field of study, you may be eligible for Prior Learning Assessment (PLA). Please direct your inquiries to the Program Chair.

YOUR INVESTMENT

Program fees will vary. To view fee information for your program, go to lethbridgecollege.ca/programs and select your program.

MOBILE LEARNING PROGRAM

This is a Mobile Learning Program that requires students to purchase a mobile device from Lethbridge College complete with program specific software. Go to www.lethbridgecollege.ca/mobilelearning for additional information.

CURRICULUM

Year 1 Term I	Learning Credits
CAD 1160 Graphic Communications	3
COM 1164 Technical Communications	3
CON 1162 Engineering Management I	3
EDD 1160 Technical Drawing	1.5
MTH 1150 Engineering Math I	3
SUR 1150 Land Survey I	3
	16.5
Year 1 Term II	Learning Credits
CON 1165 Construction Materials	3
CON 1180 Construction Engineering I	3
ENF 1166 Statics and Strength of Materials	3
ENF 1170 Engineering Properties I	3
MTH 1170 Engineering Math II	3
SUR 1180 Land Survey II	3
	18
Year 2 Term I	Learning Credits
CIV 2256 Civil Software Applications	3
CIV 2257 Environmental Engineering	3
CON 2255 Construction Engineering II	3
CON 2260 Engineering Management II	3
ENF 2250 Fluid Mechanics	3
STS 2260 Statistics and Applied Research I	3
	18
Year 2 Term II	Learning Credits
CIV 2260 Highway Design	3
CIV 2262 Structural Design I	6
CIV 2271 Water Resources Design	3
CIV 2274 Infrastructure Design	3
CIV 2275 Structural Design II	3
RSR 2265 Applied Research II	1.5
	19.5
Year 2 Term III - (OPTIONAL)	Learning Credits
CIV 2298 Work Experience	1.5

Civil Engineering Technology Continued

Note: Students must meet certain health and safety requirements for graduation. These include basic first aid, WHMIS, and TDG. The requirements will vary by program, and it is recommended that they be completed prior to the second year of study.

GRADUATION

Upon successful completion of all program requirements, students are awarded a Civil Engineering Technology diploma.

TRANSFERS

Lethbridge College

Graduates of Civil Engineering Technology may gain a second diploma in Engineering Design and Drafting Technology with an additional 1 ½ years of study (course scheduling permitting).

Athabasca University

Graduates receive 60 credits towards the Bachelor of Science (Post-Diploma) degree or 30 credits towards the three or four-year Bachelor of Management (Post-Diploma) degree or 30 credits towards the three or four year Bachelor of Commerce (Post-Diploma) degree.

University of Alberta

Civil Engineering diploma graduates with a GPA of 3.5 or higher are eligible for up to one year of transfer credit dependent on appropriate grades and program.

University of Calgary

Graduates of a two-year diploma program will be awarded up to 5 full junior course options.

Lakehead University

Involves one transition summer school followed immediately by entry upon successful completion into the third year Civil Engineering. A fourth year is also required to obtain a degree.

NAIT

Graduates of the Civil Engineering Technology Diploma program with a minimum grade point average of B- or 2.7 on standard grading scales will be conditionally accepted into the BTech (Bachelor of Technology in Technology Management) degree program. Applicants for transfer of credit under this Agreement shall complete all of the requested application procedures of NAIT including, but not limited to, written statements outlining personal objectives, career goals, letters of reference, work experience and community involvement, and such other information as may be requested and used by NAIT to determine whether the applicant complies with the requirements as set out or intended.

SAIT

Graduates of the Lethbridge College Civil Engineering Technology program, with a minimum GPA of 3.0 or higher, are eligible for admission into the third year of SAIT's Bachelor of Science – Construction Project Management degree program. Some bridging courses will be required.

Camosun College/University of British Columbia

Camosun College in Victoria, BC provides a six-month bridging program leading directly to the third year in Civil Engineering at the University of British Columbia.

Griffith University, Australia

Graduates of Lethbridge College's Civil Engineering Technology program are eligible to transfer credit towards the completion of a Bachelor of Engineering (Civil Engineering), at Griffith University, Gold Coast campus. Please visit www.griffith.edu.au/credit for more information.

School of Engineering Technologies

Find out more about other programs offered in this school:

- Engineering Design and Drafting Technologyp.82
- Geomatics Engineering Technologyp.98

lethbridgecollege.ca/programs

College and University Preparation

Program Offices: Main Campus: 403.329.7269 • Crowsnest Pass Campus: 403.563.7041 • Claresholm Campus: 403.625.4231
upgrading@lethbridgecollege.ca • Office of the Program Chair: 403.320.3202 ext. 5308 • Office of the Dean: 403.317.3568

PROGRAM OVERVIEW

The College and University Preparation Program offers learning opportunities through to Grade 12 equivalency on a full-time or part-time basis, and is open to any person who successfully meets Grade 9 standards. College and University Preparation is typically taken by three different student groups: those who want to complete their high school education, those who want to improve their final marks in high school courses, and those who did not take particular high school courses now required for entrance into their post-secondary program of choice.

CAREER OPPORTUNITIES

College and University Preparation courses can lead to many opportunities. Our students have continued into certificate, diploma and degree programs. They have entered professional and apprenticeship programs and have moved on to successful careers. You'll also find that our courses offer a good foundation for beginning employment.

ADMISSIONS

New students are accepted into the College and University Preparation program for courses beginning in the Fall (September) and Winter (January) terms and, in Lethbridge, for the Summer (May) term as well.

GENERAL ADMISSION REQUIREMENTS

All applicants must meet the general admission requirements for Lethbridge College programs, as indicated in the Admission section of this calendar.

ACADEMIC REQUIREMENTS

The College and University Preparation program is open to any person who has the desire and the academic skills to be successful at a selected course level. Admission is based on academic background, skills assessment and advisement.

YOUR INVESTMENT

Program fees will vary. To view fee information, go to www.lethbridgecollege.ca/programs and select your program.

CURRICULUM

Students register in courses that fit their career goals on the recommendation of the Lethbridge College advising team. Transcripts and placement testing determine the course level placement. All upgrading students are eligible to take COL and CPU courses at any time.

Course offerings may be subject to change. All courses are available face-to-face given sufficient enrolment. Courses below the 0060 level are not available at the main campus.

BIO 0085	Biology 0085	5
BIO 0095	Biology 0095	5
CHM 0085	Chemistry 0085	5
CHM 0095	Chemistry 0095	5
ENG 0063	English Basics	5
ENG 0070	English 0070	5
ENG 0080	English 0080	5
ENG 0085	English 0085	5
ENG 0090	English 0090	5
ENG 0095	English 0095	5
MTH 0060	Mathematics 0060	5
MTH 0075	Mathematics 0075	5
MTH 0085	Mathematics 0085	5
MTH 0092	Mathematics 0092	5
MTH 0095	Mathematics 0095	5
MTH 0097	Introduction to Calculus	5
PHY 0085	Physics 0085	5
PHY 0095	Physics 0095	5
RDG 0075	Developing Reading Efficiency	5
RDG 0085	Reading 0085	5
RDG 0096	College Reading Essentials	5
SCI 0075	Science 0075	5

HIGH SCHOOL EQUIVALENCIES

College and University Preparation courses satisfy post-secondary program entrance requirements as substitutes for Grade 12 level courses. No provincial departmental exams are required. The course numbering designates grade levels:

Courses numbered 0070-0079 parallel Grade 10 level courses.

Courses numbered 0080-0089 parallel Grade 11 level courses.

Courses numbered 0090-0099 parallel Grade 12 level courses.

For further details, consult the Alberta Council on Admissions and Transfer (ACAT) guide or talk to an Advisor.

COURSE DELIVERY OPTIONS

Our courses are offered in a variety of formats. The format in which a course is offered may change at short notice, depending on enrolments and student needs.

The current delivery formats are:

Online • You will complete the entire course using the online environment.

Blended • You will be required to participate in both face-to-face and online components in a blended course. The amount of required face-to-face time varies by course section.

Face-to-face • You will attend class at a scheduled time and location. An instructor will be physically present to assist you.

REGISTRATION CHANGES

Course registrations or "add/drops" must be carried out in consultation with an Academic Advisor and sponsorship supervisor, if applicable. It is the student's responsibility to register for and maintain credit minimums as required for sponsorship and to ensure their registration is sufficient to meet their sponsoring agencies' requirements.

GRADUATION

Students in the College and University Preparation program who accumulate at least 18 credits in academic courses are eligible to receive a Credential of Achievement. To qualify, students must take four courses numbered 0090 through 0099, including at least one English course, and achieve a minimum grade point average of 1.50.

TRANSFER

Courses numbered at any of the 0070, 0080, or 0090 levels in this program are accepted in lieu of high school courses for admission at Alberta's universities, colleges, and technical institutes, as well as at most colleges and universities in the United States. However, students do not receive high school credits towards a diploma from Alberta Education. Lethbridge College issues its own grades and its own credential.

Commercial Vehicle Enforcement

Program Office: 403.320.3418 • infojustice@lethbridgecollege.ca
 Program Administrator: 403.329.7230 • Office of the Dean: 403.317.3568

PROGRAM OVERVIEW

Our Commercial Vehicle Enforcement program can be the key you need to get on the road to a rewarding and meaningful career.

Transportation of goods and passengers by commercial vehicles is an important element in the success of Canadian businesses and industries. Helping commercial vehicle operators to be successful and ensuring our roads and highways remain safe for everyone is the vital role played by Commercial Vehicle Enforcement Officers.

Combine your education or work experience in:

- Law enforcement/criminal justice
- Conservation enforcement

with our Commercial Vehicle Enforcement program and in less than three months, you'll have the education you need to pursue a meaningful and rewarding career as a Commercial Vehicle Enforcement Officer.

This program is also open to those in the transportation industry, such as owners, safety supervisors or other employees. You can benefit by taking some or all of our commercial vehicle courses. Take the same courses used to train Commercial Vehicle Enforcement Officers and stay updated on the latest regulations and laws.

CAREER OPPORTUNITIES

The need for qualified officers is strong. Earning your certificate will greatly increase your chances of employment with commercial vehicle enforcement agencies across Canada, such as:

- Alberta Commercial Vehicle Enforcement Branch
- Saskatchewan Highway Transport Patrol

Please check with your local jurisdictions for their hiring requirements and qualifications.

ADMISSIONS

New students are accepted into the Commercial Vehicle Enforcement program in the Summer term.

GENERAL ADMISSION REQUIREMENTS

All applicants must meet the general admission requirements for Lethbridge College programs, as indicated in the Admission section of this calendar.

MEDICAL REQUIREMENTS

Although no physical requirements are placed on applicants for entry to the program, applicants are required to take a medical examination to ensure that their cardiovascular system is suitable to undertake strenuous exercise.

YOUR INVESTMENT

Program fees will vary. To view fee information for your program, go to www.lethbridgecollege.ca/programs and select your program.

CURRICULUM

	Learning Credits
CJP 1163 Human Relations for Commercial Vehicle Enforcement	3
TRS 1165 Transport Law	3
ENG 1146 Technical Report Writing for Commercial Vehicle Enforcement Officers	3
PED 1153 Training & Personalized Fitness (OL)	1.5
OR	
*TRS 1151 Officer Safety	6
TRS 1150 Transport Legislation	3
TRS 1152 Licensing	3
TRS 1160 Hours of Service Legislation	3
TRS 1155 Weights & Dimensions	3
TRS 1153 Cargo Securement	3
	25.5 or 30

(OL) indicates courses which are also available through Online Learning.

* **Note:** Employees of Alberta Justice and Solicitor General must enroll in this course. External applicants and current Criminal Justice students will enroll in the alternative course.

GRADUATION

Upon successful completion of all program requirements, students are awarded a certificate in Commercial Vehicle Enforcement.

School of Public Safety

Find out more about other programs offered in this school:

- Police Recruit Trainingp.112

lethbridgecollege.ca/programs

Community Health Promotion

(Available Online Delivery Only)

Program Office: 403.320.3310 • chp@lethbridgecollege.ca
Office of the Chair: 403.320.3202 Ext. 5449
Office of the Dean: 403.320.3403

PROGRAM OVERVIEW

This program prepares qualified, competent and credentialed healthcare workers for employment opportunities within, or as a liaison between, First Nation Communities and Provincial Health Services. Graduates of this program will have an understanding of the provincial and federal healthcare systems and First Nations, Metis and Inuit (FNMI) and indigenous cultures and practices, highlighting FNMI and western cultural parallels. Their work will focus on health promotion and the prevention of injury, illness, disease, and disability. Foundational to their practice is the concept of applying community solutions to community challenges, accomplished by identifying the needs of individuals, families, groups and communities, community resources and strengths, and initiating and facilitating programs based on needs.

With the exception of the Cultural Seminar and Community Health Promotion Practice I and II, these programs are offered through online delivery.

Graduates of the Community Health Promotion diploma program would be able to demonstrate all of the learning outcomes identified for the certificate program, plus they will be able to demonstrate outcomes that focus on families, larger groups, community health, project management and research.

Students electing to complete the program on a part-time basis must contact the CHP program to plan their program progression.

CAREER OPPORTUNITIES

- Community Health Representatives
- Aboriginal Liaison Workers
- Community Health Promotion Workers

ADMISSIONS

New students are accepted into the Community Health Promotion certificate program for the Winter (January) term.

New students are accepted into the Community Health Promotion diploma program for the Fall (September) term.

GENERAL ADMISSION REQUIREMENTS

All applicants must meet the general admission requirements for Lethbridge College programs, as indicated in the Admission section of this calendar.

ACADEMIC REQUIREMENTS

In addition to meeting the general admission requirements indicated in the Admission section of this calendar, applicants to this program must also satisfy the following specific course requirements:

- Grade 12 biology
 - Grade 11 math (equivalent to Alberta's Math 20-2 or a higher level math)
- OR
- Successful completion of Portage College's Community Health Representative (CHR) certificate (or equivalent).

Applicants are required to have successfully completed a Community Health Promotion certificate from Lethbridge College or Northern Lakes College in order to enter the Community Health Promotion diploma program.

Note: Students seeking PLAR (Prior Learning Assessment & Recognition) for any course(s) should contact the Program Chair immediately upon admission to the program to allow sufficient time for assessment.

PRACTICE BASED EXPERIENCE (PBE) REQUIREMENTS

This program has a required Practice-Based Experience (PBE) component. The College dictates the legal terms and conditions governing the PBE.

Students must meet and maintain certain requirements to participate in the PBE setting as determined by programs, practice agencies and/or legislated by government bodies. These may include health (e.g. immunizations, screening tests, etc.), privacy and security (e.g. police information check, IT access, etc.), and OH&S requirements (e.g. CPR certification, Fire Safety, WHMIS, Mask Fit-testing, etc.).

As a post-secondary health care program in Alberta, provincial immunization standards apply to students in this program. As per the provincial "Standard for Immunization of Post-Secondary Health Care Students and Students in Other High-Risk Occupational Programs", all Post-Secondary Institutions (PSI) have the responsibility of assessing the immunization status of each healthcare student at the time of initial enrollment and to ensure all healthcare students are fully immunized before leaving post-secondary programs. There is an administrative fee for this assessment and vaccinations required to become fully immunized.

Workers' Compensation Board (WCB) coverage – PBE placement agencies and employers usually require WCB coverage on behalf of the student. Students enrolled in post-secondary institutions in Alberta are deemed to be employees of the Province of Alberta and, as such, provided WCB coverage. In certain instances, for students outside of Alberta, WCB coverage may not be provided (e.g. non-Alberta residents taking a course solely through distance learning with a PBE placement outside of Alberta). These students are advised to contact the program prior to application.

PBE sites will include Lethbridge and may include surrounding rural communities. PBE's may include day, evening, and/or weekend schedules. Students will be expected to travel to assigned sites and will be responsible for arranging travel and any associated costs.

YOUR INVESTMENT

Program fees will vary. To view fee information for your program, go to lethbridgecollege.ca/programs and select your program.

Community Health Promotion Continued

CURRICULUM

Note: Students completing CHP 1155 (Community Health Promotion Practice I) will be required to complete a one week on-campus component for skills competency acquisition prior to commencing practicum placement.

CERTIFICATE

Year 1 Term I Learning Credits

BIO 1178	Essentials of Anatomy and Physiology (OL)	6
CHP 1150	Cultural Seminar	1.5
CHP 1151	Healthcare & Health Promotion	
	FNMI Populations (OL)	3
ENG 1150	Composition (OL)	3
NAT 1150	Exploring FNMI Perspectives (OL)	3
		16.5

Year 1 Term II

BIO 1156	Wellness and Health Issues (OL)	3
BIO 1179	Introduction to Pathophysiology (OL)	3
CHP 1152	Basics of Health Promotion	
	Practice (OL)	3
COM 1162	Interpersonal Relationships	
	and Communications (OL)	3
PSY 1160	Introduction to Psychology (OL)	3
		15

Year 1 Term III

CHP 1155	Community Health Promotion Practice I	3
		3

DIPLOMA

Year 2 Term I Learning Credits

CHP 2250	Community Health Promotion Across the Lifespan (OL)	3
HUM 1155	Ethics (OL)	3
NAT 2250	Aboriginal Education for Professional Engagement (OL)	3
PSY 1170	Human Development Across the Lifespan (OL)	3
RSR 2254	Research Methodology for Health and Social Sciences (OL)	3
		15

Year 2 Term II

CHP 2251	Community Mental Health & Addictions (OL)	3
CHP 2252	Community-Based Health Interventions (OL)	6
SOC 1160	Introduction to Sociology (OL)	3
SOC 2273	Multicultural Issues (OL)	3
		15

Year 2 Term III

CHP 2255	Community Health Promotion Practice II	3
----------	--	---

(OL) Course is also available through Online Learning.

GRADUATION

Upon successful completion of Year 1 requirements, students are awarded a Community Health Promotion certificate.

Upon successful completion of Year 2 requirements, students are awarded a Community Health Promotion diploma.

TRANSFERS

Northern Lakes College

The Community Health Promotion certificate and individual courses within the certificate and diploma programs will be recognized as transferable from and to Northern Lakes College's Community Health Promotion programs.

University of Calgary

Graduates of a two-year diploma program will be awarded up to 5 full junior course options.

University of Lethbridge

Graduates of the Community Health Promotion diploma are eligible to be admitted into the University of Lethbridge's Post-Diploma Bachelor of Health Sciences degree program for completion of their Bachelor of Health Sciences degree.

School of Allied Health

Find out more about other programs offered in this school:

- Health Care Aidep.100
- Medical Device Reprocessingp.106
- Unit Clerk Trainingp.120

lethbridgecollege.ca/programs

Computer Information Technology

Program Office: 403.320.3213 • cit@lethbridgecollege.ca

Office of the Program Chair: 403.320.3202 Ext. 5375

Office of the Dean: 403.320.3318

PROGRAM OVERVIEW

Success in information technology includes programming skills and much more. Our two-year diploma program in Computer Information Technology gives you the grounding in business, communications and technology that you need in order to manage and build information systems.

Accredited by the Canadian Information Processing Society (CIPS), our intensive, integrated program will show you how information systems actually work. Working in small teams, you'll tackle hands-on projects ranging from trouble-shooting hardware to software development, networking, web development, e-commerce, and information systems management. You will balance these technology skills with course work in business and communications, and we'll give you the opportunity to demonstrate your abilities in practical projects. You will work on web development for a not-for-profit organization and spend time in a workplace-based practicum with an organization of your choice. And, you finish the program with a real-life system project for a real-life client.

Managing information has never been more important and information technology professionals have never been more in demand. With its comprehensive introduction to the industry and its opportunities, our diploma in Computer Information Technology won't just show you how to build an information system – it will show you how to build a career.

CAREER OPPORTUNITIES

- Programmer Analyst
- Software Developer
- Database Designer/Developer
- Software Testing Specialist
- Information Systems Project Manager
- Business and Systems Analyst
- Web Developer and Administrator
- Network Analyst/Technician
- IT Support Specialist
- Computer Service Technician
- GIS Developer
- Mobile App Developer

ADMISSIONS

New students are accepted into the Computer Information Technology

program for the Fall (September) term. Students wishing to commence in the Winter (January) term may take courses in a revised sequence based on course availability. This admission results in a five-term curriculum for the completion of the diploma.

GENERAL ADMISSION REQUIREMENTS

All applicants must meet the general admission requirements for Lethbridge College programs, as indicated in the Admission section of this calendar.

ACADEMIC REQUIREMENTS

In addition to meeting the general admission requirements indicated in the Admission section of this calendar, applicants to this program must also satisfy the following specific course requirements (or equivalencies):

- Grade 12 math (equivalent to Alberta's Math 30-2 or a higher level math)

Note: Due to workload in this program, students are encouraged to evaluate their external commitments or consult with an advisor about alternate program sequencing. Students who plan to continue their studies through various university programs may be required to take specific electives. Please see information under "Transfers" for specifics.

A number of physical education courses are allowed in recognition of the need to promote a healthy lifestyle.

PRACTICUM EXPERIENCE REQUIREMENTS

There is a required practicum component to this program. The College dictates the legal terms and conditions governing the practicum experience.

INDUSTRY SUITABILITY

Prospective students should be aware of the following job-related physical demands: standing or sitting for long periods of time, intense visual concentration, and some lifting and carrying.

YOUR INVESTMENT

Program fees will vary. To view fee information for your program, go to www.lethbridgecollege.ca/programs and select your program.

CURRICULUM

Year 1 Term I	Learning Credits
BUS 1170 Introduction to Management	3
CIT 1152 Computer Hardware Maintenance	3
CIT 1154 Computer Programming I	3
CIT 1157 HTML and Web Publishing	3
MTH 1152 Mathematics for CIT	3
	15

Year 1 Term II

CIT 1156 Computer Programming II	3
CIT 1158 Computer Networking I	3
CIT 1163 Database Management Systems	3
CIT 2268 User-Centred Interface Design	3
ENG 1168 Business Communication *	3
	15

* The combination of ENG-1156 and PRS-1155 is considered an acceptable alternative for ENG-1168.

Year 2 Term I

ACC 1170 Financial Accounting I	3
CIT 2255 Computer Networking II	3
CIT 2265 Web Programming	3
CIT 2270 IT Integration Seminar	1.5
CIT 2275 Systems Analysis and Design I	3
Approved Elective (One elective must be CIT 2260 or CIT 2269)	3
	16.5

Year 2 Term II

CIT 2259 Computer Networking III	3
CIT 2262 Operating Systems Theory	1.5
CIT 2263 Introduction to Linux	1.5
CIT 2271 IT Fieldwork	3
CIT 2276 Systems Analysis and Design II	3
MKT 1188 Introduction to Marketing	3
Approved Elective (One elective must be CIT 2260 or CIT 2269)	3
	18

Computer Information Technology Continued

YEAR 2 APPROVED ELECTIVES

	Learning Credits
ACC 1175 Financial Accounting II	3
ACC 2250 Management Accounting I	3
ACC 2271 Intermediate Financial Accounting I	3
ACC 2278 Computerized Accounting for Management	3
BUS 1166 Business Law	3
BUS 1168 Management Communication	3
BUS 1176 Financial Planning	3
BUS 1177 Entrepreneurship	3
*BUS 2268 Organizational Behavior	3
BUS 2275 International Business	3
BUS 2278 Industrial & Labor Relations	3
CIT 2260 Algorithms and Problem Solving	3
CIT 2269 Mobile App Development	3
CMM 1185 The Principles of Animation	3
COM 1155 Customer and Team Relations	1.5
COM 1157 Professional Communication	3
COM 1158 Leadership Communication Skills	1.5
COM 1159 Applied Interpersonal Communication	3
COM 1162 Interpersonal Relationships and Communication (OL)	3
CPU 1165 Designing Spreadsheet Applications	3
DES 1155 Graphic Design	3
ECN 1180 Microeconomics	3
ECN 2253 Macroeconomics	3
HUM 1150 Logic	3
HUM 1155 Ethics (OL)	3
HUM 1158 Creative Problem-Solving	3
HUM 1165 Introduction to Archaeology	3
HUM 1180 Introduction to World Religions (OL)	3
HUM 1190 Popular Culture	3
HUM 1195 Cultural Anthropology	3
IND 2251 Independent Study	1.5
IND 2252 Independent Study	1.5
PED 1160 Weight Training and Exercise	1.5
PED 1162 Intro to Leisure Activities & Sports	1.5
PED 1170 Volleyball	1.5
PED 1173 Basketball	1.5
PRS 1155 Speech (OL)	3
STS 2250 Statistics	3

* BUS 2268 is required for students wishing to transfer to the University of Lethbridge Bachelor of Management program.

(OL) indicates courses which are also available through Online Learning.

GRADUATION

Upon successful completion of all program requirements, students are awarded a Computer Information Technology Diploma.

TRANSFERS

University of Lethbridge

Graduates of Lethbridge College's CIT diploma are eligible to receive two years' credit towards a University of Lethbridge Post Diploma Bachelor of Science (Computer Science) degree, provided that a cumulative grade point average of at least 2.5 is achieved in the CIT program. Students will be required to take an additional 20 courses at the U of L. In order to access this program, students are encouraged to complete CIT 2260 at the College.

Graduates of Lethbridge College's CIT diploma are eligible to receive two years' credit towards a University of Lethbridge Post Diploma Bachelor of Management degree, provided that a cumulative grade point average of at least 3.0 is achieved in the CIT program. Students will be required to take an additional 25 courses at the U of L. Please see an Academic Advisor, and visit www.uleth.ca for more information.

Athabasca University

Graduates of Lethbridge College's CIT program are eligible to receive up to 60 credits towards a Bachelor of Science in Computing and Information Systems (Post-Diploma) or Bachelor of Science (Post-Diploma) degree. Graduates are eligible to receive 30 credits towards a three or four-year Bachelor of Management (Post-Diploma) degree. Visit www.athabascau.ca for more information.

University of Calgary

Graduates of a two-year diploma program will be awarded up to 5 full junior course options.

NAIT

Graduates of the Computer Information Technology Diploma program with a minimum grade point average of C+ or 2.3 on standard grading scales will be conditionally accepted into the BTech (Bachelor of Technology in Technology Management) degree program. Applicants for transfer of credit under this Agreement shall complete all of the requested application procedures of NAIT including, but not limited to, written statements outlining personal objectives, career goals, letters of reference, work experience and community involvement, and such other information as may be requested and used by NAIT to determine whether the applicant complies with the requirements as set out or intended.

Griffith University - Queensland, Australia

Graduates of Lethbridge College's Computer Information Technology program are eligible to transfer credit towards the completion of a Bachelor of Information Technology Degree at Griffith University, located in Australia. This degree can be completed at Griffith in three (3) semesters. Please visit www.griffith.edu.au/credit for more information.

Minot University, North Dakota

CIT graduates are eligible to receive two years transfer credit towards a Bachelor of Applied Science majoring in Business Information Technology from Minot University.

School of Business

Find out more about other programs offered in this school:

- Administrative Office Professional.....p. 36
- Business Administration.....p. 52

lethbridgecollege.ca/programs

Conservation Enforcement - Bachelor of Applied Science

Program Office: 403.382.6991 • envisci@lethbridgecollege.ca
Office of the Chair: 403.320.3232
Office of the Dean: 403.317.3597

PROGRAM OVERVIEW

Experience! That's what makes our Bachelor of Applied Science in Conservation Enforcement special. At Lethbridge College, we have more than 25 years of experience in preparing people for a career in natural resource law enforcement -- and our degree program is the only one of its kind in Canada.

Receive instruction in the natural and physical sciences, renewable resource management and law enforcement techniques through a blend of classroom theory, lab exercises and work site experience. Emphasis is placed on practical learning opportunities where you'll gain valuable hands-on experience in problem wildlife management, investigations, park operations and resource law enforcement.

Your campus learning is reinforced during an eight month directed field study (practicum). This extensive applied learning opportunity is unique to our Bachelor of Applied Science in Conservation Enforcement degree. While on campus, you'll also pursue a simulated resource enforcement violation 'from report to court' where evidence is collected, statements are taken, search warrants are executed, and documents are prepared.

Where will your degree in Conservation Enforcement take you? Graduates of the Bachelor of Applied Science in Conservation Enforcement program have the necessary academic knowledge and applied skills in natural resource law enforcement for successful careers in federal, provincial or municipal agencies, as well as the private sector.

In fact, with Lethbridge College Applied Conservation Enforcement graduates working across Canada, your ambition is the only limit!

CAREER OPPORTUNITIES

- Conservation Officer
- Fishery Officer
- Park Patrol Officer
- Park Ranger
- Environmental Investigator/Inspector
- Municipal Police Officer
- RCMP Officer
- Fish and Wildlife Officer
- Wildlife Investigator
- Pollution Control Officer
- Resource Management Officer

ADMISSIONS

New third-year students, or transfer students with advance standing through completion of a related diploma, are accepted into the program in September of each year for on-campus study.

GENERAL ADMISSION REQUIREMENTS

All applicants must meet the general admission requirements for Lethbridge College programs, as indicated in the Admission section of this calendar.

ACADEMIC REQUIREMENTS

Students who have completed a Natural Resource Compliance Diploma from Lethbridge College will be accepted directly into the Conservation Enforcement - Bachelor of Applied Science. A minimum GPA of 2.00 or equivalent is required for admission.

Transfer students are required to have a diploma in natural resource management or equivalent, or a related bachelor's degree in an area such as resource management, biology, environmental studies or a similar area of study. Transfer students with related credentials will be accepted into the program after being assessed on an individual basis to determine whether they are required to take bridging courses to meet degree outcomes. A minimum GPA of 2.00 or equivalent is required for admission.

EMPLOYABILITY

- Natural Resource Law Enforcement Officer positions have specific physical requirements such as vision, hearing and physical fitness. The specific requirements differ with each agency. It is the applicant's responsibility to confirm that they meet the requirements of the agencies with which they hope to work.
- Persons with a criminal record may have difficulty competing for jobs as Conservation Enforcement Officers in Canada.
- Employers often require that students hold a valid Standard First Aid or Wilderness First Aid Certificate and/or a CPR Certificate to be eligible for seasonal and/ or permanent employment. Students are encouraged to obtain these certificates either prior to entering the program or during the first term.
- A number of workshops and short courses sponsored by various agencies are available on evenings and weekends. Students are encouraged to attend these sessions to enhance their credentials for employment.

YOUR INVESTMENT

Program fees will vary. To view fee information for your program, go to www.lethbridgecollege.ca/programs and select your program.

Students are responsible for the cost of the field trips relating to this program.

SUPPLIES FOR FIELD STUDIES

Students on field studies are expected to provide their own equipment and supplies. This includes: warm sleeping bag, ground sheet and pad, tent may be required (notification will be given at orientation), back pack for gear, adequate clothing for cold/wet weather, hiking boots, work gloves, cooking and eating gear (may be shared), food, binoculars, digital camera (standard feature), orienteering compass, field equipment vest (recommended), "write-in-the-rain" treated field notebook/surveyors book, water bottle, sunscreen, safety glasses (3rd year), 30 cm metric steel ruler.

Conservation Enforcement - Bachelor of Applied Science Continued

Field studies schedules are dependent on many variables and may require students to participate on weekends. All program field studies require mandatory attendance.

OTHER REQUIRED SUPPLIES

Available from Lethbridge College Bookstore: Lab coat, safety glasses, Douglas protractor, "write-in-the-rain" treated field notebook/surveyors book, 16X hand lens, dissection kit, metric triangular scale with 1:20, 1:25, 1:50, 1:75, 1:100 and 1:125 graduations.

Available from Sporting, Hardware, and Office Supply Stores: Nexus Type 115 or Silva Ranger compass (with declination adjustment screw), clipboard, 4 GB or higher USB memory stick, chest waders, scientific calculator (\$15 - \$30 range), 12 or more coloured pencils (pencil crayons), binoculars (8 X 40 or 10 X 50 magnification), 30 cm metric steel ruler.

For additional information concerning supplies, contact the lab coordinator at 403.320.3202, Extension 5594.

CURRICULUM

Years 1 and 2 (See Natural Resource Compliance Diploma)

Year 3 Term I Learning Credits

CEN 3354	Administrative Procedures	3
CEN 3357	Environmental Compliance Techniques	3
CEN 3369	Environmental Investigations	3

Students focusing on the Environmental Monitoring and Compliance specialty will complete the following courses:

ENV 3381	Environmental Water Quality	3
ENV 3397	Environmental Assessment and Auditing	3

Students focusing on the Fish, Wildlife and Parks specialty will complete the following courses:

CEN 3352	Parks and Protected Areas	3
CEN 3389	Problem Wildlife Management Techniques	3
		15

Year 3 Term II Learning Credits

CEN 3379	Case Management	3
CEN 3374	Environmental Law	3
CEN 3390	Issues in Resource Enforcement	3
CJP 2287	Crisis Intervention (OL)	3

Students focusing on the Environmental Monitoring and Compliance specialty will complete the following course:

ENV 2280	Contaminant Management	3
----------	------------------------	---

Students focusing on the Fish, Wildlife and Parks specialty will complete the following course:

SOC 3355	Cultural Diversity in Conservation Enforcement	3
		15

Year 4

Students are eligible to register in Directed Field Studies courses after successful completion of Year 3. Students must complete a Summer and a Fall term of Directed Field Studies earning a total of 30 learning credits through completion of the following courses:

Required Courses		
CEN 4455	Field Enforcement	6
CEN 4460	Community Involvement	3
CEN 4480	Administrative Techniques	3
CEN 4491	Senior Enforcement Project	6
CEN 4496	Independent Study	6

Students focusing on the Environmental Monitoring and Compliance specialty will complete the following courses:

CEN 4470	Habitat Protection	3
CEN 4485	Program Management	3

Students focusing on the Fish, Wildlife and Parks specialty will complete the following courses:

CEN 4465	Hazard Assessment and Public Safety	3
CEN 4475	Problem Wildlife Field Techniques	3

*Indicates field studies (OL) indicates courses which are also available through Online Learning.

Special note about field studies:

Students are off-campus completing field studies during most of September and April. In the Fall term, field studies are in September, while in the Winter term, field studies are scheduled in April.

Students will be expected to complete non-credit environmental field techniques courses as part of the requirement to complete the program. Courses such as firearms safety, loading and backing trailers, and basic first aid will occur as part of field trip season activities.

Students will be responsible for the fees associated with these courses. Prior valid training possessed by students will be considered for recognition.

GRADUATION

Upon successful completion of all program requirements, students are awarded a Bachelor of Applied Science in Conservation Enforcement degree.

School of Environmental Sciences

Find out more about other programs offered in this school:

- Ecosystem Management - Bachelor of Applied Science.....p.78
- Environmental Assessment and Restorationp.85
- Natural Resource Compliancep.109
- Renewable Resource Managementp.115

lethbridgecollege.ca/programs

Correctional Studies

Program Office: 403.329.7246 • infojustice@lethbridgecollege.ca
Office of the Chair: 403.382.6932 • Office of the Dean: 403.317.3568

PROGRAM OVERVIEW

Our practical two-year Correctional Studies diploma program gives you skills and knowledge for a career in corrections, young offender work, and related occupations. With an increasing offender population and the need for leadership and programming, this field offers exciting career opportunities assisting and supervising those who are serving a sentence as a result of conflict with the law.

You'll work in small classes with considerable one-to-one instructor contact. We give you insight into topics including interpersonal communication, criminology, psychology, correctional law, casework methods, diversity, interviewing, offender classification and crisis intervention, as well as the hands-on skills required to work in this complex and changing field. You develop your critical thinking and reasoning skills in practical exercises, and you have the opportunity to experience real-world correctional environments with a practicum experience.

At the end of the program, you'll understand how you can help troubled people take responsibility for their own lives. You'll have a valuable combination of knowledge and hands-on experience. More importantly, you will be a valuable asset to correctional systems looking for qualified, capable people. The diploma in Correctional Studies is an excellent starting point for a rewarding and challenging career.

All courses in the Correctional Studies diploma program are available through Online Learning.

CAREER OPPORTUNITIES

Your Correctional Studies diploma will prepare you for work throughout the criminal justice system. Examples are:

- Federal Correctional Officer
- Provincial Correctional Officer
- Youth Worker
- Probation Officer
- Parole Officer
- Youth Probation Officer
- Border Services Officer
- Commercial Vehicle Enforcement Officer

ADMISSIONS

New students are accepted into the Correctional Studies program in the Fall (September) and Winter (January) terms for on-campus and online study. Online Learners can also apply for the Summer (May) term.

GENERAL ADMISSION REQUIREMENTS

All applicants must meet the general admission requirements for Lethbridge College programs, as indicated in the Admission section of this calendar.

PRACTICUM EXPERIENCE REQUIREMENTS

There is an elective practicum component to this program. The College dictates the legal terms and conditions governing the practicum experience.

Applicants are advised they will be required to undergo a Criminal Record Check prior to enrolling in the practicum. The existence of a criminal record may affect practicum placement and future employment prospects. The agencies reserve the right to determine who is considered a suitable candidate.

MEDICAL REQUIREMENTS

Although no physical requirements are placed on applicants for entry to the program, applicants should ensure through a medical examination that their cardiovascular system is suitable to undertake fitness-related exercise.

YOUR INVESTMENT

Program fees will vary. To view fee information for your program, go to www.lethbridgecollege.ca/programs and select your program.

CURRICULUM

Year 1 Term I	Learning Credits
CJP 1160 Introduction to the C.J. System (OL)	3
COM 1159 Applied Interpersonal Communication (OL)	3
ENG 1175 Writing in the Public Safety Industry (OL)	3
PED 1157 Health, Wellness and Personal Fitness (OL)	1.5
PRS 1172 Effective Presentation & Speech (OL)	3
SOC 1160 Introduction to Sociology (OL)	3
	16.5
Year 1 Term II	
CJP 1183 Diversity Issues in Criminal Justice (OL)	3
COR 1152 Fundamentals of Corrections (OL)	3
COR 1153 Career Development Strategies (OL)	1.5
COR 1154 Suicide Prevention (OL)	1.5
COR 1180 Youth in the Justice System (OL)	3
LAW 1172 Law for Corrections (OL)	3
PSY 1160 Introduction to Psychology (OL)	3
	18
Year 2 Term I	
CJP 2281 Conflict Management (OL)	3
COR 2253 Correctional Classification (OL)	3
COR 2262 Drugs in Corrections (OL)	3
COR 2290 Correctional Practices (OL)	3
SOC 2255 Offenders with Special Needs (OL)	3
Approved Elective	3
	18
Year 2 Term II	
CJP 2278 Criminology (OL)	3
COR 2277 Corrections Administration (OL)	3
COR 2279 Correctional Casework and Counselling (OL)	3
COR 2287 Crisis Resolution (OL)	3
Approved Elective	3
	15

Correctional Studies Continued

Choose electives from the following list.
 Note: If it is your intention to pursue a career in a public safety organization which requires fitness testing for employment purposes, it is highly recommended you take the PED2255 (Physical Readiness Training for Public Safety) elective.

BUS 1170	Introduction to Management	3
BUS 2278	Industrial and Labour Relations	3
CJP 1178	Individuals with Disabilities (OL)	3
CJP 2280	Intro to Commercial Vehicle Enforcement (OL)	3
FWK 2272	Corrections Practicum I (OL)	3
FWK 2273	Corrections Practicum II (OL)	3
HUM 1150	Logic	3
HUM 1180	Introduction to World Religions (OL)	3
HUM 1190	Popular Culture	3
HUM 1195	Cultural Anthropology	3
NAT 1155	Introduction to Native American Studies	3
PED 2255	Physical Readiness Training for Public Safety	3
PSY 1170	Human Development across the Lifespan (OL)	3
PSY 1171	Child Growth and Development (OL)	3
PSY 1177	Psychology of Aging (OL)	3
PSY 1179	Adolescent Development (OL)	3
PSY 2253	Child Psychopathology (OL)	3
PSY 2260	Abnormal Psychology (OL)	3
PSY 2270	Introduction to Personality Theory	3
PSY 2275	Forensic Psychology	3
PSY 2280	Social Psychology	3
PSY 2290	Brain and Behaviour	3
SOC 1167	Sociology of Aging (OL)	3
SOC 1170	Introduction to Social Work	3
SOC 2276	Sexuality	3

(OL) indicates courses which are also available through Online Learning.

GRADUATION

Upon successful completion of all program requirements, students are awarded a diploma in Correctional Studies.

Note: Employing agencies may have additional requirements such as a valid driver's license, Standard First Aid and CPR. Learners are encouraged to maintain their credentials in these areas so that they are current at time of graduation.

TRANSFERS

Lethbridge College

Graduates of the two-year Correctional Studies diploma who choose to enter the Bachelor of Applied Arts - Justice Studies degree program at Lethbridge College will get two full years of credit towards the degree. Courses are provided on campus or through distributed/online learning. Details regarding this program can be found in this calendar and on the Lethbridge College website.

Athabasca University

Lethbridge College graduates can continue into a Bachelor of Professional Arts majoring in Criminal Justice or a Bachelor of Professional Arts in Governance, Law and Management from Athabasca University. This is a four-year degree program offered in partnership with Athabasca University and Lethbridge College. Entrance to the degree depends on successful completion of the Criminal Justice diploma or equivalent.

University of Calgary

Graduates of a two-year diploma program will be awarded up to 5 full junior course options.

Griffith University, Australia

Correctional Studies diploma graduates may enter into the third semester of the Bachelor of Criminology and Criminal Justice degree at Griffith University, Mt. Gravatt campus. Please visit www.griffith.edu.au/credit for more information.

School of Justice Studies

Find out more about other programs offered in this school:

- Criminal Justice - Policingp.70
- Justice Studies - Bachelor of Applied Artsp.102

lethbridgecollege.ca/programs

Criminal Justice - Policing

Program Office: 403.329.7246 • infojustice@lethbridgecollege.ca
Office of the Program Chair: 403.382.6932 • Office of the Dean: 403.317.3568

PROGRAM OVERVIEW

Policing is many careers in one. At Lethbridge College, we have over 45 years' experience giving people the skills and knowledge they need to succeed in policing. Our practical, two-year diploma program in Criminal Justice will prepare you for a satisfying career in this field.

You will work in small classes and learn from instructors with policing experience. Our courses give you a solid introduction to topics including criminal and procedural law, introduction to the criminal justice system, psychology and criminology. You obtain hands-on experience in important areas like interviewing, report writing, note taking, and investigative techniques.

We will encourage you to take advantage of a wide range of practicum opportunities. You can test your skills in the workplace with practicums in policing, security, corrections, and other related justice fields. You will leave the program with a comprehensive understanding of the criminal justice system and a valuable range of practical skills and abilities. If you have an interest in justice, policing could be the field for you.

All courses in the Criminal Justice-Policing diploma program are available through Online Learning.

CAREER OPPORTUNITIES

There is a growing demand for trained police personnel. Your diploma in Criminal Justice will prepare you for a wide range of employment opportunities, including work with:

- Municipal Police Services
- Provincial Police Services
- Provincial Enforcement Agencies
- Federal Enforcement Agencies such as Canada Border Services
- Emergency Services
- Correctional Agencies
- Security Agencies
- Provincial Protection Agencies

ADMISSIONS

New students are accepted into the Criminal Justice - Policing program in the Fall (September) and Winter (January)

terms for on-campus and online study and also in the Summer (May) term for online study.

GENERAL ADMISSION REQUIREMENTS

All applicants must meet the general admission requirements for Lethbridge College programs, as indicated in the Admission section of this calendar.

NON-ACADEMIC REQUIREMENTS

Applicants are required to review and acknowledge completion of an online information package relating to the entry/suitability requirements for a career in law enforcement.

PRACTICUM EXPERIENCE REQUIREMENTS

There is an elective practicum component to this program. The College dictates the legal terms and conditions governing the practicum experience.

Applicants are advised they will be required to undergo a Criminal Record Check and complete a comprehensive application package if they intend to enroll in a practicum. The existence of a criminal record will affect practicum placement and future employment prospects.

MEDICAL REQUIREMENTS

Although no physical requirements are placed on applicants for entry to the program, applicants should ensure through a medical examination that their cardiovascular system is suitable to undertake strenuous fitness related exercise. In addition, applicants are advised to undergo eyesight/colour vision testing for compatibility with the requirements of employers.

YOUR INVESTMENT

Program fees will vary. To view fee information for your program, go to www.lethbridgecollege.ca/programs and select your program.

CURRICULUM

Year 1 Term I	Learning Credits
CJP 1159 Ethics and Critical Thought (OL)	3
CJP 1160 Introduction to the CJ System (OL)	3
COM 1165 Public Safety Communication & Interpersonal Relationships (OL)	3
ENG 1175 Writing in the Public Safety Industry (OL)	3
LAW 1166 Criminal Procedural Law (OL)	3
PED 1163 Health and Wellness I for Public Safety Careers (OL)	3
	18
Year 1 Term II	
CJP 1157 Preliminary Response and Investigation (OL)	3
CJP 1185 Diverse Populations in Public Safety (OL)	3
CJP 1188 Applied English & Investigative Writing (OL)	3
LAW 1176 Criminal Offences (OL)	3
SOC 1160 Introduction to Sociology (OL)	3
Approved Elective	3
	18
Year 2 Term I	
CJP 2281 Conflict Management (OL)	3
CJP 2288 Investigative Techniques (OL)	3
CJP 2293 Organizational Awareness in Public Safety (OL)	3
COM 2275 Interviewing Methods (OL)	3
LAW 2254 Applied Law (OL)	3
PSY 1160 Introduction to Psychology (OL)	3
	18
Year 2 Term II	
CJP 2278 Criminology (OL)	3
CJP 2287 Crisis Intervention (OL)	3
LAW 2264 Courtroom Procedures (OL)	3
PED 2254 Health and Wellness II for Public Safety Careers (OL)	3
Approved Elective	3
	15

Criminal Justice - Policing Continued

Approved Electives:

CJP 2252	Criminal Justice Practicum (OL)	3
CJP 2280	Intro to Commercial Vehicle Enforcement (OL)	3
CJP 2294	Specialized Policing (OL)	3
CJP 2295	Traffic (OL)	3
CJP 2296	Career Preparation for Public Safety	3
COR 2262	Drugs in Corrections (OL)	3

(OL) indicates courses which are also available through Online Learning.

GRADUATION

Upon successful completion of all requirements, students are awarded a diploma in Criminal Justice - Policing.

Note: Employing agencies have additional hiring requirements such as a valid driver's license, Standard First Aid and CPR. Learners are strongly encouraged to obtain and maintain their credentials in these areas to ensure employment qualifications are met.

TRANSFERS

Lethbridge College

Graduates of the two-year Policing Diploma may choose to enter the Bachelor of Applied Arts in Justice Studies program at Lethbridge College. Courses are provided on campus or through Online Learning.

Athabasca University

Graduates of the Criminal Justice - Policing diploma are eligible to receive 60 credits towards the Athabasca University Bachelor of Professional Arts (BPA) in Human Services or a BPA in Criminal Justice.

Mount Royal University

Graduates of the Criminal Justice - Policing diploma shall receive a block transfer of 66 credits towards a Bachelor of Arts - Criminal Justice degree at MRU.

University of Calgary

Graduates of a two-year diploma program will be awarded up to five (5) full junior course options.

Griffith University, Australia

Criminal Justice - Policing diploma graduates may enter into the fourth semester of the Bachelor of Criminology and Criminal Justice degree at Griffith University, Mt. Gravatt campus. Please visit www.griffith.edu.au/credit for more information.

School of Justice Studies

Find out more about other programs offered in this school:

- Correctional Studiesp.68
- Justice Studies - Bachelor of Applied Artsp.102

lethbridgecollege.ca/programs

Culinary Careers

Program Office: 403.320.3245 • culinary@lethbridgecollege.ca

Office of the Chair: 403.320.3224

Office of the Dean: 403.320.3318

PROGRAM OVERVIEW

Do you enjoy a fast paced social environment? Get on the fast track to a successful and exciting vocation with our Culinary Careers diploma.

With a compressed academic schedule, you can earn your diploma in 16 months and get started on your career path faster. Starting with a foundation in culinary skills and sanitation and safety, you will move through a comprehensive curriculum that lets you learn in a fast, real world environment. You will prepare meals for real customers and demonstrate your new found skills in practical exercises.

This program is designed to provide you with a comprehensive, practical skill base in the concepts of professional cooking, some techniques in menu creation and dining room cuisine. Our hands-on approach provides you with the knowledge you will need to gain successful employment in the food service/hospitality industry.

Training is comprised of four 16-week sections as follows:

- Introduction and Restaurant Production Techniques
- Sweet and Savoury Techniques
- Paid Industry Placement
- Dining Room Cuisine

We provide a flexible approach to start dates for your dining room cuisine term, giving you the opportunity to derive the greatest benefits possible from your paid industry placement experience.

With this combination of classroom theory and extensive hands-on experience, it's no surprise that the Lethbridge College Culinary Careers graduates have achieved a 100% employment rate.

CAREER OPPORTUNITIES

Lethbridge College graduates are employed throughout Canada and abroad in a variety of culinary opportunities including fine restaurants, hotels, cruise ships, catering companies, flight kitchens, hospitals, care facilities, and convention centres.

Opportunities also exist to own and operate your own restaurant or branch out into marketing and product development.

Recent graduates have found employment in the following roles: baker, banquet chef, banquet cook, business owner, caterer, chef, chef de partie, corporate chef, entrepreneur, executive chef, food and beverage manager, food sales representative, instructor, line cook, prep cook, and sous chef.

ADMISSIONS

New students are accepted into the Culinary Careers program for the Fall (September) term with a late August program start date. New students are also accepted in the Winter (January) term.

GENERAL ADMISSION REQUIREMENTS

All applicants must meet the general admission requirements for Lethbridge College programs, as indicated in the Admission section of this calendar.

ACADEMIC REQUIREMENTS

Applicants to this program do not require a high school diploma; however, they must satisfy the following specific course requirements (or equivalencies):

- Grade 10 English
- Grade 10 math

NON-ACADEMIC REQUIREMENTS

All students in the Culinary Careers diploma program must follow the sanitation, hygiene and safety practices standard to the industry and present themselves in the following condition whenever entering any of the food service labs: Students must be clean shaven (moustaches are acceptable), hair must be clean and controlled. Students wear a white uniform, chef hat, apron, and approved footwear.

PRACTICUM EXPERIENCE REQUIREMENTS

There is a required practicum component to this program. The College dictates the legal terms and conditions governing the practicum experience.

MEDICAL REQUIREMENTS

It is strongly recommended that applicants update or complete a personal medical profile and their immunization records prior to entry into the program and employment.

Applicants may be asked to complete a follow-up medical at the discretion of the College Health Centre.

YOUR INVESTMENT

Program fees will vary. To view fee information for your program, go to lethbridgecollege.ca/programs and select your program.

A uniform deposit and laundry fees are also required.

CURRICULUM

Year 1	Learning Credits
COM 1137 Communication Skills	1.5
CUL 1115 Management Controls	3
CUL 1116 Breakfast Soups and Pantry	3
CUL 1117 Vegetables and Farinaceous	3
CUL 1118 Production Skills	6
CUL 1120 Meat Cutting and Meat Cookery	6
CUL 1121 Bakeshop	6
CUL 1122 Stocks and Sauces	3
CUL 1127 Culinary Careers Introduction 3	
	34.5
Year 2	Learning Credits
CUL 2218 Industry Work Placement	1.5
CUL 2201 Food Service Management and Saucier	6
CUL 2207 Lunch Express Entremetier and Nutrition	6
CUL 2208 Buffets and Bakery	6
CUL 2212 Evening Dining and Preparing Proteins	6
CUL 2213 Gala Banquets and Hot Salon	3
	28.5

Important Notes:

1. Diploma students are eligible to apply and write (for a fee) their government apprenticeship exams after Year 1 and Year 2 respectively. This will lead them to qualify to apply and continue on into their third year apprenticeship with the option to write their Red Seal examination when their apprenticeship has been successfully completed.

Culinary Careers Continued

2. Please be advised that the Culinary Careers program start and end dates, as well as exams, fall outside of the dates found in the Academic Schedule.

GRADUATION

Upon successful completion of all program requirements, students are awarded a Culinary Careers diploma.

GRADUATION REQUIREMENTS

In order to receive your diploma, students must have an overall combined (practical and theoretical) average of 80%.

Students, not already employed, will be required to attend Hospitality Recruitment Day where employers come to the College to interview for summer work placements. Past students in our program have achieved 100 percent employment. Summer work place locations vary from resort areas along the Rocky Mountains to local hotels, restaurants, care facilities and catering companies.

Our 16-week dining room cuisine section starts after the Labour Day long weekend each year and again at the beginning of January each year. Our culinary department has an excellent association with over 50 employers in Alberta and further afield who have regularly offered paid employment to our culinary students.

School of Culinary Arts

Find out more about other programs offered in this school:

- Cook Apprenticeshipp.42

lethbridgecollege.ca/programs

Digital Communications and Media

Program Office: 403.320.3267 • digitalcomm@lethbridgecollege.ca

Office of the Chair: 403.320.3202 Extension 5362

Office of the Dean: 403.320.3318

PROGRAM OVERVIEW

At a time when information and entertainment is shared through a myriad of delivery methods, our Digital Communications and Media two-year diploma program prepares you for a career in an evolving world. Select from one of two streams – Digital Journalism or Media Production and Advertising – and you'll find yourself on the leading edge of today's communications field. No matter how it's delivered, content and how we work with it is the key to our unique program.

Students in both streams will focus on three areas when working with content: its creation; presentation, including visual or audio production techniques; and promotion, including advertising and public relations. The intensity of your focus in each area will depend on the stream you follow.

Digital Journalism embraces new technologies, the Internet and social media to reach audiences. You can expect hands-on training both behind and in front of the camera, the microphone, the mobile device and online as you learn to create content that can be delivered in different ways.

Media Production and Advertising will teach you how to take great ideas and share them effectively with the world. You've got something to say and we'll show you how to deliver the message through newspaper, magazine, television, radio and online formats.

Each course in the program offers you a high level of engagement and flexibility that encourages the entrepreneurial spirit common in today's media. Through a mix of teaching methods, you will be trained to meet deadlines, conduct research, create compelling stories and present it all through the most current delivery methods.

Finally, you will take the skills you've acquired and enhance them through a 150-hour practicum experience within the industry. Learn in the field working with professionals who will mentor you through the course.

Successfully completing Digital Communications and Media will prepare you for a career in an exciting field. Our graduates can be found working with companies like Global TV, CTV, Shaw-TV, a host of Canadian daily and weekly newspapers, magazines and corporations. Some with an adventurous spirit have staked out their own careers freelancing around the world.

CAREER OPPORTUNITIES

Your diploma in Digital Communications and Media will prepare you for a wide range of positions working independently or as part of an organization. These careers include:

- Radio/TV Producer/Scriptwriter
- Radio/TV Announcer/News Anchor
- Media Account Representative
- Commercial Writer
- Graphic Designer
- Communications Specialist
- Radio Announcer/Television Anchor
- Digital Journalist
- Copy Editor
- Social Media Content Manager
- Photographer/Videographer
- Video Editor
- Media Production Company Owner

ADMISSIONS

New students are accepted into the Digital Communications and Media program for the Fall (September) term.

GENERAL ADMISSION REQUIREMENTS

All applicants must meet the general admission requirements for Lethbridge College programs, as indicated in the Admission section of this calendar.

PRACTICUM EXPERIENCE REQUIREMENTS

There is a required practicum component to this program. The College dictates the legal terms and conditions governing the practicum experience.

YOUR INVESTMENT

Program fees will vary. To view fee information for your program, go to lethbridgecollege.ca/programs and select your program.

MOBILE LEARNING PROGRAM

This is a Mobile Learning Program that requires students to purchase a mobile device from Lethbridge College complete with program specific software. Go to www.lethbridgecollege.ca/mobilelearning for additional information.

CURRICULUM

Students will share a common first year in the Digital Communications and Media program. This will prepare them for the second year and the requirement for them to select a specialized stream from either Digital Journalism or Media Production and Advertising.

Year 1 Term I	Learning Credits
DCM 1150 Research & Writing for Digital Media	3
DCM 1152 Introduction to Communications	3
DCM 1153 Communication Process	3
DCM 1165 Visual Media	3
DCM 1170 Production Software	1.5
DCM 1171 Digital Audio	1.5
	15
Year 1 Term II	Learning Credits
DCM 1154 Public Relations	3
DCM 1157 Advertising & Marketing for Media	3
DCM 1159 Media Law and Ethics	3
DCM 1163 Broadcast Writing and Producing	3
DCM 1168 Digital Reporting and Publishing	3
	15
Media Production and Advertising Stream	
Year 2 Term I	Learning Credits
DCM 2270 Media Writing I	3
DCM 2271 Media Sales and Promotion	3
DCM 2272 Broadcast Programming & Production	3
DCM 2273 Digital Graphic Design	3
DCM 2274 Media Presentation	3
	15

Digital Communications and Media Continued

Year 2 Term II

DCM 2260 Media Entrepreneurship & Freelance	3
DCM 2275 Media Writing II	3
DCM 2276 Campus Media	3
DCM 2277 Digital Production	6
	15

Year 2 Term III

DCM 2280 Practicum	3
	3

Digital Journalism Stream

Year 2 Term I Learning Credits

DCM 2250 New Reporting & Data Journalism I	3
DCM 2251 Feature Coverage I	3
DCM 2252 News Production I	6
DCM 2253 On-Air Presentation I	3
	15

Year 2 Term II

DCM 2254 News Reporting & Data Journalism II	3
DCM 2255 Feature Coverage II	3
DCM 2256 News Production II	3
DCM 2257 On-Air Presentation II	3
DCM 2260 Media Entrepreneurship & Freelance	3
	15

Year 2 Term III

DCM 2280 Practicum	3
	3

GRADUATION

Upon successful completion of the program, students are awarded a diploma in Digital Communications and Media.

TRANSFERS

University of Calgary

Graduates of a two-year diploma program will be awarded up to five (5) full junior course options.

Royal Roads University

Graduates from the Digital Communications and Media diploma are eligible for full block transfer into the third year of the Bachelor of Arts in Professional Communication, provided all appropriate prerequisite qualifications and all other entrance criteria are met as per program admission requirements (refer to Royal Roads website: www.royalroads.ca) and space remains available in the program. Entrance to all programs at Royal Roads University is on a competitive basis.

Griffith University, Australia

Graduates of Lethbridge College's DCM program are eligible for admissions to receive transfer credit towards the completion of a Bachelor of Public Relations and Communications at Griffith. Students can complete this degree in 3 semesters of study once at Griffith.

School of Media and Design

Find out more about other programs offered in this school:

- Fashion Design and Sustainable Productionp.89
- Interior Design Technologyp.101
- Multimedia Productionp.107

lethbridgecollege.ca/programs

Early Childhood Education

Program Office: 403.320.3393 • humanservices@lethbridgecollege.ca

Office of the Chair: 403.329.7254

Office of the Dean: 403.317.3568

PROGRAM OVERVIEW

Learning through play is central to the healthy development of young children. At Lethbridge College, we have over 20 years of experience showing people how to use art, music and play as key elements in early childhood education. Our flexible one-year certificate and two-year diploma programs in Early Childhood Education (ECE) will give you a comprehensive introduction to child growth, behaviour and development, as well as development through play. You'll also learn about health, nutrition and safety.

Our flexible delivery system may allow you to take courses on-campus or online. We encourage you to develop your abilities in practicum work, focusing on children from birth to six years old. Try out new practices in the ECE demonstration program and develop techniques, materials and resources in our fully equipped curriculum lab.

In fact, your certificate or diploma in Early Childhood Education will give you more than a practical grounding in child development through play. It gives you the knowledge, experience and perspective you need for an enjoyable, successful career working with young children who are developing typically or have special needs.

CAREER OPPORTUNITIES

- Child Care Centres
- Early Learning Programs
- Kindergartens
- Preschool Programs
- Family Group Care Programs
- Schools
- Toy Manufacturers
- Parenting Centres
- Public Education Agencies
- Recreational Facilities

ADMISSIONS

New students are accepted in the Early Childhood Education certificate program for on-campus delivery for the Fall (September) term. Students wishing to enroll for the Winter (January) term may take courses in a revised curriculum based on course availability.

This admission may result in a three term curriculum for the completion of the certificate. Courses are also open on an individual basis for part-time study.

Students completing the certificate or diploma program through online study are accepted for terms beginning Fall (September), Winter (January) or Spring (May). Students choosing this route must contact the ECE program to plan their program.

GENERAL ADMISSION REQUIREMENTS

All applicants must meet the general admission requirements for Lethbridge College programs, as indicated in the Admission section of this calendar.

Applicants are required to have successfully completed a one-year Early Childhood Education certificate or equivalent from a recognized college, in order to enter the Early Childhood Education diploma program.

PRACTICUM EXPERIENCE REQUIREMENTS

There is a required practicum component to this program. The College dictates the legal terms and conditions governing the practicum experience.

Applicants are advised they will be required to provide a Criminal Record Check with a vulnerable sector search before entering the practicum experience component of the program. The existence of a criminal record may affect the practicum placement, program completion and employment prospects.

The consequences of a prior criminal conviction will be examined and discussed on an individual basis if necessary. Students are required to complete practicums in child care centres, preschool programs and/or kindergartens. Every effort is made to provide placements within Lethbridge; however, some placements may occur in the outlying communities. Students who are completing practicum through Online Learning may complete these practicums in their own communities or nearby areas.

PRIOR LEARNING ASSESSMENT

If you have experience working in this field of study, you may be eligible for Prior Learning Assessment (PLA). Please direct your inquiries to the ECE program.

YOUR INVESTMENT

Program fees will vary. To view fee information for your program, go to lethbridgecollege.ca/programs and select your program.

Students are responsible for the cost of the field trips relating to this program.

CURRICULUM

CERTIFICATE

Year 1 Term I	Learning Credits
COM 1162 Interpersonal Relationships & Communications (OL)	3
ECE 1155 Introduction to Early Childhood Education (OL)	3
ECE 1160 Observation and Recording (OL)	3
ECE 1162 Creative Experiences I (OL)	3
ECE 1180 Field Placement I (OL)	1.5
ENG 1150 Composition (OL)	3
OR	
ENG 1190 Introduction to Language & Literature	3
PSY 1170 Human Development Across the Lifespan (OL)	3
	19.5
Year 1 Term II	
ECE 1151 Health, Nutrition & Safety (OL)	3
ECE 1154 Guiding Children's Behaviour (OL)	3
ECE 1156 Development through Play (OL)	3
ECE 1181 Field Placement II (OL)	3
PSY 1171 Child Growth and Development (OL)	3
	15

Early Childhood Education Continued

DIPLOMA

(Available Online Learning Only)

Year 2	Learning Credits
ECE 2251 Diversity in Early Childhood Education (OL)	1.5
ECE 2252 Child and Family (OL)	1.5
ECE 2253 Family and Community (OL)	1.5
ECE 2255 School-aged Programming (OL)	3
ECE 2257 Organization and Administration (OL)	3
ECE 2260 Infant and Toddler Programming (OL)	3
ECE 2262 Creative Experiences II (OL)	3
ECE 2263 Creative Experiences III (OL)	3
ECE 2264 Pre-school Programming (OL)	3
ECE 2266 Team Building (OL)	1.5
ECE 2270 Inclusion of Children with Special Needs (OL)	3
ECE 2280 Field Placement III (OL)	3
ECE 2281 Field Placement IV (OL)	3
	33

(OL) indicates courses which are also available through Online Learning.

GRADUATION

Upon successful completion of Year 1 requirements, students are awarded an Early Childhood Education certificate. Upon successful completion of Year 2 requirements, students are awarded an Early Childhood Education diploma.

TRANSFERS

University of Alberta

ECE graduates may receive up to 33 credits towards the University of Alberta's Bachelor of Science Human Ecology (Family Ecology major/Child and Youth Studies minor).

Athabasca University

Diploma graduates may receive up to two years' credit toward Athabasca University's Bachelor of Professional Arts - Human Services degrees.

Mount Royal University

Transfer diploma graduates are eligible for admission to the 2nd year of the Bachelor of Applied Child Studies degree at Mount Royal University.

University of Calgary

Graduates of a two-year diploma program will be awarded up to five (5) full junior course options.

Medicine Hat College

Graduates from the certificate in Early Childhood Education are eligible for admission directly into Year 2 of Medicine Hat College's Early Learning and Child Care diploma program.

Lakeland College

Graduates from the certificate in Early Childhood Education are eligible for admission directly into Year Two of Lakeland College's Early Learning and Child Care diploma program.

MacEwan University

Graduates from the certificate in Early Childhood Education are eligible for admission directly into Year Two of MacEwan University's Early Learning and Child Care (ELCC) diploma program.

Keyano College

Graduates from the certificate in Early Childhood Education are eligible for admission directly into Year Two of Keyano College's Early Childhood Development diploma program.

Grande Prairie Regional College

Graduates from the certificate in Early Childhood Education are eligible for admission directly into Year Two of Grande Prairie Regional College's Early Childhood Development diploma program.

Red Deer College

Graduates from the certificate in Early Childhood Education are eligible for admission directly into Year Two of Red Deer College's Early Childhood Education diploma program.

Institute of Technology Carlow, Carlow, Ireland

Graduates from the diploma in Early Childhood Education will be accepted for entry into Year Two of the Honours Degree in Early Childhood Education and Care. Please note, scholarships may be awarded – please refer to website: www.itcarlow.ie

School of Human Services

Find out more about other programs offered in this school:

- Child and Youth Carep.56
- Educational Assistantp.80

lethbridgecollege.ca/programs

Ecosystem Management - Bachelor of Applied Science

Program Office: 403.382.6991 • envisci@lethbridgecollege.ca
 Office of the Chair: 403.320.3232
 Office of the Dean: 403.317.3597

PROGRAM OVERVIEW

The Bachelor of Applied Science degree in Ecosystem Management prepares graduates for exciting work in the fields of environmental management and restoration, and fish and wildlife management. This credential was designed in consultation with environmental industry partners and builds on a diploma in environmental sciences, resource management, or environmental assessment and restoration (or equivalent). The program will integrate applied field and lab skills into a framework of theoretical studies and culminate in a capstone learning experience.

The Bachelor of Applied Science degree in Ecosystem Management is a unique and in-demand credential in the Albertan and western Canadian post-secondary sectors. Key attributes that differentiate this degree from traditional bachelors' degrees include a curriculum strongly focused on industry relevant technical and field skills, environmental science concentrations that are unique to the system, and interdisciplinary coursework. In addition, students will be required to acquire non-credit certifications in various environmental field techniques (e.g. H2S Alive, water craft operation, small engine repair, electro-fishing, WHMIS, first aid, etc.).

ADMISSIONS

New third-year students, or transfer students with advance standing through completion of a related diploma are accepted into the program in September of each year for on-campus study.

GENERAL ADMISSION REQUIREMENTS

All applicants must meet the general admission requirements for Lethbridge College programs, as indicated in the Admission section of this calendar.

ACADEMIC REQUIREMENTS

Students who have completed either the Environmental Assessment and Restoration or the Renewable Resource Management diplomas from Lethbridge College will be accepted directly into the Ecosystem Management – Bachelor of Applied Science program. A minimum GPA of 2.00 is required for admission.

Transfer students are required to have a diploma in Environmental Sciences or equivalent, or a related bachelor's degree in an area such as Resource Management, Biology, Environmental Studies or a similar area of study. Transfer students with related credentials will be accepted into the program after being assessed on an individual basis to determine whether they are required to take bridging courses to meet degree outcomes. A minimum GPA of 2.00 is required for admission.

YOUR INVESTMENT

Program fees will vary. To view fee information for your program, go to www.lethbridgecollege.ca/programs and select your program.

Students are responsible for the cost of the field trips relating to this program.

SUPPLIES FOR FIELD STUDIES

Students on field studies are expected to provide their own equipment and supplies. This includes: warm sleeping bag, ground sheet and pad, tent may be required (notification will be given at orientation), back pack for gear, adequate clothing for cold/wet weather, hiking boots, work gloves, cooking and eating gear (may be shared), food, binoculars, digital camera (standard feature), orienteering compass, field equipment vest (recommended), "write-in-the-rain" treated field notebook/surveyors book, water bottle, sunscreen, safety glasses (3rd year), 30 cm metric steel ruler.

Field studies schedules are dependent on many variables and may require students to participate on weekends. All program field studies require mandatory attendance.

OTHER REQUIRED SUPPLIES

Available from Lethbridge College Bookstore: Lab coat, safety glasses, Douglas protractor, "write-in-the-rain" treated field notebook/surveyors book, 16X hand lens, dissection kit, metric triangular scale with 1:20, 1:25, 1:50, 1:75, 1:100 and 1:125 graduations.

Available From Sporting, Hardware, and Office Supply Stores: Nexus Type 115 or Silva Ranger compass (with declination adjustment screw), clipboard, 4 GB or higher USB memory stick, chest waders, scientific calculator (\$15 - \$30 range), 12 or more coloured pencils (pencil crayons), binoculars (8 X 40 or 10 X 50 magnification), 30 cm metric steel ruler.

For additional information concerning supplies, contact the lab coordinator at 403.320.3202, Extension 5594.

CURRICULUM

Years 1 and 2:

See the Environmental Assessment and Restoration diploma or Renewable Resource Management diploma.

Year 3 Term I	Learning Credits
ENV 3372 Environmental Policy	3
ENV 3381 Environmental Water Quality	3
*ENV 3397 Environmental Assessment and Auditing	3
Students focusing on the Environmental Management and Restoration concentration will complete the following courses:	
ENV 3383 Environmental Physics	3
GEO 3380 Hydrology	3
Students focusing on the Fish and Wildlife Management concentration will complete the following courses:	
*RRM 3368 Wildlife Field Techniques	3
*RRM 3369 Fisheries Management	3
	15

Ecosystem Management - Bachelor of Applied Science Continued

Year 3 Term II		Year 4 Term II	
GEO 3376 Advanced GIS	3	ENV 4451 Senior Project II	3
HUM 3370 Environmental Ethics	3	GEO 3383 Geomorphology	3
STS 3355 Inferential Statistics	3	RRM 3350 Integrated Resource Management	3
<p>Students focusing on the Environmental Management and Restoration concentration will complete the following courses:</p>		<p>Students focusing on the Environmental Management and Restoration concentration will complete the following courses:</p>	
CHM 4455 Analytical Chemistry	3	CHM 4456 Ecotoxicology	3
*GEO 3382 Contaminant Hydrogeology	3	*ENV 4453 Stream Reclamation and Rehabilitation	3
<p>Students focusing on the Fish and Wildlife Management concentration will complete the following courses:</p>		<p>Students focusing on the Fish and Wildlife Management concentration will complete the following courses:</p>	
BIO 3350 Comparative Animal Biology	3	BIO 4462 Mammalogy	3
*RRM 4463 Population Ecology and Management	15	*GEO 4464 Applied Limnology	3
		15	
Year 4 Term I		* Indicates courses with a field study component.	
BIO 3352 Applied Biotechnology	3		
ENV 3355 Environmental Quality	3		
ENV 4450 Senior Project I	3		
<p>Students focusing on the Environmental Management and Restoration concentration will complete the following courses:</p>		<p>Note: Students will be expected to complete non-credit environmental field techniques courses as part of the requirement to complete the program. Courses such as ATV operations, H2S Alive, small engine repair, electro-fishing, etc. will occur as part of field trip season activities. Students will be responsible for the fees associated with these courses. Prior valid training possessed by students will be considered for recognition.</p>	
ENV 4452 Contaminated Site Management	3		
*RRM 4454 Restoration Ecology	3		
<p>Students focusing on the Fish and Wildlife Management concentration will complete the following courses:</p>		<p>GRADUATION Upon successful completion of all program requirements, students are awarded a Bachelor of Applied Science in Ecosystem Management degree.</p>	
BIO 4461 Field Ornithology	3		
*RRM 4460 Species at Risk Management	3		
		15	

School of Environmental Sciences

Find out more about other programs offered in this school:

- Conservation Enforcement - Bachelor of Applied Sciences.....p.66
- Environmental Assessment and Restorationp.85
- Natural Resource Compliancep.109
- Renewable Resource Management p.115

lethbridgecollege.ca/programs

Educational Assistant

(Available Online Delivery Only)

Program Office: 403.320.3393 • humanservices@lethbridgecollege.ca

Office of the Chair: 403.329.7254

Office of the Dean: 403.317.3568

PROGRAM OVERVIEW

Our innovative and very accessible Educational Assistant program will give you the skills you need to help students reach their full educational potential.

If you enjoy working with children and adolescents and would like to help educators provide a healthy learning environment, this is the profession for you. You can begin studying for this rewarding career in schools and educational settings full-time and part-time through online learning.

We give you a comprehensive, practical introduction to topics ranging from the role of the Educational Assistant, assisting with language arts/math, applied behavioural analysis and multiculturalism. Our diploma topics include how to work with speech and language problems, sensory impairments, behaviour disorders, and children with English as a second language. You'll also spend time in field placements, applying your skills and abilities in a real world environment. At the end of the program, you'll have a valuable combination of theory and hands-on experience preparing you to work in a wide range of educational settings. Become an Educational Assistant and experience the satisfaction of helping children with a range of exceptionalities overcome obstacles and achieve their full learning potential.

CAREER OPPORTUNITIES

Your expertise will be in high demand and employment opportunities include:

- Elementary, Middle and High Schools
- Kindergartens & Preschools
- Recreation and Community Centres
- Before & After School Programs
- School Lunch Programs
- Community Support Workers
- Early Intervention Programs
- Hutterite Colonies
- Vocational Support Workers
- Library Assistants
- Private Schools
- Respite Care to Parents of Children with Special Needs
- Summer Camps and Summer Recreation Programs for Children with Special Needs

ADMISSIONS

Students are accepted into the Educational Assistant program for the Fall (September), Winter (January), or Summer (May) terms.

GENERAL ADMISSION REQUIREMENTS

All applicants must meet the general admission requirements for Lethbridge College programs, as indicated in the Admission section of this calendar.

ACADEMIC REQUIREMENTS

Applicants applying to the Educational Assistant diploma are required to have successfully completed a one-year Educational Assistant certificate or equivalent from a recognized college in order to enter the Educational Assistant diploma program.

PRACTICUM EXPERIENCE REQUIREMENTS

There is a required practicum component to this program. The College dictates the legal terms and conditions governing the practicum experience.

Applicants are advised that they will be required to provide a Criminal Record Check and an Alberta Children's Services Intervention Record Check (IR Check) before entering the field placement component of the program. The existence of a criminal record may affect the field placement, program completion and employment prospects. The consequences of a prior criminal record will be examined and discussed on an individual basis.

Students doing field placements may complete these in their own communities or nearby areas.

YOUR INVESTMENT

Program fees will vary. To view fee information for your program, go to lethbridgecollege.ca/programs and select your program.

CURRICULUM

NOTE: Online Learning students follow term schedule.

CERTIFICATE

Year 1	Learning Credits
COM 1162 Interpersonal Relationships & Communication (OL)	3
EDU 1153 Foundations of Educational Assistance (OL)	3
EDU 1155 Math Instructional Support (OL)	3
EDU 1156 Language Arts Instructional Support (OL)	3
EDU 1162 Self-regulation in the Classroom (OL)	3
EDU 1163 Observation and Assessment (OL)	3
EDU 1165 Applied Behaviour Analysis (OL)	3
ENG 1150 Composition (OL)	3
OR	
ENG 1190 Introduction to Language & Literature	3
FWK 1160 Field Placement I (OL)	1.5
FWK 1163 Field Placement II (OL)	1.5
HSP 1151 Family Systems and Development (OL)	3
PSY 1170 Human Development Across the Lifespan (OL)	3
SOC 2273 Multicultural Issues (OL)	3
	36

DIPLOMA

Year 2	Learning Credits
CPU 2253 Technology in Education (OL)	3
EDU 2250 Speech & Language Development (OL)	3
EDU 2252 ESL Instructional Support (OL)	3
EDU 2254 Health Issues in Education (OL)	3
EDU 2255 Educational Trends (OL)	1.5
EDU 2258 Case Studies of Challenging Behaviour (OL)	3
EDU 2260 Positive Behavioural Supports (OL)	3
EDU 2266 Sensory Impairments (OL)	3
FWK 2260 Field Placement III (OL)	1.5
FWK 2262 Field Placement IV (OL)	1.5
HSP 2250 Functions of Behaviour in Individuals with ASD (OL)	3
PSY 2250 Educational Psychology (OL)	3
Elective	3
	34.5

Educational Assistant Continued

Electives

Students may select from the following courses. Choices are dependent on scheduling. Other electives may be chosen with permission, prior to enrolment and completion of the course.

ECE 2270	Inclusion of Children with Special Needs (OL)	3
ENG 2285	Children's Literature (OL)	3
NAT 1155	Introduction to Native American Studies	3
PSY 1179	Adolescent Development (OL)	3
PSY 2253	Child Psychopathology (OL)	3
PSY 2260	Abnormal Psychology (OL)	3
PSY 2277	Addictions Treatment	3
SOC 1160	Introduction to Sociology (OL)	3
SOC 2260	Social Problems	3
SOC 2270	Sociology of the Family	3
SOC 2276	Sexuality	3

(OL) Course is also available through Online Learning.

GRADUATION

Upon successful completion of Year 1 requirements, students are awarded an Educational Assistant certificate.

Upon successful completion of Year 2 requirements, students are awarded an Educational Assistant diploma.

TRANSFERS

Athabasca University

Diploma graduates may transfer directly into the third year of the Bachelor of Professional Arts in Human Services at Athabasca University.

University of Alberta

Educational Assistant diploma graduates are eligible to receive up to 30 credits towards the University of Alberta Bachelor of Science Human Ecology (Family Ecology major/Child and Youth Studies minor).

University of Calgary

Graduates of a two-year diploma program will be awarded up to 5 full junior course options.

School of Human Services

Find out more about other programs offered in this school:

- Child and Youth Carep.56
- Early Childhood Education.....p.76

lethbridgecollege.ca/programs

Engineering Design and Drafting Technology

Program Office: 403.320.3468 • engineeringtech@lethbridgecollege.ca

Office of the Chair: 403.320.3456

Office of the Dean: 403.317.3597

PROGRAM OVERVIEW

Engineering relies on the design and drafting of drawings, plans, and diagrams. At Lethbridge College, we have been teaching effective design and drafting skills for over 45 years. Our practical "nationally accredited" two-year diploma program in Engineering Design and Drafting Technology provides a solid foundation to build a career in this dynamic field.

The program provides you with a comprehensive understanding of mechanical design & drafting, architectural/structural design & drafting, municipal design & drafting, piping design & drafting, and topographical drafting. Fundamentals in these areas are applied with hands-on projects using Computer-Assisted Drafting (CAD) technology, and 3D printing technology.

Design and drafting expertise is accomplished using the latest 3D industry standard software. You will also gain an understanding of engineering fundamentals like stress analysis, strength of materials, and fluid mechanics. This background provides a solid basis for entry into the exciting and challenging field of engineering design and drafting technology. Applied research projects that include a variety of discipline related topics are completed in the final year.

Graduates from the program are able to produce and interpret industry-quality engineering designs and plans. Your valuable technical knowledge and advanced CAD technology will open the doors to a great career.

CAREER OPPORTUNITIES

An Engineering Design and Drafting Diploma will prepare you for design technologist positions in a high demand field where graduates are employed in areas that include:

- Aerospace Companies
- Architectural Practices
- Civil Engineering Companies
- Manufacturing Companies
- Mechanical Engineering Companies
- Petrochemical Companies
- Surveying Companies
- All Levels of Government

ADMISSIONS

New students are accepted into the Engineering Design and Drafting Technology program for the Fall (September) term.

GENERAL ADMISSION REQUIREMENTS

All applicants must meet the general admission requirements for Lethbridge College programs, as indicated in the Admission section of this calendar.

ACADEMIC REQUIREMENTS

In addition to meeting the general admission requirements indicated in the Admission section of this calendar, applicants to this program must also satisfy the following specific course requirements (or equivalencies):

- a minimum grade of 50 percent in Grade 12 math (equivalent to Alberta's Math 30-1) or 60 percent in Grade 12 math (equivalent to Alberta's Math 30-2)
- Grade 11 physics or Grade 12 science

Please note that Grade 12 biology and/or Grade 12 chemistry will not be accepted in lieu of Grade 12 science.

Basic understanding of computer technology such as word processing, file copying, and familiarity working in a Windows-based environment is required.

PRACTICUM EXPERIENCE REQUIREMENTS

There is an elective practicum component to this program. The College dictates the legal terms and conditions governing the practicum experience.

Prior Learning Assessment

If you have experience working in this field of study, you may be eligible for Prior Learning Assessment (PLA). Please direct your inquiries to the Chair.

YOUR INVESTMENT

Program fees will vary. To view fee information for your program, go to lethbridgecollege.ca/programs and select your program.

MOBILE LEARNING PROGRAM

This is a Mobile Learning Program that requires students to purchase a mobile device from Lethbridge College complete with program specific software. Go to www.lethbridgecollege.ca/mobilelearning for additional information.

CURRICULUM

Year 1 Term I	Learning Credits
CAD 1160 Graphic Communications	3
COM 1164 Technical Communications	3
CON 1162 Engineering Management I	3
EDD 1160 Technical Drawing	1.5
MTH 1150 Engineering Math I	3
SUR 1150 Land Survey I	3
	16.5
Year 1 Term II	Learning Credits
EDD 1150 Architectural Design I	3
EDD 1170 Mechanical Design I	3
ENF 1166 Statics and Strength of Materials	3
ENF 1180 Engineering Materials and Construction Practices I	3
MTH 1170 Engineering Math II	3
SUR 1180 Land Survey II	3
	18
Year 2 Term I	Learning Credits
EDD 2255 Process Design I	3
EDD 2268 Architectural Design II	3
EDD 2270 Mechanical Design II	3
EDD 2275 Digital Mapping and Analysis	3
ENF 2250 Fluid Mechanics	3
STS 2260 Statistics and Applied Research I	3
	18

Engineering Design and Drafting Technology Continued

Year 2 Term II		
CIV 2262	Structural Design I	6
EDD 2280	Process Design II	3
EDD 2285	Environmental Systems	3
EDD 2290	Civil Design and Drafting	3
EDD 2295	Architectural Design III	3
RSR 2265	Applied Research II	1.5
		19.5
Year 2 Term III (OPTIONAL)		
EDD 2298	Work Experience	1.5

Note: Students must meet certain health and safety requirements for graduation. These include basic first aid, WHMIS, and TDG. The requirements will vary by program, and it is recommended that they be completed prior to the second year of study.

GRADUATION

Upon successful completion of all program requirements, students are awarded a diploma in Engineering Design and Drafting Technology.

TRANSFERS

Athabasca University

Graduates receive 60 credits towards the Bachelor of Science (Post-Diploma) degree.

Lethbridge College

Graduates of the Engineering Design and Drafting Technology diploma may earn a second diploma in Civil Engineering Technology with an additional 1 ½ years of study (course schedule permitting).

NAIT

Graduates of the Engineering Design and Drafting Technology diploma program with a minimum grade point average of B- or 2.7 on standard grading scales will be conditionally accepted into the BTech (Bachelor of Technology in Technology Management) degree program. Applicants for transfer of credit under this Agreement shall complete all of the requested application procedures of NAIT including, but not limited to, written statements outlining personal objectives, career goals, letters of reference, work experience and community involvement, and such other information as may be requested and used by NAIT to determine whether the applicant complies with the requirements as set out or intended.

University of Alberta

Engineering Design and Drafting Technology diploma graduates with a GPA of 3.5 or higher are eligible for up to one year of transfer credit dependent on appropriate grades and program.

University of Calgary

Graduates of a two-year diploma program will be awarded up to 5 full junior course options.

School of Engineering Technologies

Find out more about other programs offered in this school:

- Civil Engineering Technologyp.58
- Geomatics Engineering Technology.....p.98

lethbridgecollege.ca/programs

English as a Second Language

Program Office: 403.329.7223 • esl@lethbridgecollege.ca

Office of the Program Administrator: 403.320.3253

Office of the Dean: 403.317.3568

The English Language Centre at Lethbridge College is a great place to study English as a Second Language (ESL). For close to 40 years, we have been teaching English to students from around the world as well as to newcomers to Canada. You can study year-round, on a part-time or full-time basis. Our mission is to provide you with the opportunity to excel in English, while experiencing Canadian culture in a friendly and welcoming environment where you can better achieve your educational and career goals.

When you attend Lethbridge College, we have excellent services to support your time in Lethbridge. We offer homestay accommodation and on-campus accommodation. Homestay accommodation gives you the opportunity to live with a local Canadian family and experience Canadian culture directly. On-campus accommodation lets you live in a modern college residence with other students from across the country and from around the world.

Lethbridge is a small, safe city with friendly people. Recreational opportunities abound. You can swim in one of the many city pools, stroll through the rose garden, picnic in the park, or golf on some of the province's most spectacular courses. If you wish, you can visit one of our quality sporting facilities to watch hockey, baseball, softball, or soccer teams in action. The city also hosts many concerts and theatrical productions by world-famous musicians and artists. Lethbridge provides a central location from which to see some of the most beautiful attractions and scenery that Alberta has to offer. There are many things to see and do within only a short drive of the city. From the Rocky Mountains, to the foothills, prairies and badlands, Southern Alberta has something for you to explore and enjoy. Whatever your interests or whatever the season, you will be sure to find what you are looking for!

Lethbridge College is a very welcoming environment. While the college is well-established, we are also modern, with many state-of-the-art facilities.

If you are looking for a unique Canadian experience, dedicated instructors and quality programs, second to none, consider the English Language Centre at Lethbridge College.

ADMISSIONS

New students are accepted into the English as a Second Language program for Fall (September), Winter (January), or Summer (May) terms. You may study for four weeks or longer in any of our programs.

YOUR INVESTMENT

Fees vary between programs. For fee information, please contact the English Language Centre at 403.320.6444 or esl@lethbridgecollege.ca or www.englishtoo.ca

CURRICULUM

ESL classes are offered for 20 hours a week. The average class size is 16 students. We offer all levels, from Beginners to Advanced. All classes focus on reading, writing, speaking, listening and cross-cultural studies. You will also have the opportunity to participate in activities, use a computer lab, and receive academic and career counseling to help you achieve your goals. You will receive a Certificate of Completion upon completion of your ESL course.

When you complete your studies at the English Language Centre, you have the option to enroll in one of many college programs, such as Business Administration, Culinary Studies, University Transfer Programs, Computer Information Technology, Environmental Science, Early Childhood Education, Engineering Technology, Nursing, and much more.

For an excellent cultural and learning experience, choose the English Language Centre, specialists in ESL since 1970. Our innovative, award-winning programs, great international mix of students, TESL certified instructors, small classes, and friendly, helpful staff will help you succeed.

Environmental Assessment and Restoration

Program Office: 403.382.6991 • envisci@lethbridgecollege.ca

Office of the Chair: 403.320.3232

Office of the Dean: 403.317.3597

PROGRAM OVERVIEW

The assessment and restoration of the environment are at the centre of industry today. Businesses from manufacturing to oil and gas need to proactively focus on environmental control, reclamation, impact assessment and environmental audits, not only because of their operations but because government and society demand it. Our two-year diploma in Environmental Assessment and Restoration offers a unique mix of law, technical skills and science to prepare you for a successful career in this fast-growing sector.

You'll learn how to collect, understand, interpret and manage environmental information. With courses ranging from Environmental Chemistry and Hydrogeology to Environmental Law and Contaminant Management, you'll be ready to test your new skills in our extensive field studies components. Hands-on lab and field experience will show you how resource management works in the real world.

Your technical skills will include the use of industry-standard software and the latest Geographic Information System (GIS) applications. In the end, you'll be ready to address emerging issues like regeneration of disturbed lands, water quality management, and restoring abandoned industrial sites. With a comprehensive grounding in law, technical skills and science, what will you do with your diploma in Environmental Assessment and Restoration? One thing's for certain: Your skills will be in high demand!

CAREER OPPORTUNITIES

- Environmental Technologist
- Soils Technologist
- Water Survey Technologist
- Watershed Management Coordinator
- Environmental Investigator
- Water Quality Technologist
- Environmental Assessment Officer
- Environmental Compliance Officer
- Pollution Prevention Officer
- Reclamation Technologist

ADMISSIONS

New students are accepted into the Environmental Assessment and Restoration two-year diploma program for the Fall term (September) only.

GENERAL ADMISSION REQUIREMENTS

All applicants must meet the general admission requirements for Lethbridge College programs, as indicated in the Admission section of this calendar.

ACADEMIC REQUIREMENTS

In addition to meeting the general admission requirements indicated in the Admission section of this calendar, applicants to this program must also satisfy the following specific course requirements (or equivalencies):

- Grade 12 math (equivalent to Alberta's Math 30-2 or a higher level math)
- Grade 11 biology
- Grade 11 chemistry

Basic computer literacy in the use of the Internet, e-mail, word processing, and fundamental processes of spreadsheets is required for the student to be successful in this program. Students lacking these skills are strongly urged to complete a basic computer literacy course prior to entering this program.

Employers often require that students hold a valid Standard First Aid or Wilderness First Aid Certificate and/or a CPR Certificate to be eligible for seasonal and/or permanent employment. Students are encouraged to obtain these certificates either prior to entering the program or during the first year.

YOUR INVESTMENT

Program fees will vary. To view fee information for your program, go to lethbridgecollege.ca/programs and select your program.

Students are responsible for the cost of the field trips relating to this program.

SUPPLIES FOR FIELD STUDIES

Students on field studies are expected to provide their own equipment and supplies. This includes: warm sleeping bag, ground sheet and pad, tent may be required (notification will be given at orientation), back pack for gear, adequate clothing for cold/wet weather, hiking boots, work gloves, cooking and eating gear (may be shared), food, binoculars, digital camera (standard feature), orienteering compass, chest waders, field equipment vest (recommended), "write-in-the-rain" treated

field notebook/surveyors book, water bottle, sunscreen, CSA approved steel-toed safety boots (2nd year), safety glasses (also used in labs), 30 cm metric steel ruler.

OTHER REQUIRED SUPPLIES

Available from Lethbridge College Bookstore: Lab coat, safety glasses, Douglas protractor, "write-in-the-rain" field notebook/surveyors book, 16X hand lens, dissection kit, metric triangular scale with 1:20, 1:25, 1:50, 1:75, 1:100 and 1:125 graduations.

Available from Sporting, Hardware and Office Supply Stores: Nexus Type 115 or Silva Ranger compass (with declination adjustment screw), clipboard, 4 GB or higher USB memory stick, chest waders, scientific calculator (\$15-\$30 range), 12 or more coloured pencils (pencil crayons), binoculars (8X40 or 10X50 magnification), 30 cm metric steel ruler.

For additional information concerning lab or field equipment, contact the lab coordinator at 403.320.3202, Extension 5594.

CURRICULUM

Year 1 Term I	Learning Credits
*BIO 1167 Botany	3
CHM 1155 Chemistry I	3
LAW 1150 Introduction to Environmental Law	3
*RRM 1197 Spatial Information Techniques	3
STS 1155 Descriptive Statistics	3
	15
Year 1 Term II	
*BIO 1170 Plant Systematics	3
*BIO 1172 Ecology	3
ENG 1155 Scientific and Technical Writing	3
*GEO 1166 Physical Geology	3
LAW 1164 Environmental Legislation	3
	15

Environmental Assessment and Restoration Continued

Year 2 Term I

CHM 2255 Chemistry II	3
GEO 1165 Geographic Information Systems	3
*RRM 2252 Water Resources	3
*RRM 2253 Soil Resources	3
*RRM 2256 Rangeland Management	3
	15

Year 2 Term II

AGR 2266 Soil Fertility	3
*ENV 2280 Contaminant Management	3
*ENV 2290 Site Restoration	3
*RRM 2264 Forest Management	3
*RRM 2295 Hydrogeology	3
	15

* Indicates course with a field study component.

Special note about field studies: Students are off-campus completing field studies during most of September and April. Due to scheduling conflicts, it is extremely difficult to take Year 1 and Year 2 courses simultaneously.

Students are advised to complete all Year 1 courses before proceeding to Year 2, and all Year 2 courses before enrolling in Year 3 courses (for related post-diploma certificate or degree programs). In the Fall term, field studies are scheduled in September, while in the Winter term, field studies are scheduled in April. Field studies schedules are dependent on many variables and may require students to participate on weekends or on statutory holidays. All program field studies are mandatory.

Students will be expected to complete non-credit environmental field techniques courses as part of the requirement to complete the program. Courses such as bear safety, firearms safety, pleasure craft operator's card and boat operations will occur as part of field trip season activities. Students will be responsible for the fees associated with these courses. Prior valid training possessed by students will be considered for recognition.

GRADUATION

Upon successful completion of the program, students are awarded an Environmental Assessment and Restoration diploma.

TRANSFERS

Interested students can obtain further information on these partnerships from the School of Environmental Science Chair. Students wishing to continue studies at other institutions must meet the entrance requirements of that institution.

Lethbridge College

Graduates of the Environmental Assessment and Restoration diploma may be eligible for up to 60 credits towards a Bachelor of Applied Science in Ecosystem Management or a Bachelor of Applied Science in Conservation Enforcement. Details regarding these programs can be found in the academic calendar or on the Lethbridge College website.

University of Lethbridge

Graduates of the two-year diploma in Environmental Assessment and Restoration or Renewable Resource Management receive two years' credit toward a post-diploma Bachelor of Science degree in Environmental Science from the U of L. Students who obtain Lethbridge College's Fish and Wildlife Technology Post-Diploma Certificate are eligible for a half year extra credit towards the degree.

University of Alberta

Graduates of the two-year diploma program in Environmental Assessment and Restoration or Renewable Resource Management receive two years' full credit toward a post-diploma Bachelor of Science degree in Environmental and Conservation Sciences, Land Reclamation program. Students must meet the U of A's entrance requirements.

Lakeland College

Graduates of Environmental Assessment and Restoration receive two years' credit toward a Bachelor of Applied Environmental Management degree from Lakeland College. The fourth year of this degree is a work placement.

Athabasca University

Graduates of the Environmental Assessment and Restoration two-year diploma program receive 60 credits towards a Bachelor of Science (Post-Diploma) degree.

The Northern Alberta Institute of Technology (NAIT)

Graduates of the Environmental Assessment and Restoration diploma program with a minimum grade point average of B- or 2.7 on standard grading scales will be conditionally accepted into the BTech (Bachelor of Technology in Technology Management) degree program. Applicants for transfer of credit under this Agreement shall complete all of the requested application procedures of NAIT including, but not limited to, written statements outlining personal objectives, career goals, letters of reference, work experience and community involvement, and such other information as may be requested and used by NAIT to determine whether the applicant complies with the requirements as set out or intended.

University of Calgary

Graduates of a two-year diploma program will be awarded up to five (5) full junior course options.

Royal Roads University

Graduates of the Environmental Assessment and Restoration diploma are eligible for full block transfer into the Bachelor of Science in Environmental Practice and the Bachelor of Arts in Environmental Practice. Graduates may also receive full block transfer to the Bachelor of Science in Environmental Science and the Bachelor of Science in Environmental Management. Two additional courses in math (calculus, linear algebra, physics) need to be completed upon arrival.

Griffith University, Australia

Environmental Assessment and Restoration diploma program graduates may enter into the fourth semester of the Bachelor of Science in Ecology and Conservation Biology degree at Griffith University, Gold Coast and Nathan campuses. Please visit www.griffith.edu.au/ credit for more information.

Exercise Science

Program Office: 403.394.7338 • exercisescience@lethbridgecollege.ca

Office of the Chair: 403.382.6924

Office of the Dean: 403.317.3597

PROGRAM OVERVIEW

The rapidly changing and expanding field of exercise science is the study of the body and how it works during exercise; the science of physical activity. A two-year Lethbridge College diploma in Exercise Science is a passport to rewarding careers in community centres, fitness clubs, seniors' homes, sports organizations, hospitals, the travel industry, businesses and elsewhere, as fitness leaders, personal trainers, counselors, fitness assessors, and more.

You'll work in the health industry as a leader of tomorrow, helping others of all ages and abilities make the right decisions about their physical wellbeing. Every day will bring you new activities, challenges, and rewards. As an ideal exercise science student, you're ambitious, active, and dedicated. You work hard, lead by example, and enjoy communicating with others. If you, like us, believe that exercise is medicine, you'll be a huge benefit to this industry.

This is a challenging two-year science-based program that encompasses the study of anatomy, physiology, psychology, human nutrition, fitness leadership and assessment, and more. In the first year of study, students will have the opportunity to gain certification as a Fitness Leader with the Alberta Fitness Leadership Certification Association (AFLCA). Second year students will prepare for life after graduation by managing their own clients, presenting seminars, and preparing for certification as a Certified Personal Trainer (CPT) as recognized by the Canadian Society for Exercise Physiology (CSEP).

Once you've graduated, the entrepreneurial training you'll have received will enhance your employability. Once in the industry, you'll have ample opportunity to continue your education with related training to advance your career and remain current with changes in the field.

CAREER OPPORTUNITIES

Your Canadian Society for Exercise Physiology (CSEP) - Certified Personal Trainer (CPT) designation (certification) will prepare you to work in a variety of capacities within the fitness industry including:

- Fitness Clubs
- Sport Teams
- Professional Corporations
- Personal Fitness Care
- Medical Clinics
- Schools/Out Reach Programs
- Physiotherapy Clinics
- Sport Organizations
- Rehabilitation Agencies
- Health/Resort Spas
- Recreation Groups
- Travel Industry
- Community Facilities
- Senior Centres
- Business Entrepreneur

ADMISSIONS

New students are accepted into the Exercise Science program for the Fall (September) term.

GENERAL ADMISSION REQUIREMENTS

All applicants must meet the general admission requirements for Lethbridge College programs, as indicated in the Admission section of this calendar.

ACADEMIC REQUIREMENTS

In addition to meeting the general admission requirements indicated in the Admission section of this calendar, applicants to this program must also satisfy the following specific course requirements (or equivalencies):

- Grade 12 biology

PRACTICUM EXPERIENCE REQUIREMENTS

There is a required practicum component to this program. The College dictates the legal terms and conditions governing the practicum experience.

Applicants are advised they may be required to provide a Criminal Record Check before entering the practicum experience component of the program.

Applicants will be required to have a current Standard First Aid and CPR Level A or C certificates prior to the practicum experience.

MEDICAL REQUIREMENTS

Although no physical requirements are placed on applicants for entry to the program, applicants should ensure through a medical examination that their cardiovascular system is suitable to undertake strenuous exercise. Interviews may be requested.

YOUR INVESTMENT

Program fees will vary. To view fee information for your program, go to lethbridgecollege.ca/programs and select your program.

Students will purchase a Lethbridge College Exercise Science shirt (\$30). The shirts are worn during practicum experiences.

Pursuing certification in some specific courses may require an additional fee. Please contact the program for details.

CURRICULUM

Year 1 Term I		Learning Credits
BIO 1169	Structural Human Anatomy	3
ENG 1156	Business Writing (OL)	3
PED 1159	Exercise and Healthful Living	3
PED 1178	Resistance Training	3
PSY 1168	Sport and Exercise Psychology	3
		15
Year 1 Term II		
BIO 1155	Human Nutrition	3
BIO 1180	Human Physiology	3
PED 1188	Movement Education	3
PED 2252	Research Methods in Physical Education	3
PED 2260	Biomechanics & Applied Kinesiology	3
Elective		3
		18
Year 2 Term I		
COM 1162	Interpersonal Relationships & Communication (OL)	3
PED 2256	Prevention & Care of Athletic Injuries	3
PED 2261	Adapted Physical Activity	3
PED 2262	Exercise Physiology	3
PED 2267	Fitness Assessment	3
		15

Exercise Science Continued

Year 2 Term II

PED 2259	Exercise Program Design	3
PED 2271	Advanced Conditioning	3
PED 2274	Exercise & Chronic Conditions	3
PED 2258	Practicum	3
	Elective	3
		15

Electives: Students may select from the following electives, with choices dependent on scheduling. Some courses may require a prerequisite that is not included in the Exercise Science curriculum or electives list.

BIO 1152	Physiology of Aging (OL)	3
BIO 1156	Wellness and Health Issues	3
BUS 1124	Service-Based Small Business Management	3
CPU 1151	Intro to Computers (OL)	1.5
ENG 1150	Composition (OL)	3
HUM 1150	Logic	3
HUM 1155	Ethics (OL)	3
ORG 2254	Public Relations	3
PED 1161	Judo Level I	1.5
PED 1162	Leisure Activities and Sports	1.5
PED 1170	Volleyball	1.5
PED 1172	Latin/Hip Hop/Swing Dance	1.5
PED 1173	Basketball	1.5
PED 1180	Introduction to Coaching	3
PED 1185	Kickboxing and Fitness	1.5
PED 2257	Therapeutic Exercise	3
PED 2272	Leadership in Physical Education	3
PED 2276	Weight Training and Exercise II	1.5
PED 2280	Advanced Coaching	3
PED 2282	Judo Level II	1.5
PSY 1170	Human Development Across the Lifespan (OL)	3
PSY 1177	Psychology of Aging (OL)	3
PSY 2255	Psychology of Sports	3
SOC 1160	Introduction to Sociology (OL)	3
SOC 1167	Sociology of Aging (OL)	3
SOC 2250	Sociology of Sports	3
SOC 2273	Multicultural Issues	3

(OL) indicates courses which are also available through Online Learning.

GRADUATION

Upon successful completion of program requirements, students are awarded an Exercise Science diploma.

Students who successfully complete the program are eligible to test for certification as a Certified Personal Trainer (CPT) as recognized by the Canadian Society for Exercise Physiology (CSEP).

TRANSFERS

University of Calgary

Graduates of a two-year diploma program will be awarded up to five (5) full junior course options.

University of Lethbridge

Graduates from the Exercise Science diploma are eligible to be admitted into the University of Lethbridge's Post-Diploma Bachelor of Health Sciences degree program for completion of their Bachelor of Health Sciences degree.

School of Liberal Arts & Life Sciences

Find out more about other programs offered in this school:

- General Studies:
 - Canadian Studies majorp.92
 - Cultural Studies majorp.93
 - English majorp.93
 - Physical Education & Leadership majorp.94
 - Psychology & Sociology majorp.93
- General Studies - FMNI Career Pathwaysp.96

lethbridgecollege.ca/programs

Fashion Design and Sustainable Production

Program Office: 403.320.3267 • fashion@lethbridgecollege.ca

Office of the Chair: 403.320.3202 Extension 5362

Office of the Dean: 403.317.3597

PROGRAM OVERVIEW

Industry driven, the Fashion Design and Sustainable Production program is the only two-year diploma of its kind in Canada that delivers integrated design theory and application of production techniques along with a comprehensive internship; together, these provide the necessary experience and knowledge to enter the real world of fashion! As the apparel industry in Canada evolves, companies large and small recognize the need to meet consumer demand through the integration of sustainable business practices that not only recognize the impact of the fashion industry on the social and ecological environments both locally and globally, but also enhance the company's viability.

The Fashion Design and Sustainable Production program focuses on five major areas of real skill and knowledge in order to best prepare you for your dream career in fashion: design, production, sustainability, business and technology. Through hands-on experience and connection with the industry you will develop creative problem-solving skills, research and analyze trends, design for niche markets, recognize efficient sewing and drafting techniques, use industry specific technology, and discover the many different careers in demand in the Canadian apparel industry. You will also research local, national and international business and study socially, environmentally and economically sustainable business practices that will make you an asset to any fashion company. At the end of your studies you will also have the opportunity to show your work on the runway at the year-end School of Media and Design student showcase, Collide-O-Scope.

Upon graduation, you leave the program with the practical skills to become an independent designer or gain employment with corporate head offices, manufacturers, designers, importers, wholesalers and other apparel companies nationwide.

CAREER OPPORTUNITIES

- Fashion Designer
- Trend and Colour Specialist
- Fashion Buyer
- Technical Designer
- Product Developer
- Pattern Drafter
- Purchase Coordinator
- Sample Room Technician
- Apparel Head Office Positions
- Visual Merchandiser

ADMISSIONS

New students are accepted into the Fashion Design and Sustainable Production program for the Fall (September) term.

GENERAL ADMISSION REQUIREMENTS

All applicants must meet the general admission requirements for Lethbridge College programs, as indicated in the Admission section of this calendar.

PRACTICUM EXPERIENCE REQUIREMENTS

There is an elective practicum component to this program. The College dictates the legal terms and conditions governing the practicum experience.

YOUR INVESTMENT

Program fees will vary. To view fee information for your program, go to lethbridgecollege.ca/programs and select your program. A sewing kit deposit is required and is refundable upon return of the kit.

CURRICULUM

Year 1 Term I		Learning Credits
FSP 1150	Fashion Illustration	3
FSP 1151	Technical Fashion Drawing	1.5
FSP 1152	Market Analysis for Fashion Design	3
FSP 1155	Global Textile Applications	1.5
FSP 1170	Introduction to Industrial Sewing & Drafting	6
		15
Year 1 Term II		
FSP 1153	Apparel Industry	1.5
FSP 1160	Style Evolution	3
FSP 1161	Computer Applications for the Apparel Industry	1.5
FSP 1162	Sample Room Production	3
FSP 1163	Trend Analysis and Product Development	3
FSP 1164	Product Management	3
		15
Year 2 Term I		
FSP 2250	Sustainable Fashion	3
FSP 2251	Computer Pattern Drafting	1.5
FSP 2252	Production Techniques	3
FSP 2253	Pattern Manipulation and Draping	3
FSP 2255	Manufacturing and Production	1.5
FSP 2256	Textile Design and Product Knowledge	1.5
		13.5
Year 2 Term II		
FSP 2254	Logistics and Sourcing	1.5
FSP 2260	Apparel Industry Independent Research and Portfolio	3
FSP 2261	Line Development and Production	6
FSP 2262	Fashion Promotion and Event Planning	3
FSP 2263	Applied Apparel Production	3
		16.5
Year 2 Term III (May-June) OPTIONAL		
FSP 2268	Fashion Internship	6

Note: FSP 2268 (Fashion Internship) is an optional course. It is an additional two-month semester. Internships may be completed within Canada or internationally. Students should expect to complete an internship outside of the Lethbridge area and assume all financial obligations associated with the placement.

Fashion Design and Sustainable Production Continued

GRADUATION

Upon successful completion of the program, students are awarded a diploma in Fashion Design and Sustainable Production.

TRANSFERS

University of Lethbridge

Diploma graduates may receive a block transfer equivalent to two years of study as a Technical/Design major in the Bachelor of Fine Arts – Theatre and Dramatic Arts at the University of Lethbridge, Post-Diploma Degree program (Admission after a two-year diploma). A minimum of 20 courses (60.0 credit hours) are to be completed at the University of Lethbridge, at least 12 of which are in the Dramatic Arts discipline.

University of Calgary

Graduates of a two-year diploma program will be awarded up to five (5) full junior course options.

School of Media & Design

Find out more about other programs offered in this school:

- Digital Communications and Mediap.74
- Interior Design Technologyp.101
- Multimedia Production.....p.107

lethbridgecollege.ca/programs

General Studies

Program Office: 403.394.7338 • generalstudies@lethbridgecollege.ca

Office of the Chair: 403.382.6924

Office of the Dean: 403.317.3597

PROGRAM OVERVIEW

Tell us where you want to go, and we'll help you get there! General Studies at Lethbridge College offers you choices - choices about what you want to learn and what you want to do.

General Studies provides learners with a broadly based liberal arts foundation in a supportive, personalized environment with enthusiastic, qualified instructors. Let us help you develop your interests and skills across a wide variety of topics within the Humanities, Sciences, Social Sciences, English and Physical Education. By developing analytical and communication skills, citizenship virtues, and a scientific understanding of society, General Studies' graduates are well positioned for success in employment and for lifelong learning.

Students can pursue either a General Studies diploma, choosing from a more eclectic mix of courses to complete their diploma, or a General Studies diploma in one of five majors:

- Canadian Studies
- Cultural Studies
- English
- Psychology and Sociology
- Physical Education and Leadership

General Studies is designed to provide learners with vocational clarity and will prepare you for a career, transfer to another college or university program, or other learning opportunities. Our applied research and Service Learning options provide you with the opportunity to gain valuable work-based experience that will enhance your skills and resume.

General Studies offers a solid foundation for learning for life. With choices ranging from single courses to full diploma programs, you'll find that General Studies offers a great building block for your future!

CAREER OPPORTUNITIES

Start here, go anywhere! General Studies provides the learner with foundational skills that transfer easily to a wide variety of careers and academic programs ranging from social scientists to teachers, from business entrepreneurs to nurses, and much, much more.

ADMISSIONS

Students are accepted into the General Studies program for the Fall (September), Winter (January) or Summer (May) terms.

GENERAL ADMISSION REQUIREMENTS

All applicants must meet the general admission requirements for Lethbridge College programs, as indicated in the Admission section of this calendar.

YOUR INVESTMENT

Program fees will vary. To view fee information for your program, go to lethbridgecollege.ca/programs and select your program.

GENERAL STUDIES DIPLOMA

Students wishing to qualify for a General Studies diploma must successfully complete 60 credits according to the following:

- Core Area: a minimum of 30 credits
- Electives: any other post-secondary courses to bring total to 60 credits
- Suggested courses are listed below; other approved courses may also be used.

CURRICULUM

Core area: a minimum of 3 credits from each of the following areas from the School of Liberal Arts and Life Sciences for a minimum of 30 credits:

Personal Skills:

CMM 2295	Telling Stories II	3
COL 1120	General Studies Initiative	1.5
COL 1130	Achieving College Success (OL)	3
COL 1131	Leadership for FNMI Students	3
COM 1152	Transcultural Communication	3
COM 1162	Interpersonal Relations & Communications (OL)	3
COM 1170	Helping Relationships (OL)	3
CPL 1150	Service Learning	3
CPU 1151	Introduction to Computers (OL)	1.5
CPU 2251	Computer Applications (OL)	1.5
LAR 1130	College Reading and Writing (OL)	3
MTH 1130	Basic College Mathematics	3
PED 1130	Outdoor Education	3
PED 1157	Health, Wellness and Fitness (OL)	1.5
PED 1159	Exercise and Healthful Living	3
PED 1160	Weight Training and Exercise	1.5
PED 1162	Intro to Leisure Activities & Sports	1.5
PED 1170	Volleyball	1.5
PED 1173	Basketball	1.5
PED 1174	Soccer	1.5

PED 1175	Baseball	1.5
PED 1178	Resistance Training	3
PED 1180	Introduction to Coaching	3
PED 2272	Leadership in Physical Education	3
PED 2276	Weight Training and Exercise II	1.5
PED 2280	Advanced Coaching	3
PRS 1155	Speech (OL)	3

Social Sciences:

HIS 1170	Western Civilization (OL)	3
HIS 2265	Canadian History	3
HIS 2270	American History	3
PSC 1150	Local Government (OL)	3
PSC 1161	Introduction to Politics (OL)	3
PSC 1165	Canadian Government	3
PSC 2250	Parties & Elections	3
PSC 2260	International Relations	3
PSC 2280	Political Philosophy	3
PSY 1160	Introduction to Psychology (OL)	3
PSY 1168	Sport and Exercise Psychology	3
PSY 1170	Human Development Across the Lifespan (OL)	3
PSY 1171	Child Growth & Development (OL)	3
PSY 1177	Psychology of Aging (OL)	3
PSY 1179	Adolescent Development (OL)	3
PSY 2253	Child Psychopathology (OL)	3
PSY 2255	Psychology of Sports	3
PSY 2260	Abnormal Psychology (OL)	3
PSY 2270	Introduction to Personality Theory	3
PSY 2275	Introduction to Forensic Psychology	3
PSY 2277	Addictions Treatment	3
PSY 2280	Social Psychology	3
PSY 2290	Brain and Behaviour	3
PSY 2299	Independent Study in Psychology	3
SOC 1153	Introduction to Women's Studies	3
SOC 1160	Introduction to Sociology (OL)	3
SOC 1167	Sociology of Aging (OL)	3
SOC 1170	Introduction to Social Work	3
SOC 2250	Sociology of Sports	3
SOC 2260	Social Problems	3
SOC 2270	Sociology of the Family	3
SOC 2275	Culture & Social Policy Abroad	3
SOC 2276	Sexuality	3

General Studies Continued

Sciences:

BIO 1150	Cellular Basis of Life (OL)	3
BIO 1151	Environmental Issues (OL)	3
BIO 1152	Physiology of Aging (OL)	3
BIO 1155	Human Nutrition	3
BIO 1156	Wellness & Health Issues	3
BIO 1157	Diversity of Life	3
BIO 1160	Anatomy & Physiology I (OL)	3
BIO 1161	Anatomy & Physiology II (OL)	3
BIO 1162	Microbiology (OL)	3
BIO 1169	Structural Human Anatomy	3
BIO 1180	Human Physiology	3
CHM 1151	Chemistry in Context	3
HUM 1165	Introduction to Archaeology	3
MTH 1149	Pre-Calculus (OL)	3
MTH 1156	Techniques of Calculus	3
MTH 1160	Calculus I	3
MTH 1165	Calculus II	3
STS 2270	Social Science Research Methods	3

Humanities:

ART 1150	Art Explorations	3
ART 1160	Painting I	3
ART 1170	Sculpture I	3
BLK 1151	Blackfoot Language I	3
BLK 2251	Blackfoot Language II	3
DES 1153	Basic Design	3
HUM 1150	Logic	3
HUM 1155	Ethics (OL)	3
HUM 1158	Creative Problem Solving	3
HUM 1180	Intro to World Religions (OL)	3
HUM 1190	Popular Culture (OL)	3
HUM 1195	Cultural Anthropology	3
HUM 2261	Archaeology of Prehistoric Europe	3
HUM 2265	Archaeology of Ancient Civilizations	3
HUM 2281	Christianity	3
HUM 2285	Buddhism	3
HUM 2291	Film Studies	3
HUM 2295	Anthropology of Gender	3
MUS 1150	Music Appreciation	3
NAT 1150	Exploring FNMI Perspectives (OL)	3
NAT 1155	Introduction to Native American Studies	3
SPN 1150	Introductory Spanish	3
SPN 1151	Introductory Spanish II	3

English:

ENG 1150	Composition (OL)	3
ENG 1156	Business Writing (OL)	3
ENG 1165	Intro to Creative Writing	3
ENG 1168	Business Communication	3
ENG 1180	Survey of Canadian Literature	3
ENG 1185	Writing for Children and Young Adults	3
ENG 1190	Intro to Language & Literature	3
ENG 2260	Intro to Dramatic Literature	3
ENG 2265	Native American Literature	3
ENG 2285	Children's Literature (OL)	3
ENG 2290	Writing for the Screen	3

Electives:

Any other post-secondary courses to bring the total to 60 credits.

(OL) indicates courses which are also available through Online Learning.

General Studies Initiative:

All students conditionally accepted into General Studies must successfully complete COL1120 (General Studies Initiative). Other courses may also be required as part of conditions of admission.

GENERAL STUDIES DIPLOMA LIBERAL ARTS MAJORS

- Canadian Studies
- Cultural Studies
- English
- Psychology and Sociology
- Physical Education and Leadership

CANADIAN STUDIES MAJOR

The interdisciplinary major in Canadian Studies provides learners with a broad knowledge and understanding of the liberal arts core curriculum as applied to Canada and its place in the world, and citizenship skills. Learners will gain knowledge in the disciplines of history, politics and literature, by considering the diversity of the Canadian experience and the linkages between citizens and state institutions. The program will focus on skill development and lifelong learning by creating a foundation of literacy, numeracy, and citizenship skills. Further, the various methodologies used in liberal arts disciplines will develop highly valued critical thinking, evaluation, research and analytical skills.

Canadian Studies Curriculum (60 credits)

Year 1 Term I Learning Credits

ENG 1150	Composition (OL)	3
PSC 1161	Introduction to Politics (OL)	3
PSY 1160	Introduction to Psychology (OL)	3
PSC 1165	Canadian Government	3
PRS 1155	Speech (OL)	3
		15

Year 1 Term II

BIO 1151	Environmental Issues (OL)	3
HIS 1170	Western Civilization (OL)	3
SOC 1160	Introduction to Sociology (OL)	3
HIS 2265	Canadian History	3
ENG 1180	Survey of Canadian Literature	3
		15

Year 2 Term I

STS 2270	Social Science Research Methods	3
HIS 2270	American History	3
PSC 2280	Political Philosophy	3
	Approved Elective	3
	Approved Elective	3
		15

Year 2 Term II

PSC 2250	Parties and Elections	3
PSC 2260	International Relations	3
HUM 1190	Popular Culture (OL)	3
	Approved Elective	3
	Approved Elective	3
		15

General Studies Continued

CULTURAL STUDIES MAJOR

Cultural Studies combines elements of social sciences with elements of humanities to study the culture and meaning of everyday life and the social, economic, political, and linguistic practices of post-industrialized societies and how these cultural phenomena relate to matters of gender, race, ideology, power and social class. Culture is seen as an inclusive term that includes traditional "texts" such as books, modern popular "texts" such as television shows, music, advertising, and patterns of consumption (shopping, eating, fashion, etc.), and abstract concepts such as language and beliefs and the surrounding institutions that shape our everyday, popular lives. Cultural Studies is multidisciplinary in approach embracing a number of different disciplines and a variety of methodologies.

Cultural Studies Curriculum (60 credits)

Year 1 Term I Learning Credits

ENG 1150	Composition (OL)	3
PSC 1161	Introduction to Politics (OL)	3
PSY 1160	Introduction to Psychology (OL)	3
HUM 1195	Cultural Anthropology	3
HUM 1180	Introduction to World Religions (OL)	3
		15

Year 1 Term II

BIO 1151	Environmental Issues (OL)	3
HIS 1170	Western Civilization (OL)	3
SOC 1160	Introduction to Sociology (OL)	3
HUM 1190	Popular Culture (OL)	3
ENG 1180	Survey of Canadian Literature	3
OR		
ENG 2260	Introduction to Dramatic Literature	3
OR		
ENG 2285	Children's Literature (OL)	3
OR		
ENG 2290	Writing for the Screen	3
		15

Year 2 Term I

ENG 1190	Intro to Language & Literature	3
SOC 2250	Sociology of Sports	3
OR		
SOC 2260	Social Problems	3
OR		
SOC 2270	Sociology of the Family	3
OR		
SOC 2276	Sexuality	3
STS 2270	Social Science Research Methods	3
Approved Elective		3
Approved Elective		3
		15

Year 2 Term II

HUM 2281	Christianity	3
OR		
HUM 2285	Buddhism	3
HUM 2291	Film Studies	3
HUM 2295	Anthropology of Gender	3
Approved Elective		3
Approved Elective		3
		15

ENGLISH MAJOR

Written communication is a key component of all academic inquiry, regardless of discipline. The English major equips students with an array of tools for English expression, providing them a distinctive advantage in both their present and future academic endeavors. Written communication is also a key component in the affairs of business, government, law, education, and science. Therefore, the tools acquired in the English major are also of considerable value beyond the academy. Finally, through the study of various literary genres and the literature of various historical periods, the English major develops the critical thinking skills and creativity necessary for understanding the global phenomenon that is English culture.

English Curriculum (60 Credits)

Year 1 Term I Learning Credits

ENG 1150	Composition (OL)	3
PSC 1161	Introduction to Politics (OL)	3
PSY 1160	Introduction to Psychology (OL)	3
ENG 1190	Introduction to Language & Literature	3
HUM 1150	Logic	3
		15

Year 1 Term II

BIO 1151	Environmental Issues (OL)	3
HIS 1170	Western Civilization (OL)	3
SOC 1160	Introduction to Sociology (OL)	3
ENG 1165	Intro to Creative Writing	3
ENG 1180	Survey of Canadian Literature	3
		15

Year 2 Term I

COM 1162	Interpersonal Relationships & Communication (OL)	3
ENG 2290	Writing for the Screen	3
HIS 2265	Canadian History	3
OR		
HIS 2270	American History	3
Approved Elective		3
Approved Elective		3
		15

Year 2 Term II

ENG 2285	Children's Literature (OL)	3
ENG 2260	Introduction to Dramatic Literature	3
HUM 2291	Film Studies	3
Approved Elective		3
Approved Elective		3
		15

PSYCHOLOGY AND SOCIOLOGY MAJOR

The study of psychology and sociology are core elements of a liberal arts post-secondary education. Psychology and sociology courses give students a working knowledge of the major disciplines and methods of inquiry in the social sciences. Students develop a sense of historical perspective and deepen their understanding of their own and other people's historical and cultural heritage. Students explore a vast array of topics, from the intricate workings of the human mind to the complex social interactions at a family and societal level. As part of a foundation for other educational disciplines, this major will help students understand topics such as culture, race, religion, sex and gender, deviance and crime, and how individuals within society come to understand their roles.

General Studies Continued

Psychology and Sociology Curriculum (60 Credits)

Year 1 Term I	Learning Credits
ENG 1150 Composition (OL)	3
PSC 1161 Introduction to Politics (OL)	3
PSY 1160 Introduction to Psychology (OL)	3
SOC 1167 Sociology of Aging (OL)	3
PSY 1170 Human Development (OL)	3
	15

Year 1 Term II

BIO 1151 Environmental Issues (OL)	3
HIS 1170 Western Civilization (OL)	3
PSY 2280 Social Psychology	3
SOC 1160 Introduction to Sociology (OL)	3
SOC 2276 Sexuality	3
	15

Year 2 Term I

SOC 2270 Sociology of the Family	3
PSY 2270 Introduction to Personality Theory	3
PSY 2290 Brain and Behaviour	3
Approved Elective	3
Approved Elective	3
	15

Year 2 Term II

PSY 2260 Abnormal Psychology (OL)	3
STS 2270 Social Science Research Methods	3
SOC 2260 Social Problems	3
Approved Elective	3
Approved Elective	3
	15

PHYSICAL EDUCATION AND LEADERSHIP MAJOR

The Physical Education and Leadership Major combines elements of social sciences with those of physical education and leadership for students interested in kinesiology, education, and coaching. The Physical Education and Leadership Major is multidisciplinary and embraces a number of subject areas and a variety of methodologies.

Physical Education and Leadership Curriculum (60 Credits)

Year 1 Term I	Learning Credits
BIO 1151 Environmental Issues (OL)	3
PSC 1161 Introduction to Politics (OL)	3
PSY 1160 Introduction to Psychology (OL)	3
PED 1159 Exercise and Healthful Living	3
PED 1160 Weight Training and Exercise	1.5
Physical Activity Elective	1.5
	15

Year 1 Term II

ENG 1150 Composition (OL)	3
HIS 1170 Western Civilization (OL)	3
SOC 1160 Introduction to Sociology (OL)	3
BIO 1156 Wellness and Health Issues	3
PED 1180 Introduction to Coaching	3
	15

Year 2 Term I

BIO 1155 Human Nutrition	3
PED 1155 Applied Anatomy and Kinesiology	3
PSY 2255 Psychology of Sports	3
Approved Elective	3
Approved Elective	3
	15

Year 2 Term II

PED 2272 Leadership in Physical Education	3
PED 2276 Weight Training & Exercise II	1.5
SOC 2250 Sociology of Sports	3
Physical Activity Elective	1.5
Approved Elective	3
Approved Elective	3
	15

General Studies - Physical Education and Leadership Major Physical Activity Electives

Students in the Physical Education and Leadership Major must choose two of the following physical activity elective courses in addition to choosing any of the courses on the Liberal Arts Majors Approved Electives List to fulfill their elective requirements.

PED 1162 Introduction to Leisure Activities & Sports	1.5
PED 1170 Volleyball	1.5
PED 1173 Basketball	1.5

General Studies Continued

General Studies - Liberal Arts Majors Approved Electives

ART 1150	Art Explorations	3
ART 1170	Sculpture	3
BIO 1150	Cellular Basis of Life (OL)	3
BIO 1152	Physiology of Aging (OL)	3
BIO 1155	Human Nutrition	3
BIO 1156	Wellness and Health Issues	3
BIO 1157	Diversity of Life	3
BIO 1160	Anatomy and Physiology I	3
BIO 1161	Anatomy and Physiology II	3
BIO 1162	Microbiology (OL)	3
BLK 1151	Blackfoot Language I	3
BUS 1166	Business Law	3
CHM 1151	Chemistry in Context	3
COM 1162	Interpersonal Relationships & Communication (OL)	3
COM 1170	Helping Relationships (OL)	3
CMM 2295	Telling Stories II	3
CPU 1151	Introduction to Computers (OL)	1.5
CPU 2251	Computer Applications (OL)	1.5
DES 1153	Basic Design	3
ECN 1180	Microeconomics	3
ECN 2253	Macroeconomics	3
ENG 1165	Intro to Creative Writing	3
ENG 1180	Survey of Canadian Literature	3
ENG 1190	Introduction to Language & Literature	3
ENG 2260	Introduction to Dramatic Literature	3
ENG 2285	Children's Literature (OL)	3
ENG 2290	Writing for the Screen	3
HIS 2265	Canadian History	3
HIS 2270	American History	3
HUM 1150	Logic	3
HUM 1155	Ethics (OL)	3
HUM 1165	Introduction to Archaeology	3
HUM 1180	Introduction to World Religions (OL)	3
HUM 1190	Popular Culture (OL)	3
HUM 1195	Cultural Anthropology	3
HUM 2261	Archaeology of Prehistoric Europe	3
HUM 2265	Archaeology of Ancient Civilizations	3
HUM 2281	Christianity	3
HUM 2285	Buddhism	3
HUM 2291	Film Studies	3
HUM 2295	Anthropology of Gender	3
MUS 1150	Music Appreciation	3
NAT 1155	Introduction to Native American Studies	3

PED 1159	Exercise and Healthful Living	3
PED 1180	Introduction to Coaching	3
PRS 1155	Speech (OL)	3
PSC 1150	Local Government (OL)	3
PSC 1165	Canadian Government	3
PSC 2250	Parties and Elections	3
PSC 2260	International Relations	3
PSC 2280	Political Philosophy	3
PSY 1170	Human Development Across the Lifespan (OL)	3
PSY 1171	Child Growth and Development (OL)	3
PSY 1177	Psychology of Aging (OL)	3
PSY 1179	Adolescent Development (OL)	3
PSY 2253	Child Psychopathology (OL)	3
PSY 2255	Psychology of Sports	3
PSY 2260	Abnormal Psychology (OL)	3
PSY 2270	Introduction to Personality Theory	3
PSY 2275	Introduction to Forensic Psychology	3
PSY 2277	Addictions Treatment	3
PSY 2280	Social Psychology	3
PSY 2290	Brain and Behaviour	3
SOC 1153	Introduction to Women's Studies	3
SOC 1167	Sociology of Aging (OL)	3
SOC 1170	Introduction to Social Work	3
SOC 2250	Sociology of Sports	3
SOC 2260	Social Problems	3
SOC 2270	Sociology of the Family	3
SOC 2276	Sexuality	3
SPN 1150	Introductory Spanish	3
SPN 1151	Introductory Spanish II	3
STS 2270	Social Science Research Methods	3

(OL) indicates courses which are also available through Online Learning.

Other post-secondary courses open to General Studies students may be considered.

TRANSFERS

Athabasca University

Students completing the General Studies Diploma at Lethbridge College may receive two years credit towards a three-year Bachelor of General Studies - Arts and Science or Bachelor of General Studies – Applied Studies from Athabasca University. It may be possible to complete the degree on-site at Lethbridge College. Students wishing to pursue this degree are strongly advised to work closely with an Academic Advisor to plan their educational program prior to registering in any courses.

University of Calgary

Students completing the General Studies Diploma with a major in Canadian Studies receive 60 credits towards BA (Canadian Studies).

Other Colleges and Universities

Many of the courses offered in General Studies are transferable to a wide variety of institutions and programs across Alberta, Canada and internationally. Although advance credit is ultimately determined by the receiving institution, it may be possible for you to start your post-secondary educational program in General Studies at Lethbridge College. Please make an appointment to speak with an Academic Advisor at Lethbridge College if you wish to pursue this option.

School of Liberal Arts & Life Sciences

Find out more about other programs offered in this school:

- Exercise Science.....p.87
- General Studies - FMNI Career Pathways.....p.96

lethbridgecollege.ca/programs

General Studies - FNMI Career Pathways

Program Office: 403.394.7338 • fnmi@lethbridgecollege.ca

Office of the Chair: 403.382.6924

Office of the Dean: 403.317.3597

PROGRAM OVERVIEW

Get started on the path to help you realize your career goals with our one-year General Studies, FNMI Career Pathways program. This program is designed to better prepare FNMI students who wish to enter Lethbridge College programs, by engaging learners in a curriculum that is a combination of required post-secondary courses and courses from a selection of Lethbridge College programs. This program will prepare students for full-time studies in their choice of a number of Lethbridge College program areas including: Agriculture Sciences, Business Administration, Child and Youth Care, Computer Information Technology, Early Childhood Education, General Studies (University Transfer), Digital Communications and Media, Multimedia Production, Criminal Justice Policing and Correctional Studies, and a General Interest stream.

The curriculum is designed to assist students to further develop their writing and information literacy skills, ensuring students have the skills necessary for success in post-secondary studies. This program will also foster cultural awareness through a set curriculum that includes coursework in Canadian Aboriginal culture and college success. Students entering this program will be provided with additional supports from FNMI Services and will work with Academic Advising in completing Academic Success Plans.

This is a 24-credit, 8-month (two semesters) college program serving FNMI students who want to enhance their opportunities for success, and sample from a variety of program offerings. The curriculum consists of a total of eight courses preparing students for success and admission into their choice of Lethbridge College programs identified in the certificate.

In the first semester, students will work as part of a group with courses focusing on further enhancing students' abilities in writing, college success, psychology and life, and cultural awareness.

In the second semester, students will focus on courses from one of a number of distinct "streams" associated with a diploma program or enroll in a general interest collection of courses in which they can experience topics from multiple program areas.

Students who successfully complete the program with a minimum GPA of 1.5 will be awarded a Lethbridge College certificate and will be awarded guaranteed placement in the related diploma program for the following fall semester. It is strongly recommended that students contact the FNMI academic advisor for application information.

ADMISSIONS

Students are accepted into the General Studies, FNMI Career Pathways program for the Fall (September) term.

GENERAL ADMISSION REQUIREMENTS

All applicants must meet the general admission requirements for Lethbridge College programs, as indicated in the Admission section of this calendar.

ACADEMIC REQUIREMENTS

Prior to admission into one of the following diploma programs, students must meet specific diploma entrance requirements.

Students interested in the Computer Information Technology diploma are also required to have successfully completed Math 30-2 or higher.

Students interested in the Business Administration diploma are also required to have successfully completed Math 30-2 or higher.

YOUR INVESTMENT

Program fees will vary. To view fee information for your program, go to www.lethbridgecollege.ca/programs and select your program.

CURRICULUM

Year 1 Term I Learning Credits

COL1130	Achieving College Success (OL)	3
LAR1130	College Reading and Writing (OL)	3
NAT1150	Exploring FNMI Perspectives	3
PSY 1140	Psychology and Life	3
		12

Year 1 Term II Learning Credits

Agriculture Sciences		
AGR 1168	Agriculture Soil Management	3
AGR 1164	Agricultural Entomology	3
MKT 1152	Commodity Marketing	3
PLT 1155	Pasture and Forage Production	3
		12

Business Administration		
BUS 1170	Introduction to Management	3
BUS 1177	Entrepreneurship	3
ENG 1168	Business Communication	3
MKT 1188	Introduction to Marketing	3
		12

Child and Youth Care		
CYC 1194	Activity Leadership	3
ENG 1150	Composition (OL)	3
HSP 1151	Family Systems and Development (OL)	3
PSY 1170	Human Development Across the Lifespan (OL)	3
		12

Computer Information Technology		
BUS 1170	Introduction to Management	3
CIT 1152	Computer Hardware Maintenance	3
CIT 1163	Database Management Systems	3
MKT 1188	Introduction to Marketing	3
		12

Early Childhood Education		
COM 1162	Interpersonal Relationships and Communications (OL)	3
ECE 1151	Health, Safety, and Nutrition (OL)	3
ENG 1150	Composition (OL)	3
PSY 1170	Human Development Across the Lifespan (OL)	3
		12

General Studies - FNMI Career Pathways Continued

General Studies (University Transfer)		
ENG 1150	Composition (OL)	3
NAT 1155	Introduction to Native American Studies	3
PSY 1160	Introduction to Psychology (OL)	3
SOC 1160	Introduction to Sociology (OL)	3
		12

Digital Communications and Media		
DCM 1153	Communication Process	3
DCM 1154	Public Relations	3
DCM 1157	Advertising and Marketing for Media	3
DCM 1159	Media Law and Ethics	3
		12

Multimedia Production		
BUS 1124	Service-Based Small Business Management	3
CAP 1158	Communication Process OR	3
COM 1162	Interpersonal Relationships and Communication (OL)	3
CMM 1185	The Principles of Animation	3
WRI 1150	Writing for Interactive Media	3
		12

Criminal Justice Policing/Correctional Studies		
CJP 1159	Ethics and Critical Thought (OL)	3
CJP 1160	Introduction to the Criminal Justice System (OL)	3
CJP 1185	Diverse Populations in Public Safety (OL)	3
SOC 1160	Introduction to Sociology (OL)	3
		12

General Interest
In the General Interest stream for Term 2 (winter semester), students will select a minimum of four courses for twelve credits from any of the streams. For example, the selection could be one course from four different streams, two courses from two different streams, etc. A total of 12-credits is required for Term 2 (Winter).

(OL) indicates courses which are also available through Online Learning.

GRADUATION

Upon successful completion of all program requirements, students are awarded a General Studies, FNMI Career Pathways certificate.

Successful completion of this program may qualify students for admission into other Lethbridge College programs. Please consult specific program admission requirements.

School of Liberal Arts & Life Sciences

Find out more about other programs offered in this school:

- Exercise Sciencep.88
- General Studies:
 - Canadian Studies majorp.92
 - Cultural Studies majorp.93
 - English majorp.93
 - Physical Education & Leadership majorp.94
 - Psychology & Sociology majorp.93

lethbridgecollege.ca/programs

Geomatics Engineering Technology

Program Office: 403.320.3468 • engineeringtech@lethbridgecollege.ca

Office of the Chair: 403.320.3456

Office of the Dean: 403.317.3597

PROGRAM OVERVIEW

Geomatics is the practice of gathering and interpreting spatial information about the physical environment. It brings together surveying and mapping with new technologies like Global Navigation Satellite Systems (GNSS) and Geographic Information Systems (GIS). Our practical two-year “nationally accredited” diploma in Geomatics Engineering Technology prepares graduates for participation in this high tech profession, in areas ranging from surveying and land management to construction and the oil/gas industry.

Geomatics professionals are integral to engineering related infrastructure projects. Geomatics uses some of the latest technologies such as 3D scanners and UAS (unmanned aircraft systems). Areas of study include surveying, mapping, and data collection techniques using hands-on exercises. Advanced concepts involve the interpretation of aerial photographs using industry standard remote sensing software. The surveying aspects of the program use survey grade GNSS equipment and digital mapping opportunities uses industry standard GIS software applications. There are many opportunities to demonstrate field techniques by working in small teams on projects that simulate the real world demands of surveying, mapping, and interpreting the relationship between different aspects of the physical environment.

A Geomatics Engineering Technology diploma can take your valuable combination of technical knowledge, interpretative skills and hands-on experience into the workplace. There is also an option to continue your studies by transferring into the University of Lethbridge’s degree in Geography (Geographic Information Systems).

A Geomatics Engineering Technology diploma provides a great foundation for a career as a technology professional.

- Survey engineering companies
- Civil engineering companies
- Environmental consultants
- Natural resource companies
- All levels of government
- Law enforcement agencies
- Agricultural companies
- Defence contractors and organizations
- Land planning agencies

ADMISSIONS

New students are accepted into the Geomatics Engineering Technology program in the Fall (September) term only.

GENERAL ADMISSION REQUIREMENTS

All applicants must meet the general admission requirements for Lethbridge College programs, as indicated in the Admission section of this calendar.

ACADEMIC REQUIREMENTS

In addition to meeting the general admission requirements indicated in the Admission section of this calendar, applicants to this program must also satisfy the following specific course requirements (or equivalencies):

- a minimum grade of 50 percent in Grade 12 math (equivalent to Alberta’s Math 30-1) or 60 percent in Grade 12 math (equivalent to Alberta’s Math 30-2)
- Grade 11 physics or Grade 12 science

Please note that Grade 12 biology and/or Grade 12 chemistry will not be accepted in lieu of Grade 12 science.

Basic understanding of computer technology such as word processing, copying files and familiarity working in a Windows-based environment is required.

PRACTICUM EXPERIENCE REQUIREMENTS

There is an elective practicum component to this program. The College dictates the legal terms and conditions governing the practicum experience.

PRIOR LEARNING ASSESSMENT (PLA)

If you have experience working in this field of study, you may be eligible for Prior Learning Assessment (PLA). Please direct your inquiries to the Chair.

YOUR INVESTMENT

Program fees will vary. To view fee information for your program, go to lethbridgecollege.ca/programs and select your program.

MOBILE LEARNING PROGRAM

This is a Mobile Learning Program that requires students to purchase a mobile device from Lethbridge College complete with program specific software. Go to www.lethbridgecollege.ca/mobilelearning for additional information.

CURRICULUM

Year 1 Term I	Learning Credits
CAD 1160 Graphic Communications	3
COM 1164 Technical Communications	3
CON 1162 Engineering Management I	3
EDD 1160 Technical Drawing	1.5
MTH 1150 Engineering Math I	3
SUR 1150 Land Survey I	3
	16.5
Year 1 Term II	
CPU 1160 Geomatics Programming I	3
GEO 1152 Geomatics Engineering Science	3
GEO 1181 Geospatial Analysis I	3
GEO 1185 Geodetic Fundamentals	3
MTH 1170 Engineering Math II	3
SUR 1180 Land Survey II	3
	18
Year 2 Term I	
CPU 2275 Geomatics Programming II	3
GEO 2252 Geographic Information Systems I	6
SUR 2250 Survey Calculations and Analysis	3
SUR 2262 Specialized Positioning Applications	3
SUR 2267 Advanced Survey Applications I	3
STS 2260 Statistics and Applied Research I	3
	21

Geomatics Engineering Technology

Continued

Year 2 Term II		
GEO 2280	Geographic Information Systems II	3
GEO 2290	Geospatial Analysis II	3
RSR 2265	Applied Research II	1.5
SUR 2272	Cadastral Surveying	3
SUR 2280	Geomatics Engineering Surveys	3
SUR 2285	Advanced Survey Applications II	3
		16.5
Year 2 Term III (OPTIONAL)		
GEO 2298	Work Experience	1.5
<p>Note: Students must meet certain health and safety requirements for graduation. These include basic first aid, WHMIS, and TDG. The requirements will vary by program, and it is recommended that they be completed prior to the second year of study.</p>		

Athabasca University
 Graduates receive 60 credits towards the Bachelor of Science (Post-Diploma) degree.

NAIT
 Graduates of the Geomatics Engineering Technology Diploma program with a minimum grade point average of B- or 2.7 on standard grading scales will be conditionally accepted into the BTech (Bachelor of Technology in Technology Management) degree program. Applicants for transfer of credit under this Agreement shall complete all of the requested application procedures of NAIT including, but not limited to, written statements outlining personal objectives, career goals, letters of reference, work experience and community involvement, and such other information as may be requested and used by NAIT to determine whether the applicant complies with the requirements as set out or intended.

GRADUATION
 Upon successful completion of all program requirements, students are awarded a Geomatics Engineering Technology diploma.

University of Calgary
 Graduates of a two-year diploma program will be awarded up to five (5) full junior course options.

TRANSFERS
Lethbridge College
 A graduate of the Geomatics Engineering Technology program may gain a second diploma in Civil Engineering Technology or Engineering, Design and Drafting Technology with an additional 1 ½ years of study (course schedule permitting).

University of Lethbridge
 With a 2+2 agreement with the University of Lethbridge, Lethbridge College graduate students in the Geomatics Engineering Technology program may obtain a post-diploma bachelor's degree in Geographical Information Sciences.

School of Engineering Technologies

Find out more about other programs offered in this school:

- Civil Engineering Technologyp.58
- Engineering Design and Drafting Technologyp.82

lethbridgecollege.ca/programs

Health Care Aide

Program Office: 403.320.3310 • healthcareaide@lethbridgecollege.ca

Office of the Program Chair: 403.320.3202 Ext. 5449

Office of the Dean: 403.320.3403 • Centre for Health and Wellness Placement Office: 403.320.3202 Ext. 5380

PROGRAM OVERVIEW

This 485-hour program will prepare you to become a vital member of the healthcare team. The Health Care Aide (HCA), under the supervision of a regulated healthcare professional, performs such duties as assisting individuals in meeting basic needs and activities of daily living. Employment opportunities exist in long-term care, community settings, assisted living and acute care. The Health Care Aide program delivers the Alberta Provincial Curriculum that includes theory and practical experiences.

CAREER OPPORTUNITIES

Your certificate in the Health Care Aide program will prepare you for a wide range of employment opportunities including:

- Hospitals
- Doctors' practices
- Medical clinics
- Private health care providers
- Long-term care facilities
- Respite facilities
- Hospice facilities
- Health care agencies

ADMISSIONS

New students are accepted into the Health Care Aide program for the Fall (September) and Winter (January) terms.

GENERAL ADMISSION REQUIREMENTS

All applicants must meet the general admission requirements for Lethbridge College programs, as indicated in the Admission section of this calendar.

ACADEMIC REQUIREMENTS

Applicants to this program do not require a high school diploma; however, they must satisfy the following specific course requirements (or equivalencies):

- Grade 10 English

PRACTICE BASED EXPERIENCE (PBE) REQUIREMENTS

This program has a required Practice-Based Experience (PBE) component. The College dictates the legal terms and conditions governing the PBE.

Students must meet and maintain certain requirements to participate in the PBE setting as determined by programs, practice agencies and/or legislated by government bodies. These may include health (e.g. immunizations, screening tests, etc.), privacy and security (e.g. police information check, IT access, etc.), and OH&S requirements (e.g. CPR certification, Fire Safety, WHMIS, Mask Fit-testing, etc.).

As a post-secondary health care program in Alberta, provincial immunization standards apply to students in this program. As per the provincial "Standard for Immunization of Post-Secondary Health Care Students and Students in Other High-Risk Occupational Programs", all Post-Secondary Institutions (PSI) have the responsibility of assessing the immunization status of each healthcare student at the time of initial enrollment and to ensure all healthcare students are fully immunized before leaving post-secondary programs. There is an administrative fee for this assessment and vaccinations required to become fully immunized.

Workers' Compensation Board (WCB) coverage – PBE placement agencies and employers usually require WCB coverage on behalf of the student. Students enrolled in post-secondary institutions in Alberta are deemed to be employees of the Province of Alberta and, as such, provided WCB coverage. In certain instances, for students outside of Alberta, WCB coverage may not be provided (e.g. non-Alberta residents taking a course solely through distance learning with a PBE placement outside of Alberta). These students are advised to contact the program prior to application.

PBE sites will include Lethbridge and may include surrounding rural communities. PBE's may include day, evening, and/or weekend schedules. Students will be expected to travel to assigned sites and will be responsible for arranging travel and any associated costs.

YOUR INVESTMENT

Program fees will vary. To view fee information for your program, go to lethbridgecollege.ca/programs and select your program.

CURRICULUM

Year 1 Term I	Learning Credits
HCA 1103 Assist with Medication Delivery	1.5
HCA 1105 Practicum I	1.5
HCA 1107 Health and Chronic Illness	3
HCA 1112 Safe Work Practices	3
HCA 1113 Communication in Health Care	1.5
HCA 1114 Clients with Complex Care	3
HCA 1115 Assist with Activities of Daily Living	3
HCA 1116 Specialized Client Needs	3
	19.5
Year 1 Term II	
HCA 1111 Practicum II	1.5
	1.5

Important Note: Progression into HCA 1105 (Practicum I) requires successful completion of HCA 1107, HCA 1112, HCA 1113, and HCA 1115.

GRADUATION

Upon successful completion of all program requirements, students are awarded a Health Care Aide certificate.

The Health Care Aide program is equivalent to the Health Care Aide Provincial Curriculum of Alberta.

School of Allied Health

Find out more about other programs offered in this school:

- Community Health Promotionp.62
- Medical Device Reprocessingp.106
- Unit Clerk Training.....p.120

lethbridgecollege.ca/programs

Interior Design Technology

Interior Design Technology Program Office: 403.320.3267 • interiordesign@lethbridgecollege.ca
Office of the Chair: 403.320.3202 Extension 5362
Office of the Dean: 403.320.3318

PROGRAM OVERVIEW

Interior design technologists help create the interior environments people inhabit every day. Our intensive, two-year diploma program in Interior Design Technology will give you the specialized knowledge and skills you need to apply your creativity in today's design industry.

Our practical, hands-on program is structured around the professional standards of the Council for Interior Design Accreditation (CIDA). Working in small classes with one-to-one instructor support, you'll master various software used throughout interior design practice. You'll work on projects that simulate real-world design problems and gain experience in commercial and residential interior design.

Our design studio courses cover commercial interior design ranging from corporate to hospitality design. You'll balance this commercial design experience with an understanding of residential interior design, including project work focused on space planning, construction fundamentals and interior detailing. A required practicum lets you demonstrate your design skills and abilities in the workplace or contribute to community-based design projects while gaining valuable industry experience.

Your Interior Design Technology diploma opens the door to a world of exciting opportunities. With a comprehensive grounding in design theory and application, you'll be ready to apply your creativity in both commercial and residential fields. You'll be ready for a successful career in design!

CAREER OPPORTUNITIES

Our diploma program in Interior Design Technology will prepare you for the pre-professional assistant level. You'll be able to work with design teams in a wide variety of fields.

- Interior Design Technologist
- Kitchen and Bath Designer
- Architectural Illustrator
- Residential and Commercial Space Planner
- Home Stager and Decorator
- Product Sales Representative

ADMISSIONS

New students are accepted into the Interior Design Technology program for the Fall (September) term.

GENERAL ADMISSION REQUIREMENTS

All applicants must meet the general admission requirements for Lethbridge College programs, as indicated in the Admission section of this calendar.

ACADEMIC REQUIREMENTS

In addition to meeting the general admission requirements indicated in the Admission section of this calendar, applicants to this program must also satisfy the following specific course requirements (or equivalencies):

- Grade 12 math (equivalent to Alberta's Math 30-2 or a higher level math)

PRACTICUM EXPERIENCE REQUIREMENTS

There is a required practicum component to this program. The College dictates the legal terms and conditions governing the practicum experience.

YOUR INVESTMENT

Program fees will vary. To view fee information for your program, go to www.lethbridgecollege.ca/programs and select your program.

A drafting kit deposit is required and is refundable upon return of the kit.

MOBILE LEARNING PROGRAM

This is a Mobile Learning Program that requires students to purchase a mobile device from Lethbridge College complete with program specific software. Go to www.lethbridgecollege.ca/mobilelearning for additional information.

CURRICULUM

Year 1 Term I Learning Credits

IDM 1158	Representations I	3
IDM 1163	History of Interiors I	3
IDM 1170	Colour and Lighting	3
IDM 1179	Design Fundamentals	3
IDM 2255	Materials and Finishes	3
		15

Year 1 Term II

IDM 1159	Representations II	3
IDM 1167	Interior Detailing I	3
IDM 1173	History of Interiors II	3
IDM 1181	Residential Design Studio	3
IDM 1190	Digital Drafting	3
		15

Year 2 Term I

ENG 1156	Business Writing (OL)	3
OR		
ENG 1150	Composition (OL)	3
IDM 1155	Professional Practice in Interior Design	3
IDM 2267	Interior Detailing II	3
IDM 2278	Corporate Design Studio	3
IDM 2290	Digital Illustration	3
		15

Year 2 Term II

IDM 2275	Digital Modelling and Animation	3
IDM 2276	Professional Portfolio	3
IDM 2277	Practicum	3
IDM 2279	Global Design Trends	3
IDM 2287	Hospitality Design Studio	6
		18

(OL) indicates courses which are also available through Online Learning.

GRADUATION

Upon successful completion of all program requirements, students are awarded a diploma in Interior Design Technology.

TRANSFERS

University of Calgary

Graduates of a two-year diploma program will be awarded up to five (5) full junior course options.

Justice Studies - Bachelor of Applied Arts

Program Office: 403.329.7246 • infojustice@lethbridgecollege.ca
Office of the Chair: 403.382.6932 • Office of the Dean: 403.317.3568

PROGRAM OVERVIEW

Are you interested in joining the justice field through a program of advanced study? Are you a justice professional wishing to enhance your understanding of criminal justice theory and practice? Our Bachelor of Applied Arts in Justice Studies (BAAJS) will give you the skills and knowledge you need to meet your career goals, whether you are seeking initial employment or promotion to more challenging positions.

Our degree program starts with our two-year Correctional Studies or Criminal Justice - Policing diploma. Your first two years of study will give you a comprehensive introduction to relevant course material and the criminal justice system. If you are currently employed in a justice related agency, your training and experience may reduce the number of courses you will have to take.

You'll build on this knowledge in your third year of study. You will learn to assess and deal with emerging issues through courses in community justice, ethics, behavioural management, victimology, management and leadership. In the fourth year of the program, you will apply your skills and abilities in a real-world justice environment. You'll spend your entire fourth year (two semesters) engaged in a Directed Field Study. You can choose to spend this study time at your current justice organization or agency, or we can help you find a suitable placement.

At the end of the program, you'll have a comprehensive, practical understanding of justice. Your skills and knowledge will serve you well and be in demand anywhere in Canada. All courses in the BAAJS are available through Online Learning.

CAREER OPPORTUNITIES

Your degree meets or surpasses entry level requirements for management and supervisory positions in municipal, provincial and federal jurisdictions.

You'll have the academic and practical background to work in a variety of advanced positions, including:

- Supervisors/Managers in justice organizations
- Probation Officers
- Parole Officers
- Case Workers in provincial and federal justice organizations

ADMISSIONS

New third-year students, or transfer students with advance standing through completion of a related diploma, are accepted into the program in September and January of each year for on-campus and online study and also in May for Online Learning.

GENERAL ADMISSION REQUIREMENTS

All applicants must meet the general admission requirements for Lethbridge College programs, as indicated in the Admission section of this calendar.

ACADEMIC REQUIREMENTS

Students who have completed a Correctional Studies Diploma or Criminal Justice - Policing Diploma from Lethbridge College, or equivalent will be accepted directly into the Bachelor of Applied Arts in Justice Studies. Applicants with a related diploma/degree in a human service or justice related field such as child and youth care, law enforcement, addictions counselling, social work, criminology, or psychiatric nursing will also be admitted, and may be required to complete bridging courses in order to meet degree requirements.

Applicants with a diploma/degree require a minimum cumulative GPA of 2.0 or higher to be accepted directly into the Bachelor of Applied Arts in Justice Studies.

Applicants with post-secondary credentials and significant related work experience may apply to have their knowledge and skills assessed for transfer credit or prior learning credit in the Correctional Studies Diploma, the Criminal Justice - Policing Diploma, and the Bachelor of Applied Arts in Justice Studies.

Transfer students entering the program who receive advance credit must meet Lethbridge College's minimum residency requirements. This means that students may not receive advance credit for work completed at other institutions in excess of 75 percent of the total credits required for graduation from Lethbridge College.

YOUR INVESTMENT

Program fees will vary. To view fee information for your program, go to lethbridgecollege.ca/programs and select your program.

CURRICULUM

Years 1 and 2:
See the Correctional Studies diploma or Criminal Justice - Policing diploma.

Year 3 Term I	Learning Credits
HUM 3350 Ethics in Justice (OL)	3
JUS 3351 Introduction to Research Methods in Justice (OL)	3
JUS 3352 Social Justice (OL)	3
Approved Electives (2 courses)	6
	15
Year 3 Term II	Learning Credits
HUM 3355 Critical Thinking (OL)	3
JUS 3388 Orientation to DFS (OL)	1.5
MGT 3370 Management in Justice Organizations (OL)	3
PSY 3350 The Psychology of Criminal Behaviour (OL)	3
Approved Electives (2 courses)	6
	16.5
LIST A ELECTIVES (Populations)	Learning Credits
Select two of the following courses:	
JUS 3350 Victimology (OL)	3
JUS 3357 Contemporary Youth Justice in Canada (OL)	3
JUS 3360 Aboriginal Peoples & Culture In Justice (OL)	3
JUS 3378 Women in Justice (OL)	3
PSY 2277 Addictions Treatment	3

Justice Studies - Bachelor of Applied Arts

Continued

LIST B ELECTIVES (Operational Systems)

Select two of the following courses:

JUS 3369	Program Evaluation (OL)	3
JUS 3372	Directed Topics in Criminal Justice (OL)	3
JUS 3387	Crisis Management (OL)	3
MGT 3375	Leadership in Justice Organizations (OL)	3

A maximum of 6 unspecified credits at the third year (3000) level may be used.

Year 4

(Directed Field Study)

Note: All 4000 level courses are field study courses with academic components. Before enrolling in any of the following DFS courses, students are required to successfully complete JUS3388 (Orientation to DFS).

Core Courses

JUS 4452	Analysis of Professional Relationships	3
JUS 4453	Policies and Procedures in Justice	3
JUS 4454	Applied Conflict Management	3
JUS 4455	Comparative Justice Systems	3
JUS 4461	Identified Population Study	3
		15

Elective Courses - 5 of the following

JUS 4450	Directed Topics in Criminal Justice	3
JUS 4457	Community Involvement for Professionals	3
JUS 4464	Applied Research 1	3
JUS 4465	Diversity Seminar	3
JUS 4468	Applied Research 2	3
JUS 4469	Program Development and Management	3
JUS 4474	Safety in the Justice Environment	3
JUS 4475	Critical Incident Analysis	3
JUS 4480	Community Relationship Analysis	3
JUS 4481	Strategic Planning/Project Management	3
JUS 4482	Human Resources Management in Justice Organizations	3
JUS 4483	Applied Leadership in Justice Organizations	3
JUS 4484	Financial Management in Justice Organizations	3
		15

All courses in the first three years of the BAAJS are available through Online Learning. Directed Field Studies placement (4th Year) may be completed in any location, but all course work is online.

GRADUATION

Upon successful completion of all program requirements, students are awarded a Bachelor of Applied Arts in Justice Studies degree.

Note: Employing agencies may have additional requirements for employment, such as a valid driver's licence, Standard First Aid and CPR. Students are encouraged to maintain their credentials in these areas so that they are current at time of graduation.

POST-GRADUATE PATHWAYS

Graduates of the BAAJS program may be eligible for acceptance into a variety of master's degree programs. See an academic advisor for more information.

School of Justice Studies

Find out more about other programs offered in this school:

- Correctional Studiesp.68
- Criminal Justice - Policingp.70

lethbridgecollege.ca/programs

Massage Therapy

Program Office: 403.320.3202 Ext. 3211 • massagetherapy@lethbridgecollege.ca

Office of the Program Chair: 403.320.3202 Ext. 5225

Office of the Dean: 403.320.3403 • Centre for Health and Wellness Placement Office: 403.320.3202 Ext. 5380

PROGRAM OVERVIEW

The Massage Therapy two-year diploma program focuses on the knowledge, skills and attitudes necessary for employment as a Massage Therapist. This program is designed to facilitate acquisition of knowledge and skills to be a professional in the health care field.

The field of massage therapy demands considerable personal commitment, professionalism and physical and emotional stamina. The curriculum includes significant amounts of study and practicum experience. Student performance in the practicum experience is closely monitored to ensure appropriate skill and personal development.

Interested students are advised of the demand on their personal and leisure time of such an integrated work/study approach.

CAREER OPPORTUNITIES

You will be prepared for entry-level positions as a massage therapist in a growing number of fields, including:

- Long-Term Care Facilities
- Private Health-Care Providers
- Massage Clinics and Spas
- Sports Medicine Clinics

ADMISSIONS

New students are accepted into the Massage Therapy two-year diploma program in the Fall (September) term. All prospective candidates will normally be expected to attend a one-day program orientation prior to program commencement.

GENERAL ADMISSION REQUIREMENTS

All applicants must meet the general admission requirements for Lethbridge College programs, as indicated in the Admission section of this calendar.

ACADEMIC REQUIREMENTS

In addition to meeting the general admission requirements indicated in the Admission section of this calendar, applicants to this program must also satisfy the following specific course requirements (or equivalencies):

- Grade 12 biology

It is also recommended that students have working knowledge of word processing, spreadsheet and database software.

PRACTICE BASED EXPERIENCE (PBE) REQUIREMENTS

This program has a required Practice-Based Experience (PBE) component. The College dictates the legal terms and conditions governing the PBE.

Students must meet and maintain certain requirements to participate in the PBE setting as determined by programs, practice agencies and/or legislated by government bodies. These may include health (e.g. immunizations, screening tests, etc.), privacy and security (e.g. police information check, IT access, etc.), and OH&S requirements (e.g. CPR certification, Fire Safety, WHMIS, Mask Fit-testing, etc.).

As a post-secondary health care program in Alberta, provincial immunization standards apply to students in this program. As per the provincial "Standard for Immunization of Post-Secondary Health Care Students and Students in Other High-Risk Occupational Programs", all Post-Secondary Institutions (PSI) have the responsibility of assessing the immunization status of each healthcare student at the time of initial enrollment and to ensure all healthcare students are fully immunized before leaving post-secondary programs. There is an administrative fee for this assessment and vaccinations required to become fully immunized.

Workers' Compensation Board (WCB) coverage – PBE placement agencies and employers usually require WCB coverage on behalf of the student. Students enrolled in post-secondary institutions in Alberta are deemed to be employees of the Province of Alberta and, as such, provided WCB coverage. In certain instances, for students outside of Alberta, WCB coverage may not be provided (e.g. non-Alberta residents taking a course solely through distance learning with a PBE placement outside of Alberta). These students are advised to contact the program prior to application.

PBE's may include day, evening, and/or weekend schedules. Students will be expected to travel to assigned sites and will be responsible for arranging travel and any associated costs.

YOUR INVESTMENT

Program fees will vary. To view fee information for your program, go to lethbridgecollege.ca/programs and select your program.

Supplies such as linens and oils will be specified in class, and students are responsible for obtaining and maintaining them. Students are also required to purchase uniforms to be worn at all practice based experiences.

As part of the course program requirements, students are expected to book a massage with a registered massage therapist. This can cost anywhere from \$40 - \$100.

CURRICULUM

Year 1 Term I		Learning Credits
BIO 1160	Anatomy and Physiology I	3
CSP 1150	Medical Terminology (OL)	3
ENG 1156	Business Writing (OL)	3
MAS 1140	Basic Massage	3
MAS 1122	Practicum I	1.5
MAS 1152	Professional Practices for Massage Therapy	3
		16.5
Year 1 Term II		
ACC 1125	Service-Based Accounting	1.5
BIO 1146	Joints and Soft Tissues	3
BIO 1161	Anatomy and Physiology II	3
MAS 1125	Practicum II	3
MAS 1130	Pathology	3
MAS 1157	Massage Techniques I	3
		16.5

Massage Therapy Continued

Year 2 Term I		
MAS 2250	Advanced Massage	3
MAS 2253	Assessment for Massage Therapists I	3
MAS 2254	Special Populations I	3
MAS 2255	Practicum III	3
PED 2257	Therapeutic Exercise	3
15		
Year 2 Term II		
BUS 1124	Service-Based Small Business Management	3
MAS 2257	Massage Techniques II	3
MAS 2258	Assessment for Massage Therapists II	3
MAS 2259	Practicum IV	3
MAS 2260	Special Populations II	3
MAS 2261	Massage Seminar	1.5
16.5		
 (OL) indicates courses which are also available through Online Learning.		

TRANSFERS
Thompson Rivers University
 Graduates of Massage Therapy are eligible to receive a maximum of 54 transfer credits into the TRU Bachelor of Health Science or a maximum of 60 transfer credits into the TRU Bachelor of General Studies.

University of Lethbridge
 Graduates of the Massage Therapy diploma are eligible to be admitted into the University of Lethbridge's Post-Diploma Bachelor of Health Sciences degree program for completion of their Bachelor of Health Sciences degree.

University of Calgary
 Graduates of a two-year diploma program will be awarded up to five (5) full junior course options.

School of Health Sciences

Find out more about other programs offered in this school:

- Bachelor of Nursing.....p.47
- Bachelor of Nursing - After Degree.....p.50
- Perioperative Post-Diploma Nursing.....p.111
- Practical Nursing.....p.113
- Therapeutic Recreation - Gerontology.....p.117

lethbridgecollege.ca/programs

GRADUATION
 Upon successful completion of all program requirements, students are awarded a Massage Therapy diploma.

The Lethbridge College Massage Therapy Program meets Alberta requirements for Registered Massage Therapist (RMT) membership. Prospective students who reside outside of Alberta should research their provincial requirements for RMT membership.

Medical Device Reprocessing

Program Office: 403.320.3310 • csp@lethbridgecollege.ca

Office of the Program Chair: 403.320.3202 Ext. 5449 • Office of the Dean: 403.320.3403

Centre for Health and Wellness Placement Office: 403.320.3202 Ext. 5380

PROGRAM OVERVIEW

Sterile supplies are vital to safe medical practice. In our intensive 26-week program, you will learn how to handle, clean, assemble, function test and package surgical instruments and medical equipment. You will also develop an understanding of how microbiology, infection control, and aseptic technique relate to the field of medical device reprocessing.

This program will provide the foundation to becoming a certified Medical Device Reprocessing Technician.

CAREER OPPORTUNITIES

As a trained Medical Device Reprocessing Technician, you can work in a variety of medical environments, including:

- Hospital Central Processing Facilities
- Hospital Operating Rooms
- Hospitals
- Day Procedure Facilities
- Long-Term Care Facilities
- Private Health-Care Providers
- Surgical Centres

ADMISSIONS

New students are accepted into this program for the Fall (September) term only.

GENERAL ADMISSION REQUIREMENTS

All applicants must meet the general admission requirements for Lethbridge College programs, as indicated in the Admission section of this calendar.

PRACTICE BASED EXPERIENCE (PBE) REQUIREMENTS

This program has a required Practice-Based Experience (PBE) component. The College dictates the legal terms and conditions governing the PBE.

Students must meet and maintain certain requirements to participate in the PBE setting as determined by programs, practice agencies and/or legislated by government bodies. These may include health (e.g. immunizations, screening tests, etc.), privacy and security (e.g. police information check, IT access, etc.), and OH&S requirements (e.g. CPR certification, Fire Safety, WHMIS, Mask Fit-testing, etc.).

As a post-secondary health care program in Alberta, provincial immunization standards apply to students in this program. As per the provincial "Standard for Immunization of Post-Secondary Health Care Students and Students in Other High-Risk Occupational Programs", all Post-Secondary Institutions (PSI) have the responsibility of assessing the immunization status of each healthcare student at the time of initial enrollment and to ensure all healthcare students are fully immunized before leaving post-secondary programs. There is an administrative fee for this assessment and vaccinations required to become fully immunized.

Workers' Compensation Board (WCB) coverage – PBE placement agencies and employers usually require WCB coverage on behalf of the student. Students enrolled in post-secondary institutions in Alberta are deemed to be employees of the Province of Alberta and, as such, provided WCB coverage. In certain instances, for students outside of Alberta, WCB coverage may not be provided (e.g. non-Alberta residents taking a course solely through distance learning with a PBE placement outside of Alberta). These students are advised to contact the program prior to application.

PBE sites will include Lethbridge and may include surrounding rural communities. PBE's may include day, evening, and/or weekend schedules. Students will be expected to travel to assigned sites and will be responsible for arranging travel and any associated costs.

YOUR INVESTMENT

Program fees will vary. To view fee information for your program, go to lethbridgecollege.ca/programs and select your program.

CURRICULUM

Year I Term I	Learning Credits
BIO 1162 Microbiology (OL)	3
ENG 1154 Writing for Technologists (OL)	3
COM 1162 Interpersonal Relationships & Communications (OL)	3
CPU 1151 Introduction to Computers (OL)	1.5
CSP 1150 Medical Terminology/Anatomy And Physiology (OL)	3
CSP 1160 Surgical Instrument Processing (OL)	6
	19.5
Year I Term II	
CSP 1142 MDR Practicum (400 hours)	6
	6

(OL) indicates courses which are also available through Online Learning.

Some courses are also available on-campus. Please refer to the online Academic Timetable for course availability.

Important Notes:

1. BIO-1162 has an on-campus lab experience to support knowledge/skill development. Attendance is required.
2. CSP-1142 is a 10-week, full-time, face-to-face practicum offered at the Chinook Regional Hospital. Contact the Program Chair, prior to or upon acceptance into the program, if you would like alternate practicum placements considered.

GRADUATION

Upon successful completion of all program requirements, students will be awarded a certificate in Medical Device Reprocessing.

School of Allied Health

Find out more about other programs offered in this school:

- Community Health Promotionp.62
- Health Care Aidep.100
- Unit Clerk Training.....p.120

lethbridgecollege.ca/programs

Multimedia Production

Program Office: 403.320.3267 • multimedia@lethbridgecollege.ca

Office of the Chair: 403.320.3202 Extension 5362

Office of the Dean: 403.317.3597

PROGRAM OVERVIEW

It all starts with a passion for communication and the desire to use current interactive technologies to enrich the ways in which we communicate. Today, multimedia is often referred to as “the new media”, but it’s only ‘new’ in the sense that technology has given us new opportunities for communicating, both verbally and visually.

Science fiction writer Arthur C. Clark once made the observation that for those who don’t grasp the underlying technology, any sufficiently advanced technology is indistinguishable from magic. Multimedia content creators are the masters of that kind of magic. Behind those moments of magic that you experience on a variety of devices every day, there are real people with real, industry-level skills in web and interactive programming, layout and design, 2-D and 3-D animation, and video and audio editing, and these are the people who routinely make the magic happen – on the largest stage ever conceived!

Along with skill-development in new media technologies, you will learn how to identify and develop commercially viable ideas, pitch your ideas to employers or prospective clients, and plan and manage projects. You will be given an opportunity to independently research and develop a capstone project in one of the following areas of applied concentration: web and interactive programming, video and motion graphics, or e-learning technologies. In your final semester, you will gain hands-on industry experience through a 120-hour practicum.

If you have the kind of mind that moves quickly from the ‘mystifying’ experience itself to wondering how it was done and wanting to do it yourself, then the Multimedia Production Program at Lethbridge College could put you on the path to a career in the new media industry.

CAREER OPPORTUNITIES

Our Multimedia Production diploma will prepare you for entry-level positions in a wide range of fields, including:

- 2D/3D Animator
- New Media E-Learning Specialist
- New Media Entrepreneur
- Web and Interactive Media Designer
- Web and Interactive Programmer/ Developer
- Front-end Developer

- Mobile App Developer
- Motion Graphics Specialist
- Interactive Advertising/Marketing Specialist
- Business Training Developer
- Web Game/Simulation Designer/ Developer
- Interactive Narrative Designer
- Social Media Strategist
- User Experience Designer
- Freelancer

ADMISSIONS

New students are accepted into the Multimedia Production program for the Fall (September) term.

GENERAL ADMISSION REQUIREMENTS

All applicants must meet the general admission requirements for Lethbridge College programs, as indicated in the Admission section of this calendar.

Multimedia Production assumes professional standards for research and writing. All program assignments must be typed. Lack of keyboarding skills could inhibit achievement. Applicants who enter and complete the Multimedia Production program without a high school diploma, or equivalent may not be eligible for advanced placement in college and university diploma and degree programs under current and future transfer agreements.

PRACTICUM EXPERIENCE REQUIREMENTS

There is a required practicum component to this program. The College dictates the legal terms and conditions governing the practicum experience.

YOUR INVESTMENT

Program fees will vary. To view fee information for your program, go to lethbridgecollege.ca/programs and select your program.

MOBILE LEARNING PROGRAM

This is a Mobile Learning Program that requires students to supply their own device with required minimum specifications. Go to www.lethbridgecollege.ca/mobilelearning for additional information.

CURRICULUM

(May be offered in a different sequence)

Year 1 Term I	Learning Credits
RSR 1160 Research & Writing for New Media	3
DES 1155 Graphic Design	3
CMM 1153 Digital Audio	3
CMM 1156 Digital Video	3
CMM 1163 Scripting for Multimedia & the Web	3
	15
Year 1 Term II	
CMM 1165 Coding with Web Standards	3
CMM 1185 The Principles of Animation	3
DES 1156 Web Graphics, Layout, and Interface Design	3
WRI 1150 Writing for Interactive Media	3
CAP 1158 Communication Process	3
OR	
COM 1162 Interpersonal Relationships and Communication (OL)	3
	15
Year 2 Term I	
CMM 2285 3D Modeling and Animation with Maya	3
CMM 2288 Programming Rich-Media Applications	3
CMM 2291 Professional Foundations	3
RSR 2257 Video Graphics and Compositing	3
RSR 2270 Interactive Project	3
	15
Year 2 Term II	
BUS 1124 Service-Based Small Business Management	3
CMM 2284 Professional Portfolio	3
CMM 2292 Proseminar	3
CMM 2293 Capstone Project	3
FWK 2253 Managed Internship	3
	15

GRADUATION

Upon successful completion of all program requirements, students are awarded a Multimedia Production diploma.

Multimedia Production Continued

TRANSFERS

University of Calgary

Graduates of the Multimedia Production diploma are eligible to enter Year 3 of the Bachelor of Communication and Media Studies degree and will receive 48 credits towards Communication Studies (CMST) courses.

Graduates of the Multimedia Production diploma are eligible to enter into the Bachelor of Arts in Communication Studies.

Athabasca University

Graduates of Multimedia Production will receive two years' credit towards a Bachelor of Professional Arts in Communications from Athabasca University, before completing an additional 60 credits of the university's 120-credit program.

Royal Roads University

Graduates of the Multimedia Production diploma are eligible for full block transfer into the third year of the Bachelor of Arts in Professional Communication provided all appropriate prerequisite qualifications and all other entrance criteria are met as per program admission requirements (refer to Royal Roads website: www.royalroads.ca) and space remains available in the program. Entrance to all programs at Royal Roads University is on a competitive basis.

Southern Alberta Institute of Technology (SAIT)

Students who have successfully completed the first year of Lethbridge College's Multimedia Production diploma are eligible for admission to the second year of SAIT's New Media Production and Design diploma program provided all other admission requirements are met and space available.

Red Deer College

The Applied Degree in Motion Picture Arts at Red Deer College enables students who have completed two years of related post-secondary studies (or equivalent) to expand and apply their training to the rapidly growing motion picture, television and multimedia industries. The program has two streams: Production Stream and the Acting Stream. Subject to admission requirements. Please contact creativearts@rdc.ab.ca for more information.

School of Media & Design

Find out more about other programs offered in this school:

- Digital Communications and Mediap.74
- Fashion Design and Sustainable Productionp.89
- Interior Design Technologyp.101

lethbridgecollege.ca/programs

Natural Resource Compliance

Program Office: 403.382.6991 • envisci@lethbridgecollege.ca

Office of the Chair: 403.320.3232

Office of the Dean: 403.317.3597

PROGRAM OVERVIEW

Combining resource management and conservation law, this two-year diploma offers learners a solid foundation in conservation law enforcement. Students will develop an understanding of the fundamentals of detection and investigation of natural resource violations. With a blend of lectures, labs, and field trips, students will develop the confidence to perform entry level work in the conservation enforcement field. Learners completing the diploma in Natural Resource Compliance are also able to continue their education by entering directly into the third year of the Bachelor of Applied Science in Conservation Enforcement degree program.

CAREER OPPORTUNITIES

- Conservation Officer
- Fishery Officer
- Park Patrol Officer
- Park Ranger
- Environmental Investigator/Inspector
- Municipal Police Officer
- RCMP Officer
- Fish and Wildlife Officer
- Wildlife Investigator
- Pollution Control Officer
- Resource Management Officer

ADMISSIONS

New students are accepted into the Natural Resource Compliance program for the Fall term only.

GENERAL ADMISSION REQUIREMENTS

All applicants must meet the general admission requirements for Lethbridge College programs, as indicated in the Admission section of this calendar.

ACADEMIC REQUIREMENTS

In addition to meeting the general admission requirements indicated in the Admission section of this calendar, applicants to this program must also satisfy the following specific course requirements (or equivalencies):

- Grade 11 biology
- Grade 12 math (equivalent to Alberta's Math 30-2 or a higher level math)

Basic computer literacy in the use of the Internet, e-mail, word processing and fundamental processes of spreadsheets is required for the student to be successful in this program. Students lacking these skills are strongly urged to complete a basic computer literacy course prior to entering this program.

EFFECTIVE JULY 1, 2018, the academic requirements will be changed to the following:

In addition to meeting the general admission requirements indicated in the Admission section of this calendar, applicants to this program must also satisfy the following specific course requirements (or equivalencies):

- Grade 11 biology
- Grade 12 math (equivalent to Alberta's Math 30-2 or a higher level math)

Note: Admission is competitive.

Competitive marks will be based on the average of grades in Grade 12 math and English and Grade 11 biology.

EMPLOYABILITY

- Natural Resource Law Enforcement Officer positions have specific physical requirements such as vision, hearing and physical fitness. The specific requirements differ with each agency. It is the applicant's responsibility to confirm that they meet the requirements of the agencies with which they hope to work.
- Persons with a criminal record may have difficulty competing for jobs as Conservation Enforcement Officers in Canada.
- Employers often require that students hold a valid Standard First Aid or Wilderness First Aid Certificate and/or a CPR Certificate to be eligible for seasonal and/ or permanent employment. Students are encouraged to obtain these certificates either prior to entering the program or during the first term.
- A number of workshops and short courses sponsored by various agencies are available on evenings and weekends. Students are encouraged to attend these sessions to enhance their credentials for employment.

YOUR INVESTMENT

Program fees will vary. To view fee information for your program, go to lethbridgecollege.ca/programs and select your program.

Students are responsible for the cost of the field trips relating to this program.

FIELD STUDIES SUPPLIES

Students on field studies are expected to provide their own equipment and supplies. This includes: warm sleeping bag, ground sheet and pad, tent may be required (notification will be given at orientation), back pack for gear, adequate clothing for cold/wet weather, hiking boots, work gloves, cooking and eating gear (may be shared), food, binoculars, digital camera (standard feature), orienteering compass, chest waders, field equipment vest (recommended), "write-in-the-rain" treated field notebook/surveyors book, water bottle, sunscreen, safety glasses (3rd year), 30 cm metric steel ruler. Field studies schedules are dependent on many variables and may require students to participate on weekends. All program field studies require mandatory attendance.

OTHER REQUIRED SUPPLIES

Available from Lethbridge College Bookstore: Lab coat, safety glasses, Douglas protractor, "write-in-the-rain" field notebook/surveyors book, 16X hand lens, dissection kit, metric triangular scale with 1:20, 1:25, 1:50, 1:75, 1:100 and 1:125 graduations.

Available from Sporting, Hardware and Office Supply Stores: Nexus Type 115 or Silva Ranger compass (with declination adjustment screw), clipboard, 4 GB or higher USB memory stick, chest waders, scientific calculator (\$15-\$30 range), 12 or more coloured pencils (pencil crayons), binoculars (8X40 or 10X50 magnification), 30 cm metric steel ruler.

For additional information concerning lab or field equipment, contact the lab coordinator at 403.320.3202, Extension 5594.

Natural Resource Compliance Continued

CURRICULUM

Year 1 Term I Learning Credits

*BIO 1172	Ecology	3
ENG 1155	Scientific and Technical Writing	3
*GEO 1156	Earth Sciences	3
LAW 1161	Introduction to Natural Resource Law	3
STS 1155	Descriptive Statistics	3
		15

Year 1 Term II

*BIO 1167	Botany	3
*BIO 1168	Zoology	3
DCE 2255	Ethics and Career Development	3
*ENV 2265	Parks and Recreation Operations	3
*RRM 1197	Spatial Information Techniques	3
		15

Year 2 Term I

*CJP 2269	Patrol Procedures	3
LAW 2264	Courtroom Procedures	3
*RRM 2250	Grassland and Forest Resources	3
RRM 2298	Conservation Biology	3
*RRM 2299	Fire Management	3
		15

Year 2 Term II

*CEN 2269	Field Investigation Techniques	3
CJP 2267	Natural Resource Legislation	3
COM 2263	Interpersonal Skills in Resource Enforcement	3
*RRM 2258	Principles of Wildlife Biology	3
*RRM 2259	Principles of Fisheries Science	3
		15

* Indicates courses with a field study component.

Students will be expected to complete non-credit environmental field techniques courses as part of the requirements to complete the program. Courses such as bear safety, firearms safety, pleasure craft operator's card and boat operations will occur as part of field trip season activities.

Students will be responsible for the fees associated with these courses. Prior valid training possessed by students will be considered for recognition.

GRADUATION

Upon successful completion of the program, students are awarded a Natural Resource Compliance diploma.

TRANSFERS

Interested students can obtain further information on these partnerships from the School of Environmental Sciences Chair. Students wish to continue studies at other institutions must meet the entrance requirements of that institution.

Lethbridge College

Graduates of the Natural Resource Compliance diploma may be eligible for up to 60 credits towards a Bachelor of Applied Science in Conservation Enforcement or a Bachelor of Applied Science in Ecosystem Management. Details regarding these programs can be found in the academic calendar or on the Lethbridge College website.

Royal Roads University

Graduates of the Natural Resource Compliance diploma are eligible for full block transfer into the Bachelor of Science in Environmental Practice and the Bachelor of Arts in Environmental Practice. Graduates may also receive full block transfer to the Bachelor of Science in Environmental Science and the Bachelor of Science in Environmental Management. Two additional courses in math (calculus, linear algebra, physics), and two additional university level courses need to be completed upon arrival.

University of Calgary

Graduates of a two-year diploma program will be awarded up to five (5) full junior course options.

School of Environmental Sciences

Find out more about other programs offered in this school:

- Conservation Enforcement - Bachelor of Applied Sciences.....p.66
- Ecosystem Management - Bachelor of Applied Sciencep.78
- Environmental Assessment and Restoration.....p.85
- Renewable Resource Managementp.115

lethbridgecollege.ca/programs

Perioperative Post-Diploma Nursing

Program Office: 403.320.3310 • perioperative.nursing@lethbridgecollege.ca

Office of the Program Chair: 403.320.3202 Ext. 5449

Office of the Dean: 403.320.3403 • Centre for Health and Wellness Placement Office: 403.320.3202 Ext. 5380

PROGRAM OVERVIEW

Are you a Registered Nurse who would like to work in the operating room? Our Perioperative Post-Diploma Nursing program will give you a comprehensive, practical introduction to providing patient care in surgical intervention facilities.

You'll further develop your understanding of the professional and clinical standards of Perioperative nursing, the scrub role and the circulating role through self-study. We make sure you balance this understanding with a face-to-face experience in a clinical setting followed by a practicum.

At the end of the program, you'll have a certificate in Perioperative Post-Diploma Nursing, and you'll be prepared to offer the best in Perioperative care to your patients.

CAREER OPPORTUNITIES

Perioperative Nurses will be able to work in health care facilities that provide surgical areas, including recovery, day surgery and day procedures.

ADMISSIONS

New students are accepted into the Perioperative Post-Diploma Nursing program for the Fall (September) term. Additional intakes may be offered throughout the calendar year, please contact the Program Chair for more information.

GENERAL ADMISSION REQUIREMENTS

All applicants must meet the general admission requirements for Lethbridge College programs, as indicated in the Admission section of this calendar.

ACADEMIC REQUIREMENTS

The following must be completed prior to start of the program:

- Proof of Active License to practice as a Registered Nurse in Alberta as granted by CARNA

PRACTICE BASED EXPERIENCE (PBE) REQUIREMENTS

This program has a required Practice-Based Experience (PBE) component. The College dictates the legal terms and conditions governing the PBE.

Students must meet and maintain certain requirements to participate in the PBE setting as determined by programs, practice agencies and/or legislated by government bodies.

These may include health (e.g. immunizations, screening tests, etc.), privacy and security (e.g. police information check, IT access, etc.), and OH&S requirements (e.g. CPR certification, Fire Safety, WHMIS, Mask Fit-testing, etc.).

As a post-secondary health care program in Alberta, provincial immunization standards apply to students in this program. As per the provincial "Standard for Immunization of Post-Secondary Health Care Students and Students in Other High-Risk Occupational Programs", all Post-Secondary Institutions (PSI) have the responsibility of assessing the immunization status of each healthcare student at the time of initial enrollment and to ensure all healthcare students are fully immunized before leaving post-secondary programs. There is an administrative fee for this assessment and vaccinations required to become fully immunized.

Workers' Compensation Board (WCB) coverage – PBE placement agencies and employers usually require WCB coverage on behalf of the student. Students enrolled in post-secondary institutions in Alberta are deemed to be employees of the Province of Alberta and, as such, provided WCB coverage. In certain instances, for students outside of Alberta, WCB coverage may not be provided (e.g. non-Alberta residents taking a course solely through distance learning with a PBE placement outside of Alberta). These students are advised to contact the program prior to application.

PBE sites will include Lethbridge and may include surrounding rural communities. PBE's may include day, evening, and/ or weekend schedules. Students will be expected to travel to assigned sites and will be responsible for arranging travel and any associated costs.

YOUR INVESTMENT

Program fees will vary. To view fee information for your program, go to lethbridgecollege.ca/programs and select your program.

CURRICULUM

Year 1 Term I	Learning Credits
PEN 3390 Professional and Clinical Standards of Perioperative Nursing (OL)	3
PEN 3395 Standards of the Scrub and Circulating Role (OL)	3
	6
Year 1 Term II	
PEN 3396 Competencies of the Scrub and Circulating Role	3
PEN 3393 Implementation of Standards and Competencies (Clinical)	6
PEN 3394 Perioperative Practicum	3
	12
(OL) indicates courses available through Online Learning.	

Important Note: All courses in Term II are completed sequentially in a full-time, face-to-face, off-campus environment at a local or rural medical facility. PEN 3396, PEN 3393, and PEN 3394 combined equal a minimum of 44 – 8 hour shifts.

Contact the Program Chair prior to or upon acceptance if you would like alternate practicum placements considered.

GRADUATION

Upon successful completion of all program requirements, students are awarded a certificate in Perioperative Post-Diploma Nursing.

School of Health Sciences

Find out more about other programs offered in this school:

- Bachelor of Nursing p.47
- Bachelor of Nursing - After Degree p.50
- Massage Therapy p.104
- Practical Nursing p.113
- Therapeutic Recreation - Gerontology p.117

lethbridgecollege.ca/programs

Police Recruit Training

(This program is currently undergoing curriculum redesign.)

Program Office: 403.320.3418 • infojustice@lethbridgecollege.ca

Program Administrator: 403.329.7230

Office of the Dean: 403.317.3568

PROGRAM OVERVIEW

The Police Recruit Training program was developed through collaboration between Lethbridge College and the police services of southern Alberta to address the educational and training needs of newly hired police officers. Program content meets or exceeds provincial standards for police recruit training, providing the necessary knowledge and skills for learners to effectively serve in the role of an officer.

ADMISSIONS

Admission is restricted to those students who have been hired or sponsored by a police service or related agency.

GENERAL ADMISSION REQUIREMENTS

All applicants must meet the general admission requirements for Lethbridge College programs, as indicated in the Admission section of this calendar.

ACADEMIC REQUIREMENTS

All admission requirements are stipulated by sponsoring police service or related agency.

NON-ACADEMIC REQUIREMENTS

Due to the nature and content of the program, there are specific requirements that must be completed. Results of all required testing will be reviewed by the applicable Police Chief or Dean or designate to determine eligibility for lab activities. Eligibility may be denied if the learner is unable to meet all requirements.

MEDICAL REQUIREMENTS

Applicants are required to take a number of medical tests to ensure suitability for program activities.

YOUR INVESTMENT

Program fees will vary. To view fee information for your program, go to www.lethbridgecollege.ca/programs and select your program.

CURRICULUM

		Learning Credits
CJP 1156	Law Enforcement Firearms	3
CJP 1171	Reasonable Officer Response	6
CJP 1173	Investigative Techniques I	3
CJP 1186	Investigative Techniques II	3
ENG 1146	Technical Report Writing	3
HUM 2250	Police and Community Relations	3
LAW 1180	Provincial and Federal Statutes	3
LAW 1191	Enforcement Law	3
PED 1195	Fitness Training for Police Recruits	1.5
TRS 1158	Emergency Vehicle Operations	1.5
		30

GRADUATION

Upon successful completion of all program requirements, students are awarded a Credential of Academic Achievement in Police Recruit Training.

School of Public Safety

Find out more about other programs offered in this school:

• Commercial Vehicle Enforcementp.61

lethbridgecollege.ca/programs

Practical Nursing

Program Office: 403.320.3211 • practicalnursing@lethbridgecollege.ca

Office of the Program Chair: 403.320.3202 Ext. 5713

Office of the Dean: 403.320.3464 • Centre for Health and Wellness Placement Office: 403.320.3202 Ext. 5380

PROGRAM OVERVIEW

The Practical Nursing program provides students with the education to meet the Entry to Practice Competencies required upon entry into the Licensed Practical Nurse profession, as identified by the College of Licensed Practical Nurses of Alberta.

The program incorporates the knowledge, skills, judgements and personal attributes through theory, labs, and clinical experiences.

The Practical Nursing program consists of four (4) terms of theory labs and clinical experiences plus an additional fifth term that is a preceptor-led clinical experience.

CAREER OPPORTUNITIES

Upon successful completion of your diploma and passing the national Practical Nursing exam, career opportunities exist in a variety of health care settings ranging from acute care to long-term care and from large public health agencies.

Practical Nurses are part of an inter-professional collaborative team and play a primary role in managing the needs and complexity of the client.

ADMISSIONS

New intakes are in September of each year.

GENERAL ADMISSION REQUIREMENTS

All applicants must meet the general admission requirements for Lethbridge College programs, as indicated in the Admission section of this calendar.

ACADEMIC REQUIREMENTS

In addition to meeting the general admission requirements indicated in the Admission section of this calendar, applicants to this program must also satisfy the following specific course requirements (or equivalencies):

- 60 percent minimum in English Language Arts (ELA) 30-1 or 70 percent in ELA 30-2;
- 60 percent minimum in Math 20-1 or a higher level math;
- 60 percent minimum in Biology 30 or C- in BIO-1160 (Anatomy and Physiology I) at Lethbridge College, or equivalent.

Note: Admission is competitive and is based on a point system for percentages in biology, math and English. More points will be awarded for higher grades and for the higher levels of math and English (i.e. 30-1). The points are then cumulative to determine placement for competitive entry.

ENGLISH LANGUAGE PROFICIENCY REQUIREMENTS FOR PRACTICAL NURSING PROGRAM

In addition to the academic requirements, if English is not your first language, English Language Proficiency (ELP) must be demonstrated within the last two (2) years prior to the application. Acceptable evidence of ELP may be one of the following:

- IELTS Academic with a minimum band score of 6.5 in speaking, 6.5 in listening, 6.0 in reading, and 6.5 in writing
- TOEFL Internet-based test score with a minimum score of 22 in speaking, 23 in listening, 21 in reading, and 25 in writing
- Transcripts demonstrating successful completion of three (3) years of full-time secondary education at a school where English was the principal language of instruction
- Transcripts demonstrating successful completion of one (1) year of full-time post-secondary education at a school where English was the principal language of instruction

Note: Meeting the English Language Proficiency requirement does NOT exempt the applicant from meeting the English academic admission requirement for entry to this program.

HEALTH CARE AIDE PATHWAY

The Health Care Aide pathway is designed to recognize prior learning of individuals who have successfully completed a recognized Health Care Aide certificate program. Applicants will be granted prior learning credit for PNG-1146 and PNG-1147 based on the following requirements:

- Successful completion of a recognized Alberta provincial standard Health Care Aide certificate program within the last five (5) years;
- Documented evidence of a minimum of 1000 hours working as a paid Health Care Aide within the last two (2) years in a health care facility.

Note: Applicants must still meet admission and competitive academic requirements.

PRACTICE BASED EXPERIENCE (PBE) REQUIREMENTS

This program has a required Practice-Based Experience (PBE) component. The College dictates the legal terms and conditions governing the PBE.

Students must meet and maintain certain requirements to participate in the PBE setting as determined by programs, practice agencies and/or legislated by government bodies. These may include health (e.g. immunizations, screening tests, etc.), privacy and security (e.g. police information check, IT access, etc.), and OH&S requirements (e.g. CPR certification, Fire Safety, WHMIS, Mask Fit-testing, etc.).

As a post-secondary health care program in Alberta, provincial immunization standards apply to students in this program. As per the provincial "Standard for Immunization of Post-Secondary Health Care Students and Students in Other High-Risk Occupational Programs", all Post-Secondary Institutions (PSI) have the responsibility of assessing the immunization status of each healthcare student at the time of initial enrollment and to ensure all healthcare students are fully immunized before leaving post-secondary programs. There is an administrative fee for this assessment and vaccinations required to become fully immunized.

Workers' Compensation Board (WCB) coverage – PBE placement agencies and employers usually require WCB coverage on behalf of the student. Students enrolled in post-secondary institutions in Alberta are deemed to be employees of the Province of Alberta and, as such, provided WCB coverage. In certain instances, for students outside of Alberta, WCB coverage may not be provided (e.g. non-Alberta residents taking a course solely through distance learning with a PBE placement outside of Alberta). These students are advised to contact the program prior to application.

PBE sites will include Lethbridge and may include surrounding rural communities. PBE's may include day, evening, and/or weekend schedules. Students will be expected to travel to assigned sites and will be responsible for arranging travel and any associated costs.

Practical Nursing Continued

YOUR INVESTMENT

Program fees will vary. To view fee information for your program, go to lethbridgecollege.ca/programs and select your program.

CURRICULUM

Year 1 Term I Learning Credits

BIO 1156	Wellness & Health Issues (OL)	3
BIO 1160	Anatomy & Physiology I (OL)	3
ENG 1150	English Composition (OL)	3
COM 1162	Interpersonal Relationships & Communication (OL)	3
PNG 1145	Health & the Practical Nurse (Theory I)	3
PNG 1146	Basic Nursing Skills (Practice I)	3
PNG 1147	PN Clinical I	1.5
		19.5

Year 1 Term II

BIO 1161	Anatomy & Physiology II (OL)	3
PNG 1148	Health and Individuals (Theory II)	3
PNG 1149	Intermediate Nursing Skills (Practice II)	3
PNG 1154	PN Clinical II	3
PNG 1159	Pharmacology	3
PNG 1167	Health Assessment	3
		18

Year 2 Term I

PNG 2251	Health and Illness (Theory III)	3
PNG 2252	Senior Nursing Skills (Practice III)	3
PNG 2253	PN Clinical III	3
PNG 2254	Mental Health Nursing	3
PNG 2256	Pathophysiology	3
PSY 1170	Human Development Across the Lifespan (OL)	3
		18

Year 2 Term II

PNG 2255	Professional Growth	3
PNG 2257	Health and Families (Theory IV)	3
PNG 2260	Full Scope of Practice Skills (Practice IV)	3
PNG 2259	PN Clinical IV	6
PNG 2267	Community Nursing	3
SOC 1167	Sociology of Aging (OL)	3
		21

Year 2 Term III

PNG 2277	Comprehensive Practicum	6
		6

(OL) indicates courses which are also available through Online Learning.

General Requirements

All specialized courses in one term must be successfully completed to advance to the next term's specialty courses.

To remain in good standing, students must attain a minimum term grade point average (GPA) of 1.7 in all Arts and Science courses and a minimum term GPA of 2.3 in all nursing related courses.

A final minimum grade of C is required in all PNG (nursing) courses to pass the course. A student who receives a grade of C- or lower must repeat the course prior to proceeding in the program.

Students who have a gap in Practical Nursing studies must provide 4 months' written notice to the Program Chair prior to the term they desire to continue in or return to for completion.

Students required to repeat any PNG (nursing) course, must meet with the Program Chair to discuss a progress plan.

Students who are unsuccessful in passing any course must successfully complete COL-1130 (Achieving College Success).

Important Notes:

1. Students seeking Prior Learning Assessment & Recognition (PLAR) should contact the Program Chair immediately upon accepted admission to the program to allow sufficient time for assessment.
2. Students receive a program handbook upon acceptance into the program outlining the program's policies and expectations. It is very important for learners to review and understand these requirements.
3. Students are encouraged to take the general elective courses prior to acceptance into the program.

GRADUATION

To be eligible to graduate, students must attain a passing overall program grade point average (GPA) of 1.7.

All requirements must be met within five years of the first nursing course used towards the diploma.

Upon successful completion of all program requirements, students are awarded a diploma in Practical Nursing.

Graduates are eligible for licensure through the College of Licensed Practical Nurses of Alberta upon payment of a fee and successfully passing a national practical nurse examination.

TRANSFERS

Thompson Rivers University

Graduates of Practical Nursing are eligible to receive a maximum of 57 transfer credits into the TRU Bachelor of Health Science or a maximum of 60 transfer credits into the TRU Bachelor of General Studies.

University of Calgary

Graduates of a two-year diploma program will be awarded up to five (5) full junior course options.

University of Lethbridge

Graduates of the Practical Nursing diploma are eligible to be admitted into the University of Lethbridge's Post-Diploma Bachelor of Health Sciences degree program for completion of their Bachelor of Health Sciences degree.

School of Health Sciences

Find out more about other programs offered in this school:

- Bachelor of Nursing.....p.47
- Bachelor of Nursing - After Degreep.50
- Massage Therapy.....p.104
- Perioperative Post-Diploma Nursing.....p.111
- Therapeutic Recreation - Gerontology.....p.117

lethbridgecollege.ca/programs

Renewable Resource Management

Program Office: 403.382.6991 • envisci@lethbridgecollege.ca

Office of the Chair: 403.320.3232

Office of the Dean: 403.317.3597

PROGRAM OVERVIEW

Collecting and interpreting environmental information forms the foundation of natural resource management. Our rigorous two-year diploma program in Renewable Resource Management will provide you with the applied science skills you'll need to make a career in the sustainable management of natural resources.

Our intensive blend of theory and hands-on practice gives you a comprehensive grounding in fields ranging from zoology and plant taxonomy to statistics, aerial photography interpretation and Geographic Information Systems (GIS). You'll understand the application of science and be ready to demonstrate your abilities through extensive fieldwork each term. In the field studies, you'll assess fish populations by gill netting, use telemetry to measure wildlife movements, use GIS to interpret grazing patterns and learn how to apply forest silvicultural practices, among other things. Our diploma program gives you the tools to build a successful career in the sustainable management of natural resources.

CAREER OPPORTUNITIES

Our diploma program will prepare you for work in a wide variety of environmental and natural resource management career opportunities, including employment as:

- Biological Technician
 - Field Research Technician
 - Environmental Technician
 - Resource Management Technician
- Employment is found with government agencies, private environmental organizations, environmental (non-governmental) consulting firms, and natural resource industries (oil, gas, mining, and forestry).

ADMISSIONS

New students are accepted into the Renewable Resource Management two-year diploma program for the Fall term (September) only.

GENERAL ADMISSION REQUIREMENTS

All applicants must meet the general admission requirements for Lethbridge College programs, as indicated in the Admission section of this calendar.

ACADEMIC REQUIREMENTS

In addition to meeting the general admission requirements indicated in the Admission section of this calendar,

applicants to this program must also satisfy the following specific course requirements (or equivalencies):

- Grade 11 biology
- Grade 11 chemistry
- Grade 12 math (equivalent to Alberta's Math 30-2 or a higher level math)

Basic computer literacy in the use of the Internet, e-mail, word processing, and fundamental processes of spreadsheets is required for the student to be successful in this program. Students lacking these skills are strongly urged to complete a basic computer literacy course prior to entering this program.

Employers often require that students hold a valid Standard First Aid or Wilderness First Aid Certificate and/or a CPR Certificate to be eligible for seasonal and/or permanent employment. Students are encouraged to obtain these certificates either prior to entering the program or during the first term.

YOUR INVESTMENT

Program fees will vary. To view fee information for your program, go to lethbridgecollege.ca/programs and select your program.

Students are responsible for the cost of the field trips relating to this program.

SUPPLIES FOR FIELD STUDIES

Students on field studies are expected to provide their own equipment and supplies. This includes: warm sleeping bag, ground sheet and pad, tent may be required (notification will be given at orientation), back pack for gear, adequate clothing for cold/wet weather, hiking boots, work gloves, cooking and eating gear (may be shared), food, binoculars, digital camera (standard feature), orienteering compass, chest waders, field equipment vest (recommended), "write-in-the-rain" treated field notebook/surveyors book, water bottle, sunscreen, 30 cm metric steel ruler.

OTHER REQUIRED SUPPLIES

Available from the Lethbridge College Bookstore: Lab coat, safety glasses, Douglas protractor, "write-in-the-rain" treated field notebook/surveyors book, 16X hand lens, dissection kit, metric triangular scale with 1:20, 1:25, 1:50, 1:75, 1:100 and 1:125 graduations.

Available from sporting, hardware and office supply stores: Nexus Type 115 or Silva Ranger compass (with declination adjustment screw), clipboard, 4 GB or higher USB memory stick, chest waders, scientific calculator (\$15 - \$30 range), 12 or more colored pencils (pencil crayons), binoculars (8 X 40 or 10 X 50 magnification), 30 cm metric steel ruler.

For additional information concerning lab or field equipment, contact the lab coordinator at 403.320.3202, Extension 5594.

CURRICULUM

Year 1 Term I	Learning Credits
*BIO 1167 Botany	3
*BIO 1168 Zoology	3
*GEO 1166 Physical Geology	3
LAW 1150 Introduction to Environmental Law	3
*RRM 1197 Spatial Information Techniques	3
	15
Year 1 Term II	
*BIO 1170 Plant Systematics	3
*BIO 1172 Ecology	3
ENG 1155 Scientific & Technical Writing	3
GEO 1165 Geographic Information Systems	3
STS 1155 Descriptive Statistics	3
	15
Year 2 Term I	
*RRM 2256 Rangeland Management	3
*RRM 2258 Principles of Wildlife Biology	3
*RRM 2259 Principles of Fishery Science	3
*RRM 2264 Forest Management	3
RRM 2298 Conservation Biology	3
	15
Year 2 Term II	
*RRM 2252 Water Resources	3
*RRM 2253 Soil Resources	3
*RRM 2291 Wildlife Habitat Management	3
*RRM 2293 Fish Habitat Management	3
*RRM 2299 Fire Management	3
	15

* Indicates courses with a field study component.

Renewable Resource Management Continued

Special note about field studies:

Students are off-campus completing field studies during most of September and April. Due to scheduling conflicts it is extremely difficult to take Year 1 and Year 2 courses simultaneously.

Students are advised to complete all Year 1 courses before proceeding to Year 2, and all Year 2 courses before enrolling in Year 3 courses (for related post-diploma certificate or degree programs).

In the Fall term, field studies are in September, while in the Winter term, field studies are scheduled in April. Field studies schedules are dependent on many variables and may require students to participate on weekends or on statutory holidays. All program field studies are mandatory.

Students will be expected to complete non-credit environmental field techniques courses as part of the requirement to complete the program. Courses such as bear safety, firearms safety, pleasure craft operator's card and boat operations will occur as part of field trip season activities. Students will be responsible for the fees associated with these courses. Prior valid training possessed by students will be considered for recognition.

GRADUATION

Upon successful completion of all program requirements, students are awarded a Renewable Resource Management diploma.

School of Environmental Sciences

Find out more about other programs offered in this school:

- Conservation Enforcement - Bachelor of Applied Sciences.....p.66
- Ecosystem Management - Bachelor of Applied Sciencep.78
- Environmental Assessment and Restorationp.85
- Natural Resource Compliancep.109

lethbridgecollege.ca/programs

TRANSFERS

Interested students can obtain further information on these partnerships from the School of Environmental Science Chair. Students wishing to continue studies at other institutions must meet the entrance requirements of that institution.

Lethbridge College

Graduates of the Renewable Resource Management diploma may be eligible for up to 60 credits towards a Bachelor of Applied Science in Ecosystem Management or a Bachelor of Applied Science in Conservation Enforcement. Details regarding these programs can be found in the academic calendar or on the Lethbridge College website.

University of Lethbridge

Graduates of the two-year diploma program in Environmental Assessment and Restoration or Renewable Resource Management receive two years' credit toward a post-diploma Bachelor of Science Degree in Environmental Science from the University of Lethbridge. Students who obtain Lethbridge College's Fish and Wildlife Technology Post-Diploma Certificate are eligible for a half year extra credit toward the degree.

University of Alberta

Graduates of the two-year diploma in Environmental Assessment and Restoration or Renewable Resource Management receive two years' full credit toward a Post-Diploma Bachelor of Science degree in Environmental and Conservation Sciences, Land Reclamation program. Students must meet the U of A's entrance requirements.

University of Calgary

Graduates of a two-year diploma program will be awarded up to five (5) full junior course options.

Graduates of the two-year Renewable Resource Management diploma program may receive up to 1.5 years' credit toward a Bachelor of Science degree in Natural Resource Management at the University of Northern British Columbia (UNBC). Credit depends on academic performance, course selection and approval of course equivalencies by the UNBC Program Leader of Forestry for degree specializations (Forestry, Fisheries, Wildlife and Outdoor Recreation).

Athabasca University

Graduates of the two-year Renewable Resource Management diploma program receive 30 credits towards a three or four-year Bachelor of Management (Post-Diploma) Degree or 60 credits towards a Bachelor of Science (Post-Diploma) Degree.

The Northern Alberta Institute of Technology (NAIT)

Graduates of the Renewable Resource Management diploma program with a minimum grade point average of B- or 2.7 on standard grading scales will be conditionally accepted into the BTech (Bachelor of Technology in Technology Management) degree program. Applicants for transfer of credit under this Agreement shall complete all of the requested application procedures of NAIT including, but not limited to, written statements outlining personal objectives, career goals, letters of reference, work experience and community involvement, and such other information as may be requested and used by NAIT to determine whether the applicant complies with the requirements as set out or intended.

Royal Roads University

Graduates of the Renewable Resource Management diploma are eligible for full block transfer into the Bachelor of Science in Environmental Practice and the Bachelor of Arts in Environmental Practice. Graduates may also receive full block transfer to the Bachelor of Science in Environmental Science and the Bachelor of Science in Environmental Management. Two additional courses in math (calculus, linear algebra, physics), and two additional university level courses need to be completed upon arrival.

Griffith University, Australia

Renewable Resource Management diploma graduates may enter into the fourth semester of the Bachelor of Science in Ecology and Conservation Biology degree at Griffith University, Gold Coast and Nathan campuses. Please visit www.griffith.edu.au/credit for more information.

Therapeutic Recreation - Gerontology

Program Office: 403.320.3202 Ext. 3211 • trg@lethbridgecollege.ca

Office of the Program Chair: 403.320.3202 Ext. 5225

Office of the Dean: 403.320.3403 • Centre for Health and Wellness Placement Office: 403.320.3202 Ext. 5380

PROGRAM OVERVIEW

Therapeutic Recreation Specialists are part of an inter-professional collaborative health care team and play a primary role by using leisure and recreation to promote and facilitate optimal health and wellness of individuals with illnesses and disabling conditions.

The Therapeutic Recreation – Gerontology two-year diploma program provides students with the knowledge and skills necessary for employment in the therapeutic recreation profession. The program combines foundational knowledge in theory with practice to provide the fundamentals for a Therapeutic Recreation Specialist. The program incorporates knowledge, skills, critical reasoning and personal attributes through theory classes, skills lab, and practice in the field.

The Therapeutic Recreation – Gerontology program consists of four (4) terms of theory classes and skills lab. Students learn how to plan and deliver therapeutic recreation services which include functional intervention, leisure education and recreation participation programming. This knowledge will be balanced with a thorough understanding of the sociological, physiological and psychological process of aging. A practice-based experience is positioned at the end of term two and the end of term four to support the integration of knowledge into practice. All courses in the Therapeutic Recreation – Gerontology program are offered on campus as well as through Online Learning.

At the end of the program, graduates will have a diploma in Therapeutic Recreation – Gerontology; a comprehensive, practical understanding of therapeutic recreation, and a specialization in gerontology.

CAREER OPPORTUNITIES

Your diploma in Therapeutic Recreation - Gerontology will prepare you to work in many settings, including:

- Long term care
- Supportive living
- Seniors day programs
- Hospital
- Mental health programs
- Rehabilitation programs
- Community-based programs
- Lodges
- Senior centres
- Group homes

ADMISSIONS

New students are admitted into the Therapeutic Recreation - Gerontology campus-based program in the Fall (September) term. New students completing the program through Online Learning can be admitted in the Fall (September) or Winter (January) terms. Due to sequencing of courses, Online Learning students admitted in Winter term will not be able to complete the program in two years.

GENERAL ADMISSION REQUIREMENTS

All applicants must meet the general admission requirements for Lethbridge College programs, as indicated in the Admission section of this calendar.

ACADEMIC REQUIREMENTS

In addition to meeting the general admission requirements indicated in the Admission section of this calendar, applicants to this program must also satisfy the following specific course requirements (or equivalencies):

- Grade 11 biology

EFFECTIVE JULY 1, 2018, the academic requirements will be changed to the following:

In addition to meeting the general admission requirements indicated in the Admission section of this calendar, applicants to this program must also satisfy the following specific course requirements (or equivalencies):

- 60 percent minimum in English Language Arts (ELA) 30-1 or 70 percent in ELA 30-2;
- Grade 12 biology.

ENGLISH LANGUAGE PROFICIENCY REQUIREMENTS FOR THERAPEUTIC RECREATION –GERONTOLOGY PROGRAM

In addition to the academic requirements, if English is not your first language, English Language Proficiency (ELP) must be demonstrated within the last two (2) years prior to the application. Acceptable evidence of ELP may be one of the following:

- IELTS Academic with a minimum band score of 6.5 in speaking, 6.5 in listening, 6.0 in reading, and 6.5 in writing
- TOEFL Internet-based test score with a minimum score of 22 in speaking, 23 in listening, 21 in reading, and 25 in writing

- Transcripts demonstrating successful completion of three (3) years of full-time secondary education at a school where English was the principal language of instruction
- Transcripts demonstrating successful completion of one (1) year of full-time post-secondary education at a school where English was the principal language of instruction

Note: Meeting the English Language Proficiency requirement does NOT exempt the applicant from meeting the English academic admission requirement for entry to this program.

PRACTICE BASED EXPERIENCE (PBE) REQUIREMENTS

This program has a required Practice-Based Experience (PBE) component. The College dictates the legal terms and conditions governing the PBE.

Students must meet and maintain certain requirements to participate in the PBE setting as determined by programs, practice agencies and/or legislated by government bodies. These may include health (e.g. immunizations, screening tests, etc.), privacy and security (e.g. police information check, IT access, etc.), and OH&S requirements (e.g. CPR certification, Fire Safety, WHMIS, Mask Fit-testing, etc.).

As a post-secondary health care program in Alberta, provincial immunization standards apply to students in this program. As per the provincial "Standard for Immunization of Post-Secondary Health Care Students and Students in Other High-Risk Occupational Programs", all Post-Secondary Institutions (PSI) have the responsibility of assessing the immunization status of each healthcare student at the time of initial enrollment and to ensure all healthcare students are fully immunized before leaving post-secondary programs. There is an administrative fee for this assessment and vaccinations required to become fully immunized.

Therapeutic Recreation - Gerontology Continued

Workers' Compensation Board (WCB) coverage – PBE placement agencies and employers usually require WCB coverage on behalf of the student. Students enrolled in post-secondary institutions in Alberta are deemed to be employees of the Province of Alberta and, as such, provided WCB coverage. In certain instances, for students outside of Alberta, WCB coverage may not be provided (e.g. non-Alberta residents taking a course solely through distance learning with a PBE placement outside of Alberta). These students are advised to contact the program prior to application.

PBE sites will include Lethbridge and may include surrounding rural communities. PBE's may include day, evening, and/or weekend schedules. Students will be expected to travel to assigned sites and will be responsible for arranging travel and any associated costs.

YOUR INVESTMENT

Program fees will vary. To view fee information for your program, go to www.lethbridgecollege.ca/programs and select your program.

CURRICULUM

Year 1 Term I	Learning Credits
COM 1162 Interpersonal Relationships and Communications (OL)	3
ENG 1150 Composition (OL)	3
PSY 1177 Psychology of Aging (OL)	3
TRG 1150 Introduction to Therapeutic Recreation (OL)	3
TRG 1164 Leadership Theory (OL)	3
	15
Year 1 Term II	
BIO 1152 Physiology of Aging (OL)	3
COM 1170 Helping Relationships (OL)	3
PSY 1170 Human Development Across the Lifespan (OL)	3
SOC 1167 Sociology of Aging (OL)	3
TRG 1160 Therapeutic Recreation Program Planning I (OL)	3
TRG 1199 Practicum I (OL)	3
	18

Year 2 Term I		
PSY 2260 Abnormal Psychology (OL)	3	
TRG 2253 Therapeutic Recreation Assessment (OL)	3	
TRG 2256 Therapeutic Recreation Intervention (OL)	3	
TRG 2260 Therapeutic Recreation Program Planning II (OL)	3	
TRG 2268 Therapeutic Recreation Programs (OL)	6	
	18	

Year 2 Term II		
TRG 2259 Therapeutic Recreation Issues and Trends (OL)	3	
TRG 2263 Aging Disorders and Disabilities (OL)	3	
TRG 2264 Community Resources (OL)	3	
TRG 2270 Administrative Practices in Therapeutic Recreation (OL)	3	
TRG 2299 Advanced Practicum II (OL)	6	
	18	

(OL) indicates courses which are also available through Online Learning. Please refer to the online Academic Timetable for course availability.

IMPORTANT NOTE(S): Students must complete the two Practice Based Experiences on a full-time basis. Students may be required to relocate from their home community to complete the practicum placements.

Online Learning students wanting to enroll in either TRG-1199 or TRG-2299 must advise the program prior to September 30th for a winter term placement and prior to January 31st for a spring term placement.

Online Learning students who reside outside of Alberta must be aware they may not be covered under Workers' Compensation Board (WCB) coverage when participating in Practice Based Experiences outside of Alberta.

Students participating in Practice Based Experiences (PBE) outside the province of Alberta may not be eligible for professional membership with the Alberta Therapeutic Recreation Association (ATRA).

All requirements must be met within six years of the first Therapeutic Recreation – Gerontology course used towards the diploma.

GRADUATION

Upon successful completion of all requirements, students are awarded a diploma in Therapeutic Recreation - Gerontology.

Lethbridge College's Therapeutic Recreation - Gerontology program meets the requirements for professional membership in the Alberta Therapeutic Recreation Association (ATRA).

TRANSFERS

University of Calgary

Graduates will be considered for entrance into U of C's 10 full course equivalent Bachelor of Community Rehabilitation program. Graduates of a two-year diploma program will be awarded up to five (5) full junior course options.

Athabasca University

Diploma graduates may receive a block transfer of 60 credits (2+2 years) toward the 120-credit Bachelor of Professional Arts in Human Services degree at Athabasca University. Diploma graduates may receive a block transfer of 30 credits towards the three or four-year Bachelor of Management or Bachelor of Commerce (Post-Diploma) programs.

University of Lethbridge

Graduates will be considered for entrance into the U of L's Post-Diploma Bachelor of Therapeutic Recreation program.

Douglas College

Diploma graduates who have achieved a minimum grade of C (60%) in each course will be eligible for admission into the third year of the Bachelor of Therapeutic Recreation at Douglas College with block transfer of 63 credits, provided all other entrance criteria are met and space is available.

Thompson Rivers University

Graduates of Therapeutic Recreation - Gerontology are eligible to receive a maximum of 57 transfer credits into the TRU Bachelor of Health Science or a maximum of 60 transfer credits into the TRU Bachelor of General Studies.

Therapeutic Recreation - Gerontology Continued

Dalhousie University

Graduates of the Therapeutic Recreation – Gerontology diploma may apply for admission to the Bachelor of Science (Recreation) degree at Dalhousie University. Students must meet the requirements for admission for transfer students described in the Dalhousie University Undergraduate Calendar. Graduates of the Therapeutic Recreation – Gerontology diploma who are admitted to Dalhousie University may be granted up to a maximum of 60 credit hours of transfer credit towards the Bachelor of Science (Recreation) degree at Dalhousie University. This represents a maximum of 50% of degree requirements.

University of Regina

Diploma graduates who have achieved a minimum grade of 60% in each course will be eligible for 60-credit hours transfer to the Bachelor of Sport and Recreation Studies (Therapeutic Recreation Major).

University of Waterloo

Therapeutic Recreation - Gerontology diploma graduates are eligible for block transfer credit to University of Waterloo's Bachelor of Arts degree - Recreation and Leisure Studies, Recreation and Sport Business, Therapeutic Recreation, or Tourism and Parks Management majors.

Griffith University

Therapeutic Recreation - Gerontology diploma graduates may enter into the third semester of the Bachelor of Human Services degree at Griffith University, Logan campus.

School of Health Sciences

Find out more about other programs offered in this school:

- Bachelor of Nursing.....p.47
- Bachelor of Nursing - After Degreep.50
- Massage Therapy.....p.104
- Perioperative Post-Diploma Nursing..... p.111
- Practical Nursing p.113

lethbridgecollege.ca/programs

Unit Clerk Training

Program Office: 403.320.3310 • unitclerk@lethbridgecollege.ca

Office of the Program Chair: 403.320.3202 Ext. 5449

Office of the Dean: 403.320.3403 • Centre for Health and Wellness Placement Office: 403.320.3202 Ext. 5380

PROGRAM OVERVIEW

Do you enjoy working with people in a fast-paced and team-based environment? Would you like to develop an exciting career helping others in a medical setting? Our intensive Unit Clerk Training program will give you the foundation you need to build a career in this important field.

Unit Clerks transcribe and process doctors' orders as well as manage patient records. The Unit Clerk plays a crucial role in health care, helping doctors communicate with nurses and ensuring that patients receive the care they need. We'll give you a practical introduction to topics ranging from medical terminology, anatomy and physiology to hospital administration, transcribing orders and health care billing.

After only 20 weeks including a three week practicum, you can take your certificate for Unit Clerk Training and begin your career in health care administration!

CAREER OPPORTUNITIES

Your certificate for Unit Clerk Training will prepare you for entry-level positions in a variety of medical environments, including:

- Hospitals
- Doctor's Practices
- Medical Clinics
- Private Health Care Providers
- Long-Term Care Facilities
- Respite Facilities
- Hospice Facilities
- Health Care Agencies

ADMISSIONS

New students are accepted into the Unit Clerk Training program for the Winter (January) term only.

GENERAL ADMISSION REQUIREMENTS

All applicants must meet the general admission requirements for Lethbridge College programs, as indicated in the Admission section of this calendar.

ACADEMIC REQUIREMENTS

It is strongly recommended that applicants possess the ability to type at a minimum of 30 words per minute.

PRACTICE BASED EXPERIENCE (PBE) REQUIREMENTS

This program has a required Practice-Based Experience (PBE) component. The College dictates the legal terms and conditions governing the PBE.

Students must meet and maintain certain requirements to participate in the PBE setting as determined by programs, practice agencies and/or legislated by government bodies. These may include health (e.g. immunizations, screening tests, etc.), privacy and security (e.g. police information check, IT access, etc.), and OH&S requirements (e.g. CPR certification, Fire Safety, WHMIS, Mask Fit-testing, etc.).

As a post-secondary health care program in Alberta, provincial immunization standards apply to students in this program. As per the provincial "Standard for Immunization of Post-Secondary Health Care Students and Students in Other High-Risk Occupational Programs", all Post-Secondary Institutions (PSI) have the responsibility of assessing the immunization status of each healthcare student at the time of initial enrollment and to ensure all healthcare students are fully immunized before leaving post-secondary programs. There is an administrative fee for this assessment and vaccinations required to become fully immunized.

Workers' Compensation Board (WCB) coverage – PBE placement agencies and employers usually require WCB coverage on behalf of the student. Students enrolled in post-secondary institutions in Alberta are deemed to be employees of the Province of Alberta and, as such, provided WCB coverage. In certain instances, for students outside of Alberta, WCB coverage may not be provided (e.g. non-Alberta residents taking a course solely through distance learning with a PBE placement outside of Alberta). These students are advised to contact the program prior to application.

PBE sites will include Lethbridge and may include surrounding rural communities. PBE's may include day, evening, and/or weekend schedules.

Students will be expected to travel to assigned sites and will be responsible for arranging travel and any associated costs.

YOUR INVESTMENT

Program fees will vary. To view fee information for your program, go to www.lethbridgecollege.ca/programs and select your program.

CURRICULUM

Year 1 Term I	Learning Credits
COM 1162 Interpersonal Relationships and Communications (OL)	3
CPU 1151 Introduction to Computers (OL)	1.5
CSP 1150 Medical Terminology/Anatomy and Physiology (OL)	3
ENG 1142 English for Allied Health and Wellness	1.5
HTH 1121 Hospital Administration	1.5
HTH 1125 Patient's Records/Transcribing Orders	3
HTH 1142 Medical Order Entry	3
	16.5
HTH 1143 Unit Clerk Practicum	3
	3

(OL) indicates courses which are also available through Online Learning.

GRADUATION

Upon successful completion of all program requirements, students are awarded a certificate in Unit Clerk Training.

School of Allied Health

Find out more about other programs offered in this school:

- Community Health Promotionp.62
- Health Care Aidep.100
- Medical Device Reprocessingp.106

lethbridgecollege.ca/programs

Wind Turbine Technician

Program Office: 403.320.3411 • tradeslc@lethbridgecollege.ca

Office of the Chair: 403.320.3366

Office of the Dean: 403.320.3318

PROGRAM OVERVIEW

The Wind Turbine Technician (WTT) certificate program provides the foundations for students entering the wind turbine workforce. This includes comprehensive practical skills and knowledge in wind turbine theory and technology. A hands-on approach provides the student with the skills and knowledge needed to gain successful employment in the wind industry. The certificate program also provides multiple future career pathways.

Employment Roles (Entry-level):

- Electrician
- Wind Turbine Technician
- Wind turbine maintenance
- Wind turbine construction
- Wind turbine manufacturing
- Wind turbine blade repair

ADMISSIONS

New students are accepted into the Wind Turbine Technician program in the Fall (September) and Winter (January) terms.

GENERAL ADMISSION REQUIREMENTS

All applicants must meet the general admission requirements for Lethbridge College programs, as indicated in the Admission section of this calendar.

ALTERNATE ADMISSION

Alternate admission applicants must successfully complete the Alberta Apprenticeship first period Electrical pre-entrance exam with a minimum grade of 70%.

NON-ACADEMIC REQUIREMENTS

Students are to supply the following program-approved personal safety equipment: hard hat with chin strap, coveralls or work clothes, steel-toed boots with ankle covered, safety glasses, and tight-fitting work gloves.

Students are required to write the BZEE exam and are responsible for the exam fee.

MEDICAL REQUIREMENTS

This program requires applicants to be in good physical condition. Applicants must be able to perform physical duties such as climbing ladders of 60 to 125 meters in height, lifting items up to 22.5 kg (50 lbs.) in weight, working at heights and in confined spaces.

YOUR INVESTMENT

Program fees will vary. To view fee information for your program, go to lethbridgecollege.ca/programs and select your program.

MOBILE LEARNING PROGRAM

This is a Mobile Learning Program that requires students to supply their own device with required minimum specifications. Go to www.lethbridgecollege.ca/mobilelearning for additional information.

CURRICULUM

Year 1 Term 1		Learning Credits
WHS 1110	Workplace Safety	3
WTT 1100	Introduction Electrical Theory	3
WTT 1103	DC Laboratory Fundamentals	3
WTT 1104	Canadian Electrical Code and Blueprint Reading	3
WTT 1110	Wind Turbine Safety I	3
WTT 1114	Wind Turbine Mechanical	3
WTT 1115	Wind Energy Theory	1.5
		19.5
Year 1 Term 2		
WTT 1113	Wind Turbine Rotor Blades	1.5
WTT 1116	Motor Control & Programmable Controllers	1.5
WTT 1117	Wind Turbine Hydraulics	3
WTT 1118	Wind Park Construction	3
WTT 1120	Wind Turbine Safety II	3
WTT 1123	Wind Turbine Electrical	6
WTT 1124	Wind Turbine Maintenance	3
WTT 1125	Wind Turbine Industry Communication	1.5
		22.5

Important Notes:

1. Applicants must be comfortable working at extreme heights and weather conditions and should not suffer from motion sickness.
2. Applicants must have strong mechanical aptitude and experience working with hand tools.
3. As international travel may be required, industry requires potential employees to be eligible for passports.

4. Applicants must hold a current driver's license as travel is required to training and instructional sites.
5. A good working knowledge of the English language (including speaking, comprehension, reading and writing) is necessary for success in the program and future employment opportunities.
6. When WTT1100, WTT1103, and WTT1104 are combined together they form the requirements for the first period technical training for the Electrician Apprenticeship Period One program. After completion of the Wind Turbine Technician program (or at least the three courses named above), the student could be indentured in the electrician trade and could complete their technical training through to journeyman status by attending the Electrician Apprenticeship Program available at Lethbridge College.

GRADUATION

Upon successful completion of all program requirements, students are awarded a Wind Turbine Technician certificate.



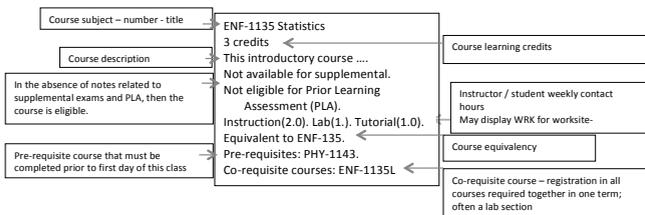
Our continually updated programs and courses ensure you get the knowledge and skills required by today's top employers.

Course Descriptions

This section lists all courses offered at Lethbridge College though individual courses may or may not be scheduled each semester. Check the Academic Timetable online to see if a specific course is offered during a specific term.

ABOUT THE COURSE DESCRIPTIONS

Each course is identified by the course subject (prefix) followed by a course number and the course name. Below the course identifier is the value of course learning credits. A brief description of the course provides information related to course outcomes. The instructor/student contact hours are listed after the course description in the format of: Instructional hours, Laboratory hours, and Tutorial hours per week, assuming the course runs for a full term (Sept – Dec, Jan-Apr, May-Aug). Alternatively, there may be a WRK designation identifying the course as a Fieldwork / Practicum / Clinical Placement course or an IND designation identifying the course as an Independent Study Course. This is followed by a note related to prior learning assessment eligibility, supplemental exam eligibility, and finally a list of pre-requisites and co-requisites. Example:



COURSE OFFERING INFORMATION:

Instruction: in class time used for instruction and the presentation of information, theory or ideas about a specific topic within the discipline.

Laboratory (lab): an organized activity where theories, techniques, or methods are tested, analyzed or demonstrated. Labs are scheduled at separate times from the instruction time and generally focus on students getting hands-on experience of the subject matter, often in a specialized learning space. A course laboratory section is co-requisite to the instruction section at time of registration.

Tutorial: a facilitated meeting of smaller groups of students where there is an opportunity to gain a deeper understanding of the subject matter. Tutorials are scheduled at separate times from the instruction time. A course tutorial section is co-requisite to the instruction section at time of registration.

Practice Based Experience: Authentic Work-site Experience – often referred to as Practicum / Fieldwork / Directed Field Studies / Clinical Placement – is experiential learning within industry, generally off campus. The learning opportunity involves on-the-job experience and supervision by a professional from the college and/or industry.

Independent Study: a self-directed learning experience in which students pursue a topic related to their program or proposed career. Students typically work with a faculty member to determine the project they wish to undertake and the instructor provides support and mentorship to the student.

TERM AND COURSE LENGTH

The Lethbridge College post-secondary term dates are listed in the Academic Schedule which is found online and in the Academic Calendar/Course Catalogue.

Length of courses may vary; therefore, please refer to the Academic Timetable online for the scheduled length of each course.

PRE-REQUISITE AND CO-REQUISITE

Courses listed as pre-requisites must be completed before the first day of classes in the next level course. For example, if PHY-1143 is listed as a pre-requisite for ENF-1135, then PHY-1143 must be successfully completed in order for the PHY-1143 registration to remain in place effective the first day of classes. Registration in a co-requisite courses (often lab parts of a course, though not always) is required in the same term.

SUPPLEMENTAL EXAMINATIONS

To be eligible for supplemental status, a course must have a comprehensive final exam. Courses not open to a supplemental examination are designated in the course description section of the calendar. Applications for the supplemental examination are available from the Registrar's Office. A supplemental exam fee will apply.

If the course in which a supplemental exam is to be written is a prerequisite to a course to be taken in the immediately succeeding term, the student must apply to the Registrar and the examination must be written no later than the opening day of that term.

If the course in which a supplemental exam is to be written is not a prerequisite to a course to be taken in the immediately succeeding term, the student must apply to the Registrar no more than four weeks after the end of term in which the course was taken. The supplemental examination must be written before the end of the immediately succeeding term.

The supplemental examination will have the same value in course grade determination as the original final examination. The supplemental examination mark will replace the original final examination mark in determining the final grade in the course. A student will be allowed one supplemental examination per course, per term.

Course Descriptions Continued

For further information, please refer to the Grading Policy.

Prior Learning Assessment Recognition (PLAR)

Prior Learning Assessment Recognition (PLAR) involves the assessment or evaluation of prior learning which is not recognized through transfer credit. Credits may be awarded for learning gained through one or a combination of the following based on an assessment completed by Lethbridge College:

- a) Credit courses completed with a passing grade more than ten years ago;
- b) A combination of credit courses with no course-to-course relationship to a single Lethbridge College credit course;
- c) Informal education and training activities;
- d) Self-study;
- e) Work experience;
- f) Volunteer activities.

Courses are available for prior learning credit unless otherwise stated in the course description section of the calendar.

To receive credit for prior learning, a student must be enrolled in the program and be registered in a minimum of one course during the term in which the prior learning credit is awarded.

Credits awarded as the result of PLAR are not included in the 25% residency requirement at Lethbridge College, or in the calculation of Grade Point Average (GPA), or in the current credit load for the purpose of maintaining full-time status.

For additional information on PLAR, visit the Lethbridge College homepage, Support Services, Prior Learning Assessment. For program specific information, contact the Program Chair/PLAR designate. For policy information, refer to the Grading Policy.

CREDIT COURSE CLASSIFICATION

Lethbridge College uses a course naming convention to systematically number and classify curriculum. Credit course identifiers consist of a prefix made up of three alpha characters designed to identify the discipline content plus four numerical values that identify the course classification. Courses are numbered according to the following classification:

Classification I • 0001 - 0999

Includes courses which are upgrading in nature and may serve to meet entrance requirements to colleges or universities.

Classification II • 1000 - 1999

Includes courses normally offered in the first year of a college program.

- 1000 - 1149 Includes courses that normally transfer to technical institutes, colleges or apprenticeship programs.
- 1150 - 1999 Includes courses that may transfer to universities for elective or subject credit.

Classification III • 2000 - 2999

Includes courses normally offered in the second year of a college program.

- 2000 - 2249 Includes courses that normally transfer to technical institutes or colleges.
- 2250 - 2999 Includes courses that normally carry elective or subject credit at universities.

Classification IV • 3000 - 3999

Includes courses normally offered in the third year of a college program. All courses in this classification are considered to be senior courses in the College curricula.

- 3000 - 3349 Includes courses that normally transfer to technical institutes and colleges.
- 3350 - 3999 Includes courses that normally carry elective or subject credit at universities.

Classification V • 4000 - 4999

Includes courses normally offered in the fourth year of a four year college program. All courses in this classification are considered to be senior courses in the College curricula.

- 4000 - 4449 Includes courses that normally transfer to technical institutes and college.
- 4450 - 4999 Includes courses that normally carry elective or subject credit at universities.

For further information, please refer to the Course Numbering/Classification Policy.

FULL-TIME STATUS

Lethbridge College complies with Alberta Advanced Education recommendations when determining the institutional full time load for students. A student is considered to be full-time when enrolled in nine (9) credits in each academic term.

Full time status is used to determine eligibility for but is not limited to such things as student awards, student loans, honour roll, foreign student visas, athletic participation, etc.

Once you are registered, you can confirm your full-time status through the Registrar's Office as necessary. For further information, please refer to the Full Time Student Status Policy.

Course Descriptions ACC 1125 - AGB 1150

(ACC) ACCOUNTING

ACC-1125 Service-Based Accounting 1.5 credits

An overview of basic accounting concepts for service-based businesses and organizations. Includes theoretical concepts and exposure to an integrated accounting software package for all aspects of the accounting cycle. Instruction (3.0). Equivalent to ACC-125.

ACC-1126 Accounting Basics 1.5 credits

This course is an overview of basic accounting. Topics include an introduction to journals, ledgers, bank reconciliation, payroll, petty cash, GST, and other related accounting transactions. This course is not eligible as an elective in the Business Administration program. Instruction (3.0). Equivalent to ACC-126.

ACC-1146 Bookkeeping • 3 credits

An introduction to bookkeeping. Emphasis is on using accepted accounting principles to complete procedures and statements required for the basic accounting cycle for service businesses and organizations. Includes special journals, bank reconciliation, payroll, petty cash, GST and PST. Instruction (5.0). Equivalent to ACC-146.

ACC-1170 Financial Accounting I 3 credits

An introduction to fundamental accounting principles and concepts, the accounting cycle, worksheet preparation, accounting for sales and purchases of merchandise, cash control procedures, and valuation of receivables and inventories. Other topics include financial statement preparation and payroll. Emphasis on integrating basic accounting concepts with practice for sole proprietorships. Instruction (4.0). Equivalent to ACC-170, ACC-171.

ACC-1175 Financial Accounting II 3 credits

Accounting principles and practice related to partnerships and corporations. Includes accounting for capital and intangible assets, natural resources, and current and long-term liabilities. Analysis and interpretation of financial statements and budgeting are also featured. Instruction (4.0). Equivalent to ACC-175, ACC-173. Requisite courses: Take ACC-1170 (Required, Previous).

ACC-2250 Management Accounting I 3 credits

A study of concepts of management accounting, including accounting for planning and control. Includes manufacturing statements; cost-volume-profit relationships; job order and process costing; actual, normal, and standard cost systems; flexible budgets; inventory planning, control, and costing; and accounting for payroll. Instruction (5.0). Equivalent to ACC-250. Requisite courses: Take ACC-1175 (Required, Previous).

ACC-2251 Management Accounting II 3 credits

An in-depth coverage of profit planning, cost allocations, joint and by-product costing, inventory planning, as well as relevant costs and the contribution approach. Includes analysis of accounting systems, internal control, performance measurement, variance and analysis, and absorption versus variable costing statements. Instruction (5.0). Equivalent to ACC-251. Requisite courses: Take ACC-2250 (Required, Previous).

ACC-2258 Farm Accounting • 3 credits

This course will build on the competencies gained in ACC170 (Financial Accounting I) to provide background specific to the operation of farms and ranches. Topics include the cash basis of accounting and its application to income tax purposes and the accrual basis of accounting and its application to the preparation of financial statements for creditors and managerial purposes. The course includes a project which covers the preparation of accounting records and financial statements for a simulated farming operation. Instruction (3.0). Equivalent to ACC-258.

ACC-2271 Intermediate Financial Accounting I • 3 credits

An in-depth exploration of accounting principles and the requirements for corporate financial reporting and presentation. Includes disclosure requirements, revenue recognition, as well as accounting for cash, receivables, inventory, investments, capital and intangible assets. Emphasis on analysis of financial performance. Instruction (5.0). Equivalent to ACC-271. Requisite courses: Take ACC-1175 (Required, Previous).

ACC-2273 Intermediate Financial Accounting II • 3 credits

Builds on prior knowledge of the complexities of accounting principles for corporate financial presentation. In-depth emphasis on liabilities and shareholder equity. Includes leases, pensions and accounting errors. Instruction (5.0). Equivalent to ACC-273. Requisite courses: Take ACC-2271 (Required, Previous).

ACC-2278 Computerized Accounting for Management • 3 credits

Simulated business scenarios support a hands-on approach to performing accounting functions with pre-packaged computer software. Course includes the set-up and ongoing maintenance of the general ledger, accounts receivable, accounts payable, payroll and inventory modules. Not available for supplemental. Instruction (4.0). Equivalent to ACC-278, ACC-276. Requisite courses: Take ACC-1170 or ACC-1146 (Required, Previous).

(AGB) AGRICULTURE BUSINESS RISK MANAGEMENT

AGB-1140 Statistics for Agribusiness 1.5 credits

Introductory statistics as it applies to farm management, the basic techniques and tools of statistical analysis. Topics include collection and presentation of data; measures of descriptive statistics; probability and probability distributions. It is highly recommended that students have Grade 12 math before taking any modules in this course. Not available for supplemental. Instruction ().

AGB-1140M1 Data Collection & Presentation • 0.75 credit

Collect and present data in a variety of formats in order to compute and interpret the common descriptive statistic measures and make appropriate use of these in the further analysis of data. Instruction (1.0).

AGB-1140M2 Probability • 0.75 credit

Perform statistical inference using a variety of probability concepts. Instruction (1.0).

AGB-1150 Effective Communication 3 credits

The development and application of effective communication skills required to meet expectations of their role and the management of demands within their organization. Topics include communication with industry participants within the value

Course Descriptions AGB 1150M1 - AGB 1164

chain (e.g. suppliers, financial institutions, buyers). Personal stress management, functioning effectively within a team, organizational skills and time management. Not available for supplemental. Instruction ().

AGB-1150M1 Personal Communication 0.75 credit

Identify your personal communication style and adapt it based on the audience. Instruction (1.0).

AGB-1150M2 Communication Strategies 0.75 credit

Apply effective communication strategies for business negotiation, presentation or conversation. Instruction (1.0).

AGB-1150M3 Conflict & Time Management • 0.75 credit

Develop an increased awareness of self by identifying and effectively managing individual tasks and stressors. Instruction (1.0).

AGB-1150M4 Personal Strengths 0.75 credit

Identify your personal strengths and skills and align them with your role, the team's role and the organization. Instruction (1.0).

AGB-1151 Financial Literacy • 3 credits

An understanding of agriculture accounting and the ability to interpret financial statements when communicating with management, lenders, or accountants. Topics include cash and accrual accounting, cash flow management, interpreting financial statements, and communication with operational stakeholders. Not available for supplemental. Instruction ().

AGB-1151M1 Bookkeeping & Accounting Principles • 0.75 credit

Define, demonstrate and evaluate basic bookkeeping and accounting practices. Instruction (1.0).

AGB-1151M2 Interpreting Financial Statements • 0.75 credit

Interpreting financial statements to evaluate the company's financial position and sources of revenue and expenses. Instruction (1.0).

AGB-1151M3 Budgets and Projections 0.75 credit

Communicate your company's ability to manage debt and equity through projections and effective budgets. Instruction (1.0).

AGB-1151M4 Financial Forecasting 0.75 credit

Articulate your financial position using correct terminology for the purpose of communicating with a lender, shareholders and other stakeholders. Instruction (1.0).

AGB-1160 Currency • 3 credits

An exploration into monetary policy, the exchange rate effect and impacts on agriculture markets. Topics include monetary tools, Canadian dollar fluctuations, imports and exports, interest rates and other topics affecting the value of the Canadian dollar. Not available for supplemental. Instruction ().

AGB-1160M1 Value of the USCAD 0.75 credit

Describe the influences that may impact the value of a currency. Instruction (1.0).

AGB-1160M2 FX Exposures • 0.75 credit

Evaluate foreign exchange exposure. Instruction (1.0).

AGB-1160M3 FX Risk Management 0.75 credit

Analyze the benefits of a foreign exchange risk management plan. Instruction (1.0).

AGB-1160M4 Hedging and FX Dealers 0.75 credit

Examine the various ways of hedging FX risk. Explain the relevance of the FX dealer and how to negotiate a fair price. Instruction (1.0).

AGB-1161 Introduction to Market Tools 1.5 credits

An introduction to market tools for agricultural risk management. Concepts related to the agricultural market include options and futures, margin calls, delivery contracts, pricing insurance programs and pricing formats. Relevant skills applicable to analyzing commodity markets are explored. Not available for supplemental. Instruction ().

AGB-1161M1 Defining Market Tools 0.75 credit

List and compare the tools available to risk manage your product. Instruction (1.0).

AGB-1161M2 Explaining Market Tools 0.75 credit

Explain how each tool is used and identify conditions for the use of each tool. Instruction (1.0).

AGB-1162 Market Fundamentals 1.5 credits

An overview of the economic and production cycles associated with livestock and grain production. Topics include supply and demand factors that affect the livestock and grain. Markets that are focused on include pork, poultry, grain and cattle. Not available for supplemental. Instruction ().

AGB-1162M1 Supply and Demand 0.75 credit

Analyze and justify sources of supply and demand (domestic and North American) for a particular commodity. Instruction (1.0).

AGB-1162M2 Market Pricing • 0.75 credit

Describe the factors impacting pricing and explain their effect on the market price of a particular commodity. Instruction (1.0).

AGB-1163 Government Policies Marketing • 1.5 credits

A study of domestic and foreign policy and the impacts on agriculture. Topics include government policies, trade tariffs, international trade, import and export nations and supply managed markets versus free market trade. Not available for supplemental. Instruction ().

AGB-1163M1 Policies and Trade Agreements • 0.75 credit

Explain the relevance of government and trade policy to a Canadian producer and utilize these concepts as tools to inform business planning. Instruction (1.0).

AGB-1163M2 Mechanics of Trade Agreements • 0.75 credit

Describe the responsibility of government departments, industry organizations and individual producers in implementing and influencing national policy. Interpret the mechanics of trade agreements and analyze the impact on your industry and operation. Instruction (1.0).

AGB-1164 Commodity Market Fundamentals • 3 credits

An overview of the economic and production cycles associated with livestock and grain production. Topics include supply and demand factors that affect livestock and grain. Markets that are focused on include pork, poultry, grain and cattle. Not available for supplemental. Instruction ().

Course Descriptions AGB 1164M1 - AGR 1164

AGB-1164M1 Supply and Demand 0.75 credit

Analyze and justify sources of supply and demand (domestic and North American) for a particular commodity. Instruction (1.0).

AGB-1164M2 Market Pricing • 0.75 credit

Describe the factors impacting pricing and explain their effect on the market price of a particular commodity. Instruction (1.0).

AGB-1164M3 Market Pricing - Pork 0.75 credit

Describe the factors impacting pricing and explain their effect on the market price of pork. Instruction (1.0).

AGB-1164M4 Market Pricing Grains/ Oilseeds • 0.75 credit

Describe the factors impacting pricing and explain their effect on the market price of grains and oilseeds. Instruction (1.0).

AGB-1171 Market Tools • 3 credits

An application of the combination of tools used in risk management strategies. A study of reducing risk and increasing opportunity through careful analysis of market data. Topics include technical analysis and complex risk management strategies. Not available for supplemental. Instruction (1.0).

AGB-1171M1 Apply Market Tools 0.75 credit

Apply the market tools available to risk manage your product. Instruction (1.0).

AGB-1171M2 Technical Indicators 0.75 credit

Interpret the technical indicators from the chosen market and describe the execution strategy. Instruction (1.0).

AGB-1171M3 Analyzing Market Data 0.75 credit

Describe the profile (depth, size, participation) of the market and explain how this may influence direction and strength of the market. Instruction (1.0).

AGB-1171M4 Making Market Decisions 0.75 credit

Evaluate the financial susceptibilities and opportunities of your enterprise by employing and managing appropriate market tools. Instruction (1.0).

AGB-1172 Risk Tolerance and Risk Policy • 3 credits

A personal evaluation of the learner's personal risk tolerance and the risk policy of their organization with a focus on the development of strategies to make decisions based on personal and corporate risk tolerances. Also included is a study of the credit and practice of a risk policy for an operation through identifying risk and opportunity. Topics also include job satisfaction, job improvement and entrepreneurial skills, analysis of the current state of an operation, personal and corporate risk tolerance and interpretation of data. Not available for supplemental. Instruction (1.0).

AGB-1172M1 Risk Tolerance • 0.75 credit

Identify and communicate personal risk tolerance compared to organizational risk tolerance and make decision that resolve these differences. Instruction (1.0).

AGB-1172M2 Risk Exposure • 0.75 credit

Identify significant areas of potential risk exposure and opportunity in a particular agricultural operation. Instruction (1.0).

AGB-1172M3 Quantifying Risk 0.75 credit

Measure and quantify risk versus opportunity for an individual operation. Instruction (1.0).

AGB-1172M4 Risk Policy • 0.75 credit

Outline and draft the potential items and the daily implementation of these policies to be included in a risk management policy for an operation. Instruction (1.0).

AGB-1190 Market Equity • 3 credits

This learning experience is set up as a virtual operation where students are asked to collect and analyze data provided to them through simulated documentation and market data. Not available for supplemental. Instruction (3.0). Requisite courses: Take AGB-1160, AGB-1162, AGB-1171, AGB-1172 (Required, Previous).

AGB-1191 Successful Planning in Agribusiness • 3 credits

The study of the process of business planning and the development of a business plan or portions of a business plan for a specified target audience. Resources will be drawn from other courses within the program to develop the plan.

Not available for supplemental. Instruction (3.0). Requisite courses: Take AGB-1150, AGB-1151, AGB-1163 (Required, Previous).

(AGR) AGRICULTURE SCIENCES

AGR-1152 Agriculture Research Study 3 credits

Under the mentorship of an agriculture researcher, a student is engaged in a semester-long applied research project in agriculture. Approval of the Chair of the School of Agriculture is required and employment opportunities may be associated with the course. Not available for supplemental. Not eligible for Prior Learning Assessment. Work Experience (1.0). Requisite courses: Take AGR-1164, AGR-1168, BIO-1175, ENG-1154, IRR-1152, PLT-1152, PLT-1155, RRM-2253. (Required, Previous).

AGR-1160 Introduction to Aquaponics 3 credits

This course covers the basics involved in the integrated food production system known as aquaponics. The aspects of plant physiology, fish production, waste and nutrient management, aquatic biology and ecology, water quality, biocontrol, basics of food safety in integrated production and different growing methods are covered, where plants are grown in nutrient rich water fertilized by intensive fish culture. Set up, operation and maintenance of an aquaponics system is a foundational hands-on course component. Not available for supplemental. Instruction (3.0), Lab (2.0). Requisite courses: Take AGR-1160L (Required, Concurrent).

AGR-1164 Agricultural Entomology 3 credits

This course is an introduction to insects and related arthropods. It includes the structure, life history, ecology, identification, and management of insects. Emphasis will be given to insects of importance to crops and livestock agriculture, including pest monitoring and control using integrated management strategies. Labs will focus on insect anatomy, the identification of major insect orders and families, and insect life cycles. Instruction (1.0), Lab (2.0). Equivalent to AGR-164. Requisite courses: Take AGR-1164L (Required, Concurrent).

Course Descriptions AGR 1168 - AGR 2289

AGR-1168 Agriculture Soil Management 3 credits

This course provides an introduction to soil conservation and productivity and methods of controlling both wind and water erosion and conserving soil moisture. Other topics include salinity control, minimum tillage, surface drainage, creditsp rotations, water holding capacity of soil, and soil productivity classification. Instruction (2.0), Lab (2.0). Equivalent to AGR-168, AGR-172. Requisite courses: Take AGR-1168L (Required, Concurrent).

AGR-2250 Agriculture Finance 3 credits

The course focuses on the efficient use of capital in the farm business. Equipment costing is covered in considerable detail. Time value of money applications are discussed in the context of investment, estate planning, loans, and buy versus lease decisions. Loan terminology is discussed, as well as the types of loans applicable to farm operations. The labs will use specialized and general software used in this discipline. The hands-on labs will familiarize students with the computer skills required for application of the theory covered in this course. Instruction (2.0), Lab (2.0). Equivalent to AGR-250, AGR-253, AGR-283. Requisite courses: Take AGR-2250L (Required, Concurrent).

AGR-2252 Agriculture Research Study 6 credits

Under the mentorship of an agriculture researcher, a student is engaged in a two-semester long applied research project in agriculture. Approval of the Chair of the School of Agriculture is required and employment opportunities may be associated with the course. Not available for supplemental. Not eligible for Prior Learning Assessment. Work Experience (.). Requisite courses: Take AGR-1164, AGR-1168, BIO-1175, ENG-1154, IRR-1152, PLT-1152, PLT-1155, RRM-2253 (Required, Previous).

AGR-2256 Precision Agriculture 3 credits

An introduction to the concepts and applications of map reading, remote sensing, Global Positioning Systems (GPS) and Geographic Information Systems (GIS) technologies for precision agricultural applications. Topics include map and digital image interpretation, digital data capture methods, data integration and basic analysis techniques for data-driven agricultural applications.

Not available for supplemental. Instruction (3.0), Lab (2.0). Requisite courses: Take AGR-2256L (Required, Concurrent).

AGR-2261 Sustainable Agriculture 3 credits

This course includes theory and practical applications for optimizing long-term returns from agricultural resources while maintaining the long-term viability of those resources. Topics range from the preservation of soil and water resources to water and waste water management and precision and organic farming. A component of the course will focus on the development of an environmental farm plan that combines field assessments with best management practices. Instruction (3.0). Equivalent to AGR-261, AGR-258. Requisite courses: Take AGR-1168, IRR-1152, PLT-1152 (Required, Previous).

AGR-2266 Soil Fertility • 3 credits

This course is a comprehensive discussion of fertilizers and soil fertility pertaining to the production of agricultural creditsps. Topics include evaluating fertility techniques, nutrient forms absorbed by plants, how fertilizer nutrients are held in the soil and lost from the plant, the use of green manure, organic and inorganic soil amendments, and application methods and costing. Calculations will be done on different blends and nutrients required for different yields. Instruction (2.0), Lab (2.0). Equivalent to AGR-266. Requisite courses: Take RRM-2253 (Required, Previous). Take AGR-2266L (Required, Concurrent).

AGR-2270 Agricultural Business Law 3 credits

This course covers the legal aspects of the farm business. Topics include the court system, contract law, land law, leases, surface rights, expropriation, real estate transactions, secured and unsecured creditsdit, bankruptcy and insolvency. Instruction (4.0). Equivalent to AGR-270.

AGR-2280 Animal Nutrition • 3 credits

This course provides an introduction to the basics of nutrition including composition of feeds and nutritional requirements of animals. Partitioning of nutrients, factors affecting feeding efficiency and how production status affects nutritional requirements are combined with an introduction to feed bunk management and ration balancing. Labs include field trips to producer, industry, and research facilities. Not available for supplemental. Instruction (2.0), Lab (2.0).

Equivalent to AGR-280. Requisite courses: Take BIO-1175 (Required, Previous). Take AGR-2280L (Required, Concurrent).

AGR-2286 Agricultural Business Management • 3 credits

This course deals with the overall management of the farm business, concentrating on the planning, organizing, directing and controlling functions of management. Topics include farm business organization including proprietorship, partnership, co-operation and joint ventures. In addition, estate and farm succession planning and effective planning and decision-making for management risk and uncertainty will be covered. This course is not available for supplemental. Instruction (4.0). Equivalent to AGR-286.

AGR-2287 Monogastric Production 3 credits

This course focuses primarily on swine and poultry production in southern Alberta. It covers production, marketing, breeding, nutrition, management, and environmental concerns. Labs will be conducted primarily at producer facilities to ensure study of current management practices and equipment. Not available for supplemental. Not available for Prior Learning Assessment. Instruction (2.0), Lab (2.0). Equivalent to AGR-287. Requisite courses: Take BIO-1175 (Required, Previous). Take AGR-2287L (Required, Concurrent).

AGR-2289 Beef Cattle Production 3 credits

This course builds on knowledge acquired in previous animal science courses. Topics focus on the beef-cow/calf calendar, including processes and management techniques performed at various stages of production. Feedlot management is also emphasized with concerns for improved production and product quality while meeting animal welfare rights and maintaining a healthy environment. Instruction (2.0), Lab (2.0). Equivalent to AGR-289. Requisite courses: Take BIO-1175 (Required, Previous). Take AGR-2289L (Required, Concurrent).

Course Descriptions AGR 2291 - AOP 1148

AGR-2291 Ruminant Production 3 credits

This course focuses primarily on sheep and dairy production in Southern Alberta. An overview of the industry, marketing and production requirements are covered in addition to breeding, nutrition, management, and environmental concerns for both species. Labs will be conducted primarily at producer facilities to ensure current management practices and equipment are studied. Not available for supplemental. Instruction (2.0), Lab (2.0). Equivalent to AGR-291. Requisite courses: Take BIO-1175 (Required, Previous). Take AGR-2291L (Required, Concurrent).

AGR-2294 Animal Health • 3 credits

This course covers the basic causes and characteristics of infectious disease with special reference to proper management and nutrition as preventative tools. Cattle diseases are covered with an emphasis on identification, treatment and prevention. A herd health program is introduced, aimed at reducing stress, minimizing treatment and improving overall production. Instruction (2.0), Lab (2.0). Equivalent to AGR-294. Requisite courses: Take BIO-1175 (Required, Previous). Take AGR-2294L (Required, Concurrent).

(AHM) AGRICULTURAL & HEAVY EQUIPMENT TECHNICIAN

AHM-1124 Suspension and Brakes 6 credits

A study of frame types, suspension types, truck and trailer inspections, hydraulic and air brake operation, and repair procedures. Not available for supplemental. Instruction (5.0), Lab (6.0). Equivalent to AHM-124. Requisite courses: Take AHM-1124L (Required, Concurrent).

AHM-1126 Safety and Hand Skills 3 credits

This course is an introduction to shop practice utilizing safe working habits. It covers shop safety related to hand tools, power tools, fires, welding, WHMIS, wire rope, and other related hazards. Skills such as flaring, soldering, drilling, threading, filing, measuring and related projects are taught, as well as oxy-acetylene heating and cutting, MIG and arc welding. Instruction (3.0), Lab (3.0). Equivalent to AHM-126. Requisite courses: Take AHM-1126L (Required, Concurrent).

AHM-1127 Power Trains • 6 credits

This course covers the theory of operation and repair of clutches, transmissions, rear axle assemblies and final drives. Hands-on experience with each component will be provided. Instruction (4.0), Lab (5.0). Equivalent to AHM-127. Requisite courses: Take AHM-1127L (Required, Concurrent).

AHM-1129 Farm and Industrial Equipment • 3 credits

This course is a study of the operation and adjustment of farm and industrial equipment. The theories of bearings, seals, belts and chains are an integral part of the course. Also covered will be maintenance in the following areas: engines, power trains, fuel systems, engine oil systems, engine coolant systems, electrical systems and hydraulic systems. Instruction (2.0), Lab (2.0). Equivalent to AHM-129, AHM-128. Requisite courses: Take AHM-1129L (Required, Concurrent).

AHM-1130 Electrical and Electronics 6 credits

This course covers the study of basic electrical and electronic circuits, the operation and repair of starters and alternators and the test equipment used in the repair of mobile equipment. Instruction (4.0), Lab (4.0). Equivalent to AHM-130, AHM-133. Requisite courses: Take AHM-1130L (Required, Concurrent).

AHM-1131 Diesel Engines • 6 credits

This course covers the study of two- and four- stroke gas and diesel engine design and related engine components. Engine systems such as induction, lubrication, cooling, exhaust, starting and emissions are included. The lab consists of overhaul procedures on diesel engines. Instruction (4.0), Lab (6.0). Equivalent to AHM-131. Requisite courses: Take AHM-1131L (Required, Concurrent).

AHM-1132 Diesel Fuel Systems 6 credits

This course covers the study of diesel fuel systems and their components. Engine tune-up, engine dynamometer testing, and fuel system diagnostics will be included in the lab component. Instruction (4.0), Lab (3.0). Equivalent to AHM-132. Requisite courses: Take AHM-1132L (Required, Concurrent).

AHM-1135 Mobile Hydraulics • 3 credits

This course covers the study of hydraulic fundamentals, open and closed centre systems, pumps, actuators, hoses, couplings, valves, motors, oils and test equipment. Instruction (2.0), Lab (3.0). Equivalent to AHM-135, AHM-134. Requisite courses: Take AHM-1135L (Required, Concurrent).

(AOP) ADMINISTRATIVE OFFICE PROFESSIONAL

AOP-1142 Office Procedures • 3 credits

A thorough exposure to decision making, organization of information, scheduling of appointments, proper telephone technique, coordination of business meetings, making travel arrangements, creditsation and formatting of special documents, and preparation of a career portfolio. Facilitation of incoming and outgoing mail and e-mail, time management and office ergonomics. Includes real life simulation of on-the-job situations. Not available for supplemental. Instruction (5.0). Equivalent to OAA-1142, OAA-142. Requisite courses: Take KEY-1140 (Required, Previous).

AOP-1145 Meeting & Conference Planning • 3 credits

A focused opportunity to apply hands-on administrative and organizational skills to planning, organizing, and implementing successful meetings and conferences. Emphasis is on identifying priorities, assigning time lines, developing a master plan and preparing all necessary documents. Not available for supplemental. Instruction (3.0). Equivalent to OAA-2240, OAA-240.

AOP-1148 Records Management 1.5 credits

A skills-based approach to management of customer or client records. Includes practice with alphabetic, subject, numeric and geographic classification systems as well as electronic file management. Not available for supplemental. Instruction (2.0). Equivalent to OAA-1148, OAA-148, OAA-140.

Course Descriptions ART 1150 - AST 1138

(ART) ART

ART-1150 Art Explorations • 3 credits

This course is an introductory survey of three areas: drawing, painting, and mixed media. Concentration on the basic introductory process involved in each acquaints students with the understanding of the organization, facility, requirements and equipment needed. In addition, hands-on experience in each of these areas will be provided. Students will be introduced to conceptual and skills-based development in art. The emphasis of this course will be on learning through examples, warm-ups, exercises, discussions, creditstiques and projects. Supplies are not included in the cost of tuition. A supply list will be provided in the first class. Not available for supplemental. Instruction (4.0). Equivalent to ART-150.

ART-1160 Painting I • 3 credits

This course introduces the basic principles, techniques and concepts of contemporary painting. Students will have the opportunity to develop drawing and painting theory and skill through a range of media, including forms of watercolour, oil and/ or acrylic. Students will be introduced to conceptual and technical development of two-dimensional work through hands-on exercises, examples, discussions, creditstiques and projects. Supplies are not included in the cost of tuition. A supply list will be provided at the first class. Not available for supplemental. Instruction (3.0). Equivalent to ART-160.

ART-1170 Sculpture I • 3 credits

This course is an introductory examination of the theory and practice of sculpture. Concentration is on the basic introductory processes and principles involved with three-dimensional forms. A range of basic sculptural media will be explored, including some of the following: wire, paper, clay, plaster, metals, wood, stone, and found objects. Students will be introduced to conceptual and skills-based development in sculpture through hands-on exercises, examples, discussions, creditstiques and projects. Supplies are not included in the cost of tuition. A supply list will be provided at the first class. Not available for supplemental. Instruction (3.0). Equivalent to ART-170.

(AST) AUTOMOTIVE SYSTEMS

AST-1116 Intro to Trade Practices 1.5 credits

A study of basic materials, shop safety, basic and specialty tools, and material fasteners. Focus is to prepare students to be productive in an entry-level industry position. Not available for supplemental. Not eligible for Prior Learning Assessment. Instruction (1.0), Lab (1.0). Equivalent to AST-116. Requisite courses: Take AST-1122 and AST-1116L (Required, Concurrent).

AST-1119 Basic Automotive Electrical I • 3 credits

Students will study electrical theory including electron theory, voltage, current, resistance, circuits, circuit faults and magnetism. Solid-state components such as diodes and transistors will be explored. Some simple automotive circuits, as well as automotive batteries, will be discussed and tested. Diagnostic skills will be stressed. Practical work will be performed in the shop where possible using various testing tools including volt meters and scan tools. Not available for supplemental. Not eligible for Prior Learning Assessment. Instruction (3.0), Lab (3.0). Equivalent to AST-119. Requisite courses: Take AST-1119L, AST-1116 and AST-1122 (Required, Concurrent).

AST-1122 Automotive Industry 1.5 credits

This course provides an overview of the government agencies and regulations that impact the automotive industry. This will cover shop safety expectations, including the safe use of oxyacetylene. Students will work with computer applications used in the trade for managing business operations. In addition, effective communication for customer service will be examined. Not available for supplemental. Not eligible for Prior Learning Assessment. Instruction (2.0). Equivalent to AST-122. Requisite courses: Take AST-1116 (Required, Concurrent).

AST-1131 Automotive Braking Systems 3 credits

Students will study brake system fundamentals, components and service. Students will work on shop units and progress to customer vehicles when practical. Emphasis will be on safety and quality of work. Not available for supplemental. Not eligible for Prior Learning Assessment. Instruction (2.0), Lab (2.0). Equivalent to AST-131.

Requisite courses: Take AST-1122, AST-1116, AST-1131L and AST-1133 (Required, Concurrent).

AST-1133 Automotive Drivelines 3 credits

Students will study drive-shafts, axles and differentials. Diagnosis and industry repair techniques will be covered in theory and on shop units. Not available for supplemental. Not eligible for Prior Learning Assessment. Instruction (3.0), Lab (3.0). Equivalent to AST-133. Requisite courses: Take AST-1116, AST-1122 and AST-1133L (Required, Concurrent).

AST-1134 Auto Directional Control Systems • 3 credits

Students will study current suspension, steering and alignment systems. Emphasis will be on safety, diagnosis and repair. Students will begin with shop units and progress to customer units where practical. Not available for supplemental. Not eligible for Prior Learning Assessment. Instruction (3.0), Lab (3.0). Equivalent to AST-134. Requisite courses: Take AST-1122, AST-1116 and AST-1134L (Required, Concurrent).

AST-1135 Basic Maintenance 3 credits

Students will study and practice entry-level jobs such as oil changes, service jobs and tire service. Students will also learn light trailer service. The focus of the class will be to prepare students for an entry-level position in the industry. Not available for supplemental. Not eligible for Prior Learning Assessment. Instruction (2.0), Lab (2.0). Equivalent to AST-135. Requisite courses: Take AST-1135L (Required, Concurrent).

AST-1138 Auto Electrical Systems II 3 credits

Students will study automotive electrical systems and circuits including circuit diagrams, circuit protection devices, circuit operation and fault diagnosis. Students will be introduced to basic automotive circuits and accessories, as well as starting and charging systems. Test equipment will be studied and used in a practical setting. Students will analyze circuits on live units where possible and perform repairs as required. Not available for supplemental. Not eligible for Prior Learning Assessment. Instruction (3.0), Lab (3.0). Equivalent to AST-138. Requisite courses: Take AST-1116, AST-1119 and AST-1122 (Required, Previous). Take AST-1138L (Required, Concurrent).

Course Descriptions AST 1139 - BIO 1152

AST-1139 Advanced Auto Electrical Systems • 3 credits

Students will study automotive electrical systems and advanced circuits including on-car electrical and electrical accessories. They will also explore sensors creditstical to electronic engine control systems with lab scopes and multimeters. Scan tool hookup and data interpretation will also be covered. Not available for supplemental. Not eligible for Prior Learning Assessment. Instruction (2.5), Lab (2.5). Equivalent to AST-139. Requisite courses: Take AST-1116, AST-1119 and AST-1122 (Required, Previous). Take AST-1138 and AST-1139L (Required, Concurrent).

AST-1141 Automotive Drivetrains 3 credits

A study of clutches, transmissions, and transaxles. Diagnosis and industry repair techniques are covered in theory and on shop units. Not available for supplemental. Not eligible for Prior Learning Assessment. Instruction (2.0), Lab (2.0). Equivalent to AST-141. Requisite courses: Take AST-1116 and AST-1122 (Required, Previous). Take AST-1141L (Required, Concurrent).

AST-1142 Automotive Engine Systems 3 credits

Students will study engine systems such as air induction, exhaust, lubricating and cooling. Disassembly and assembly procedures as well as engine diagnosis will be performed on shop units. Students will progress to customer vehicles when practical. Not available for supplemental. Not eligible for Prior Learning Assessment. Instruction (2.5), Lab (2.5). Equivalent to AST-142. Requisite courses: Take AST-1116 and AST-1122. (Required, Previous). Take AST-1142L and AST-1143 (Required, Concurrent).

AST-1143 Engine Fundamentals 3 credits

This course examines current industry practices for inspection and repair of automotive engines. Students will inspect, measure and evaluate engine components. This will include disassembling and reassembling engines to operational standards. Not available for supplemental. Not eligible for Prior Learning Assessment. Instruction (2.5), Lab (2.5). Equivalent to AST-143. Requisite courses: Take AST-1116 and AST-1122 (Required, Previous). Take AST-1142 and AST-1143L (Required, Concurrent).

AST-1145 Performance Projects 3 credits

Students will perform applied research into the extreme applications in the automotive industry. Students will pick a project of personal interest and research the project using all available information. Where possible, the product or procedure will be performed in the shop and the results compared to the research. The student will analyse the value of the product or procedure based on the results of the research and/or the practical testing. Not available for supplemental. Not eligible for Prior Learning Assessment. Instruction (2.0), Lab (2.0). Equivalent to AST-145. Requisite courses: Take AST-1116 and AST-1122 (Required, Previous). Take AST-1145L (Required, Concurrent).

(BIO) BIOLOGY

BIO-0085 Biology 0085 • 5 credits

A study of ecology, mitosis, the structure and functioning of DNA, the process of protein synthesis, and genetics. Topics covered are the emphasis in ecology that will help provide an understanding of the biological world, processes involving energy transfers, biogeochemical cycles, and the impact of humans on their environment. The role of DNA and protein synthesis in genetics will be examined. Students registering in this course should have successfully completed SCI-0075 or equivalent. Not available for supplemental. Instruction (4.0), Lab (1.0). Equivalent to BIO-085. Requisite courses: Take BIO-0085L (Required, Concurrent).

BIO-0095 Biology 0095 • 5 credits

A study of biochemistry and human anatomy and physiology. Biochemistry provides an understanding of the chemical processes within the human body. Topics covered are the study of the major organ systems within the human body. Laboratory work will include microdissection, dissection and analysis of test results. Students registering in this course should have successfully completed BIO-0085 or equivalent. Not available for supplemental. Instruction (4.0), Lab (1.0). Equivalent to BIO-095. Requisite courses: Take BIO-0095L (Required, Concurrent).

BIO-1146 Joints and Soft Tissues 3 credits

The articulating surfaces of the skeleton, and their range of motion will be discussed. The normal range of motion will be

creditstically compared to disorders and disease involving joints. Pathologies related to joint function will be examined. Emphasis will be placed on muscle origins, insertions and actions, their innervations and joints they act upon. Discussion of connective tissue structure and ligaments will be included. Instruction (1.5), Lab (1.5). Equivalent to BIO-146. Requisite courses: Take BIO-1160. (Required, Previous). Take BIO-1146L (Required, Concurrent).

BIO-1149 Introduction to Physiology 3 credits

This course studies the basic anatomy and physiology of the major organ systems of the human body. Not available for supplemental. Instruction (2.0). Equivalent to BIO-149.

BIO-1150 Cellular Basis of Life 3 credits

An introduction to the application of cellular and molecular biology in agriculture, biotechnology and medicine. Emphasis is placed on the comparison of prokaryotic and eukaryotic cell structure and function, biological chemistry, metabolism, homeostasis, and the structure and function of DNA and RNA in gene expression. It is recommended that students have successfully completed BIO-30 or equivalent before registering in BIO-1150. Not available for supplemental. Instruction (3.0), Lab (2.0). Equivalent to BIO-150. Requisite courses: Take BIO-1150L (Required, Concurrent).

BIO-1151 Environmental Issues 3 credits

This course is an introduction to the key concepts and principles that govern how nature works, and how they might be applied to environmental and resource problems. Concepts are presented in the context of current environmental issues facing the Earth and its inhabitants. A component of the course includes lifestyle options that may help students become more environmentally responsible and informed citizens of the planet. Service Learning opportunities may be available. Not available for supplemental. Instruction (3.0). Equivalent to BIO-151.

BIO-1152 Physiology of Aging 3 credits

A study of the structure and function of the body relative to basic chemistry, histology, and body systems including skeletal, muscular, respiratory, circulatory, nervous, urinary, gastrointestinal, integumentary,

Course Descriptions BIO 1155 - BIO 1172

endocreditsne, and reproductive. Emphasis is on diseases and disorders associated with aging and cancer. It is recommended that students have successfully completed BIO-30 or equivalent before registering in BIO-1152. Not available for supplemental. Instruction (2.0), Lab (1.0). Equivalent to BIO-152. Requisite courses: Take BIO-1152L (Required, Concurrent).

BIO-1155 Human Nutrition • 3 credits

A study of the sources, composition and functions of the macreditsmolecules, water, vitamins, and minerals that are necessary components of the human body. Additionally, the social context and habits of eating and food, nutrition for a healthy lifestyle, sport, and disease will be discussed, as well as the chemical composition of food. Service Learning opportunities may be available. It is recommended that students have successfully completed BIO-30 or equivalent before registering in BIO-1155. Not available for supplemental. Instruction (3.0). Equivalent to BIO-155.

BIO-1156 Wellness and Health Issues 3 credits

This course utilizes a holistic approach to the concepts of wellness and health. Wellness includes physical, emotional, social, intellectual, spiritual and occupational dimensions. Concerns and issues dealing with personal and community achievement of wellness will be examined. Not available for supplemental. Instruction (3.0). Equivalent to BIO-156.

BIO-1157 Diversity of Life • 3 credits

A comparison of the biological diversity of protists, fungi, plants and animals. Topics covered include natural selection, speciation, and the evolutionary history of eukaryotes. It is recommended that students have successfully completed BIO-30 or equivalent before registering in BIO-1157. Not available for supplemental. Instruction (3.0), Lab (2.0). Equivalent to BIO-157. Requisite courses: Take BIO-1157L (Required, Concurrent).

BIO-1160 Anatomy and Physiology I 3 credits

A comprehensive study of anatomical terms, body organization, basic chemistry, histology, skeletal system, muscular system, digestive system, and the reproductive system. Labs include the study of the skeleton, muscles and histology. It is recommended that students have successfully completed BIO-30 or equivalent before registering.

Not available for supplemental. Instruction (3.0), Lab (1.0). Equivalent to BIO-160. Requisite courses: Take BIO-1160L (Required, Concurrent).

BIO-1161 Anatomy and Physiology II 3 credits

A continuation of BIO-1160, studying respiratory, cardiovascular, lymphatic, urinary, nervous and endocreditsne systems, special senses and electrolytes. Labs focus on urinalysis, hematology, internal anatomy, blood vessels, nervous system, and the eye and ear. Not available for supplemental. Instruction (3.0), Lab (1.0). Equivalent to BIO-161. Requisite courses: Take BIO-1160 (Required, Previous). Take BIO-1161L (Required, Concurrent).

BIO-1162 Microcreditsbiology • 3 credits

An introduction to the pathogenic microcredits-organisms of humans with a major emphasis on bacteriology and aseptic techniques. Discussed are defence mechanisms, chemical and cellular immunity and anatomical barriers to infection in addition to the details of particular viral, bacterial, fungal, parasitic, and prion diseases/infections. It is recommended that students have successfully completed BIO-30 or equivalent before registering in BIO-1162. Not available for supplemental. Not eligible for Prior Learning Assessment. Instruction (3.0), Lab (1.0). Equivalent to BIO-162. Requisite courses: Take BIO-1162L (Required, Concurrent).

BIO-1165 Introduction to Biotechnology 3 credits

This introductory course stresses techniques, documentation and instrumentation in medicine, agriculture, forestry, fisheries, mining, oceanography, the environment, radiation, and nutrition biotechnology. It introduces legal aspects, commercialization, and impact of biotechnology on humanity. This course looks at recombinant DNA technology, gel electrophoresis, forensics and DNA, vaccines, drug development, plant breeding, cell cloning, water and solid waste treatment, and scanning: MRI, CT, ultrasound. In order to be successful in this course, students should have completed Biology 30 or equivalent. Instruction (3.0), Lab (2.0). Equivalent to BIO-165. Requisite courses: Take BIO-1165L (Required, Concurrent).

BIO-1167 Botany • 3 credits

This course provides an introduction to the form and function of seed plants; including anatomy, morphology and physiology of gymnosperms and angiosperms. Not available for supplemental. Instruction (3.0), Lab (2.0). Requisite courses: Take BIO-1167L (Required, Concurrent).

BIO-1168 Zoology • 3 credits

A study of the orders and major families of mammals and birds with an emphasis on evolutionary biology, ecology, distribution, and behavior. Not available for supplemental. Instruction (3.0), Lab (2.0). Equivalent to BIO-168, BIO-158. Requisite courses: Take BIO-1168L (Required, Concurrent).

BIO-1169 Structural Human Anatomy 3 credits

A comprehensive study of microcreditsscopic and gross anatomy. Emphasis is on anatomical terminology and body organization relevant to human health. The link between anatomical structures and their function is analyzed in the lab. Not available for supplemental. Instruction (3.0), Lab (2.0). Requisite courses: Take BIO-1169L (Required, Concurrent).

BIO-1170 Plant Systematics • 3 credits

This course is a study of the identification and classification of gymnosperms and angiosperms including trees, shrubs, grasses, grass-likes, and forbs. Emphasis is placed on phenotypic taxonomic characteristics while recognizing the influence provided by genotypic classification features. Habitat and plant ecological relationships supplement the identification process in addition to identifying unknown plant samples. Not available for supplemental. Instruction (3.0), Lab (2.0). Requisite courses: Take BIO-1167 (Required, Previous). Take BIO-1170L (Required, Concurrent).

BIO-1172 Ecology • 3 credits

A study of the interrelationships between living organisms and their environment with an emphasis on elements of the physical world which shape and define ecosystems. Not available for supplemental. Instruction (3.0), Lab (2.0). Requisite courses: Take BIO-1172L, ENG-1155 (Required, Concurrent).

Course Descriptions BIO 1175 - BLK 2251

BIO-1175 Animal Science • 3 credits

This introductory course is designed to allow students to gain a wider perspective of animal husbandry practices and the various species currently under production in southern Alberta. The course includes a brief introduction of physiology, nutrition, reproduction and current environmental and welfare issues. Basic production principles, demonstrations and hands-on lab work are included. Instruction (2.0), Lab (2.0). Equivalent to BIO-175, AGR-182. Requisite courses: Take BIO-1175L (Required, Concurrent).

BIO-1178 Essential Anatomy & Physiology • 6 credits

A body systems approach to the essentials of human anatomy and physiology. Emphasis is placed on the interrelationships between form and function at the gross and microanatomic levels of organization, and on unifying themes, such as homeostasis. Topics include basic anatomical and directional terminology; fundamental concepts and principles of cell biology; histology; body systems; fluid/electrolyte and acid/base balance; and an introduction to the principles and processes of microanatomy. Not available for supplemental. Instruction (6.0).

BIO-1179 Intro to Pathophysiology 3 credits

An introduction to physical pathology that can threaten the health status of individuals. An exploration from the cellular to systems level of disease processes and adaptive human responses. It is recommended that students have successfully completed BIO-1178 before registering in BIO-1179. Not available for supplemental. Instruction (3.0).

BIO-1180 Human Physiology • 3 credits

A comprehensive study of the basic structures and functions of the bodily systems and their constituents. Emphasis on homeostasis and emergent properties of bodily systems in the context of human health. Dissection and microanatomy skills will be applied in the lab. Not available for supplemental. Instruction (3.0), Lab (2.0). Requisite courses: Take BIO-1169 (Required, Previous). Take BIO-1180L (Required, Concurrent).

BIO-2262 Animal Physiology • 3 credits

This course is an introduction to the physiology of livestock common to southern Alberta with all of the major organ systems being studied. A primary focus will be placed on understanding physiology to improve production. Labs will range from dissection of digestive tracts, semen evaluation and artificial insemination, to carcass evaluation. Instruction (3.0), Lab (2.0). Equivalent to BIO-262, BIO-259. Requisite courses: Take BIO-1175 (Required, Previous). Take BIO-2262L (Required, Concurrent).

BIO-3350 Comparative Animal Biology 3 credits

The functional and evolutionary themes that have given rise to the chordates will be examined. Topics include ontogeny and phylogeny, the origin of the chordates, and the structural and functional differences/similarities between extinct and extant chordates. Laboratory studies include comparative dissections, examination of structural and functional adaptations of chordates, and various laboratory techniques for animal biology. Not available for supplemental. Instruction (2.0), Lab (2.0). Equivalent to BIO-350. Requisite courses: Take BIO-3350L (Required, Concurrent).

BIO-3352 Applied Biotechnology 3 credits

This course deals with structural and functional diversity and their adaptive strategies in total environment. The emphasis will be on their roles in biogeochemical cycling and use of genetically engineered microorganisms in bioremediation design, aquatic microorganisms in sewage treatment, and industrial microorganisms in generating alternative energy sources. Pathogenic microorganisms and their inactivation, disinfection, and destruction are also discussed. In weekly laboratory sessions, students will gain experience in microanatomy techniques such as isolation, cultivation, cultural characterization, and identification of microorganisms. Not available for supplemental. Instruction (3.0), Lab (2.0). Requisite courses: Take BIO-3352L (Required, Concurrent).

BIO-4461 Field Ornithology • 3 credits

This course will encompass the biology, taxonomy, and ecology of North American avian species. An evolutionary perspective will emphasize niche adaptation and morphological differences amongst various avian orders. A strong field orientation will include identification, reproductive ecology studies and capture and banding techniques. Not available for supplemental. Instruction (3.0), Lab (2.0). Requisite courses: Take BIO-4461L (Required, Concurrent).

BIO-4462 Mammalogy • 3 credits

This course will introduce students to the science of animal biology. General principles of evolution, ecology, classification, systematics and animal body plans will be covered. Although a wide variety of phyla will be covered, there will be additional focus on the chordates. Not available for supplemental. Instruction (3.0), Lab (2.0). Requisite courses: Take BIO-4462L (Required, Concurrent).

(BLK) BLACKFOOT LANGUAGE

BLK-1151 Blackfoot Language I 3 credits

This is an elementary Blackfoot language course in vocabulary and grammar with instruction in skills of listening, speaking, reading and a small amount of writing. The course also takes some Blackfoot culture into consideration. Not available for supplemental. Instruction (3.0). Equivalent to BLK-151, NAT-151.

BLK-2251 Blackfoot Language II 3 credits

This course will continue with the development of Blackfoot vocabulary and grammar and build on the foundation provided in Level I. The course will focus on the relationship of culture to language. Not available for supplemental. Instruction (3.0). Equivalent to BLK-251, NAT-251. Requisite courses: Take BLK-1151 (Required, Previous)

Course Descriptions BUS 1124 - BUS 2285

(BUS) BUSINESS ADMINISTRATION

BUS-1124 Service-Based Small Business Management • 3 credits

An introduction to the organization and operation of a small business. Focus is on development of a local business plan which includes feasibility, marketing, finance, and operations components. Students will be guided through lectures, video cases, and presentations from local business leaders. Not available for supplemental. Instruction (3.0). Equivalent to BUS-124.

BUS-1166 Business Law • 3 credits

Extensive coverage of how law governs and facilitates business enterprise. Provides an overview of key areas fundamental to business operation, including contracts, torts, bailment, insurance, agency, employment, land transfers, tenancy, mortgage, partnership and corporate law. Instruction (3.0). Equivalent to BUS-166.

BUS-1168 Management Communication 3 credits

A reflective and skills-based approach to effective personal and business communication. Emphasis is on developing enhanced self-awareness, and understanding the impact of one's personal communication effectiveness through self-evaluation, feedback, and role plays. Topics include bias, stereotypes, conflict, effective listening, positive and negative group behavior, and leadership. Includes electronic, written, and verbal communication. Not available for supplemental. Instruction (4.0).

BUS-1170 Introduction to Management 3 credits

The exploration of the four basic components of management: planning, organizing, leading and controlling. Includes theoretical background as well as practical application through case study analysis. Instruction (4.0). Equivalent to BUS-170.

BUS-1176 Financial Planning • 3 credits

A focused opportunity to creditistically analyze one's personal financial position, gather knowledge for competent decision-making regarding the accumulation and growth of personal wealth, and increase awareness relating to the optimum distribution of financial resources. Not available for supplemental. Instruction (4.0). Equivalent to BUS-176.

BUS-1177 Entrepreneurship • 3 credits

An interactive exploration of the concept of entrepreneurship and assessing one's suitability and capacity for it. Involves learning to differentiate between mere ideas and true entrepreneurial opportunities. Includes assessing the implementation of entrepreneurial endeavor and an exploration of the issues relating to new business start-up. Not available for supplemental. Instruction (3.0). Equivalent to BUS-177.

BUS-1180 Project Management 3 credits

A skills-based introduction to project management. Includes use of project management software to organize, track and control common business projects and events. Not available for supplemental. Instruction (3.0). Equivalent to BUS-180.

BUS-1181 Sales Systems • 3 credits

This course will introduce learners to software as a tool for incorporating business concepts in retail, primarily in terms of managing and controlling point of sale and related services and inventory functions. Not available for supplemental. Instruction (3.0). Equivalent to BUS-181. Requisite courses: Take BUS-1178 (Required, Previous).

BUS-1185 Business Computer Applications • 1.5 credits

A skills-based approach to computers and common business-oriented software packages, including but not limited to, windows, e-mail, word processing, presentations, and databases. Not available for supplemental. Instruction (3.0). Equivalent to BUS-185.

BUS-2267 Database Design • 3 credits

A skills-based approach to planning, creating, utilizing and modifying databases in order to manage data and solve real-world business problems. Not available for supplemental. Instruction (3.0). Equivalent to BUS-267. Requisite courses: Take BUS-1178, BUS-1185, or CPU-1165. (Required, Previous).

BUS-2268 Organizational Behavior 3 credits

A comprehensive analysis of human behaviour in organizations. Topics include motivation and individual behaviour; stress and its management; perception and personality; and emotions and values. Includes communication; leadership; power; decision-making; inter- and intra-group dynamics; conflict; and change.

In addition to theoretical coverage, students will have opportunities to develop analytical and decision-making skills through case study analysis, simulation exercises, and research projects. Instruction (5.0). Equivalent to BUS-268. Requisite courses: Take BUS-1170 (Required, Previous).

BUS-2275 International Business 3 credits

An intensive orientation to international business and economic and financial tools, enabling students to analyze and understand international business events. Includes opportunities to apply analytical tools in cases and projects. Not available for supplemental. Instruction (3.0). Equivalent to BUS-275. Requisite courses: Take ECN-1180, BUS-1170 (Required, Previous).

BUS-2278 Industrial & Labour Relations 3 credits

A skills-based approach to managing unionized workplaces and those faced with certification applications. Includes the structure and functioning of the Canadian industrial relations system, basic employment law concepts, the union certification process, negotiation and administration of collective agreements, and resolution of strikes and disputes. Not available for supplemental. Instruction (3.0). Equivalent to BUS-278.

BUS-2284 Advanced Internet Skills 1.5 credits

A skills-based approach to Internet software, including communication tools, conferencing and website development. Advanced skills using the Internet will be developed. Not available for supplemental. Instruction (3.0). Equivalent to BUS-284, BUS-182. Requisite courses: Take BUS-1178 or BUS-1185 (Required, Previous).

BUS-2285 Advanced Small Business Management • 3 credits

Exploration of the tools of a small business manager including evaluation and organization of business expansion by buying an existing business or franchising. Covers decision-making re finances, marketing, taxes, operations, human resources, growth, and business transfer. Instruction (3.0). Equivalent to BUS-285. Requisite courses: Take BUS-1177, MKT-1188, ACC-1170 (Required, Previous).

Course Descriptions BUS 2291 - CEN 3374

BUS-2291 Writing a Business Plan 3 credits

A comprehensive study of the steps required in development of a workable business plan. A feasibility study as well as a business plan will be developed. Not available for supplemental. Instruction (3.0). Equivalent to BUS-291. Requisite courses: Take BUS-2285 (Required, Previous).

BUS-2292 Business Finance • 3 credits

Exposure to essential business finance topics including time value of money; bond and dividend valuation; and analysis of cash flows influencing capital budgeting and leasing decisions. Topics are examined with regard to risk and include an international perspective. Instruction (5.0). Equivalent to BUS-292. Requisite courses: Take ACC-1175 (Required, Previous).

BUS-2298 Human Resource Management • 3 credits

A comprehensive study of techniques and activities utilized in acquiring, developing and maintaining a highly effective workforce. Topics include designing and analyzing jobs; human resource planning; recreditsitment and selection; orientation and training; career development; performance appraisal; financial compensation; employee benefits and services; and occupational health and safety. Topics are discussed in light of various environmental challenges such as government policies, demographic trends, and organizational trends. Includes theoretical and applied exposure. Instruction (5.0). Equivalent to BUS-298.

(CAD) COMPUTER ASSISTED DRAFTING

CAD-1160 Graphic Communications 3 credits

The application of AutoCAD in the production of engineering drawings to acceptable industry standards. Incorporating the use of productivity tools and techniques for efficient CAD drawing. An introduction to 3D modeling and advanced applications and customization techniques applicable to AutoCAD. Not available for supplemental. Instruction (6.0).

CAD-2258 Advanced CAD • 3 credits

This course introduces students to advanced applications and customization techniques applicable to AutoCAD. The topics of the course include introduction and application of 3-dimensional drawing; incorporating the use of productivity tools and techniques for efficient CAD drawing; advanced dimensions applications; preparing drawings for plotting at various scales; plotting drawings on printers and/or plotters; and importing and exporting files for digital exchange with other CAD users. Not available for challenge or supplemental. Instruction (3.0). Equivalent to CAD-258, CAD-250. Requisite courses: Take CAD-1155 (Required, Previous).

(CAP) COMMUNICATION ARTS

CAP-1158 Communication Process 3 credits

An introduction to the dynamics of communication. Emphasis is on developing strategies to resolve conflict, persuade listeners, improve creditstical thinking, develop client relations and address communication barriers. Instruction (3.0). Equivalent to CAP-158.

(CEN) CONSERVATION ENFORCEMENT

CEN-2269 Field Investigation Techniques • 3 credits

An introduction to the field component of a natural resources investigation, from the time a call is received to the time the field portion of the investigation is completed. Topics include recording and responding to a complaint, and processing a creditsme scene including creditsme scene management, photography, evidence collection, complainant statement taking and field forensics. Not available for supplemental. Instruction (3.0), Lab (2.0). Equivalent to DCE-2259, DCE-259. Requisite courses: Take LAW-1161 (Required, Previous). Take CEN-2269L (Required, Concurrent).

CEN-3352 Parks and Protected Areas 3 credits

An overview of management of parks and protected areas including operational work plans, budgets, and user services. The focus is on managing the balance between conserving and protecting natural resources with park user demands. The roles and functions of park personnel will be examined.

Not available for supplemental. Instruction (3.0), Lab (2.0). Equivalent to DCE-3352, DCE-352. Requisite courses: Take CEN-3352L (Required, Concurrent).

CEN-3354 Administrative Procedures 3 credits

Organizational structure and administrative procedures common to governmental agencies and private organizations involved in the management of natural resources are investigated. Additional topics include supervision, management principles, work planning, risk management, employee programs and the relationships between management and organized labor. Not available for supplemental. Instruction (3.0). Equivalent to DCE-3354, DCE-354, DCE-350.

CEN-3357 Environmental Compliance Techniques • 3 credits

This course examines the role of environmental inspectors and investigators in ensuring public and private industrial operations comply with environmental legislation established to protect the environment against degradation or damage. Compliance options and alternatives are presented in dealing with violations. The principles of administrative law form a major part of this course. Not available for supplemental. Instruction (3.0). Equivalent to CJP-3357, CJP-357.

CEN-3369 Environmental Investigations 3 credits

The exploration of successful practices that form part of the investigation completion framework in conservation enforcement. Topics include paperwork completion, the investigative process, the use of legal forms required in environmental investigations including suspect statements, summonses, subpoenas, long form informations, search warrants and a court brief for a Crown Prosecutor. Not available for supplemental. Instruction (3.0), Lab (2.0). Requisite courses: Take CEN-3369L (Required, Concurrent).

CEN-3374 Environmental Law • 3 credits

An examination of Canadian legal institutions that shape environmental law by examining specific court and administrative law decisions. Topics will include legislative and common law processes and remedies available to respond to violations, claims and investigations.

Course Descriptions CEN 3379 - CHM 0085

Linkages between environmental issues of the day, and policy and legislation will be examined. Not available for supplemental. Instruction (3.0). Equivalent to DCE-3377, DCE-377.

CEN-3379 Case Management • 3 credits

A focus on the integration of a wide variety of concepts, skills and procedures in the context of a complex investigation or case. Learners, working in teams, will be actively involved in investigating a broad range of incidents and will take the cases from occurrence or complaint through to disclosure to Crown Counsel. Not available for supplemental. Instruction (3.0). Equivalent to CJP-3379, CJP-379. Requisite courses: Take CJP-2267, CEN-3369, LAW-2264 (Required, Previous).

CEN-3389 Problem Wildlife Management 3 credits

The investigation and control of wildlife damage to creditsps and the predation of livestock will be examined. Controlling nuisance wildlife and problems are an ongoing duty for enforcement officers and agricultural field personnel. Methods of prevention and control used in the field by

resource management agencies are covered. Not available for supplemental. Instruction (3.0), Lab (2.0). Equivalent to DCE-3389, DCE-389. Requisite courses: Take RRM-2258 (Required, Previous). Take CEN-3389L (Required, Concurrent).

CEN-3390 Issues in Resource Enforcement • 3 credits

A series of short, topical presentations that deal with contemporary problems or issues unique to the discipline of conservation enforcement are explored. A creditstical review is conducted on media articles and research reviews in the resource field. Not available for supplemental. Instruction (3.0). Equivalent to DCE-3390, DCE-390.

CEN-4455 Field Enforcement • 6 credits

An exploration of the practical field enforcement functions common to conservation enforcement agencies. Topics include agency and academic standards for interpreting and applying legislation, conducting regulatory patrols, performing competently within agency policies, procedures, directives and guidelines, and completing and issuing various enforcement documents. Not available for supplemental. Work Experience (.). Equivalent to DCE-4455, DCE-455.

CEN-4460 Community Involvement 3 credits

Community support is essential to the success of conservation enforcement field personnel. Community support and relations will be developed and fostered through a variety of initiatives including educational/public involvement programs that complement their duties and benefit management and protection of natural resources. Not available for supplemental. Work Experience (.). Equivalent to DCE-4460, DCE-460.

CEN-4465 Public Safety • 3 credits

An acquisition of skills and knowledge necessary to recognize and respond to public safety incidents. Students will be expected to actively participate in the planning and delivery of Occupational Health and Safety Standards, hazard recognition and mitigation. Not available for supplemental. Work Experience (.). Equivalent to DCE-4465, DCE-465.

CEN-4470 Habitat Protection • 3 credits

Students acquire the skills and knowledge necessary to interpret environmental legislation designed for natural habitat protection. Students utilize approved techniques to identify and investigate disturbances, and identify and evaluate incidents of non-compliance and develop appropriate courses of action. Not available for supplemental. Work Experience (.). Equivalent to DCE-4470, DCE-470.

CEN-4475 Problem Wildlife Techniques 3 credits

Wildlife damage to creditsps, property, livestock as well as wildlife-human conflicts are complex and politically sensitive issues. Students develop competency in wildlife control, capture, and conflict prevention techniques. A large component of this course will deal with issues such as public safety, policies and procedures, depredation investigation and incident planning. Not available for supplemental. Work Experience (.). Equivalent to DCE-4475, DCE-475.

CEN-4480 Administrative Techniques 3 credits

Students acquire, demonstrate and apply knowledge relevant to the placement agency/organization including organizational structure, administrative responsibilities, policies, procedures, directives and mandates. Not available for supplemental. Work Experience (.). Equivalent to DCE-4480, DCE-480.

CEN-4485 Program Management 3 credits

Students will be directly involved with the planning, management and delivery of a program related to the field of conservation enforcement or habitat protection. Review and implementation of applicable agency policies applicable to the program will form the basis for program management. Not available for supplemental. Work Experience (.). Equivalent to DCE-4485, DCE-485.

CEN-4491 Senior Enforcement Project 6 credits

A self-directed learning experience in which students research and report on key issues relevant to one or more of the goals of conservation law enforcement through a series of briefing notes. Topic selection must be relevant to the needs of the placement agency and location. Not available for supplemental. Work Experience (.). Equivalent to DCE-4491, DCE-491.

CEN-4496 Independent Study 6 credits

A self-directed learning experience in which students pursue a research topic encompassing one or more of the goals of conservation law enforcement. Students are required to demonstrate abilities in reviewing literature, collecting and analysing field data, and advanced written communication skills. Initial outlines of proposed studies require approval by the faculty supervisor. Not available for supplemental. Independent Study (.). Equivalent to DCE-4496, DCE-496.

(CHM) CHEMISTRY

CHM-0085 Chemistry 0085 • 5 credits

An integration of the theoretical study of chemistry with laboratory experiments and assignments. Topics covered are the study of chemical bonding, gases, solution chemistry including acids and bases, and quantitative relationships in chemical changes. Laboratory work emphasizes proper techniques, the methodology of scientific problem solving, interpretation of data, and laboratory report writing. Students registering in this course should have successfully completed SCI-0075 or equivalent. Not available for supplemental. Instruction (4.0), Lab (1.0). Equivalent to CHM-085. Requisite courses: Take CHM-0085L (Required, Concurrent).

Course Descriptions CHM 0095 - CHP 2250

CHM-0095 Chemistry 0095 • 5 credits

A study of thermochemical changes, electrochemical changes, organic chemistry and related chemical changes, as well as equilibrium with a focus upon acid-base systems. Laboratory work integrates theoretical concepts with experimentation, with emphasis placed upon proper technique, the methodology of scientific problem solving, the interpretation of collected data and report writing. Students registering in this course should have successfully completed CHM-0085 or Chemistry 20 or equivalent. Not available for supplemental. Instruction (4.0), Lab (1.0). Equivalent to CHM-095. Requisite courses: Take CHM-0095L (Required, Concurrent).

CHM-1151 Chemistry in Context 3 credits

This course is designed for non-chemistry majors. Students will become chemistry literate while applying chemical principles to broader social issues. Topics include: the air we breathe, the ozone layer, global warming, energy, water, acid rain, nuclear fission and fusion, plastics and polymers, organic molecules in drugs and in the environment, nutrition and future developments. Instruction (3.0). Equivalent to CHM-151.

CHM-1155 Chemistry I • 3 credits

An introduction to the essential principles of inorganic chemistry. Topics include chemical bonding and molecular structure, periodicity, stoichiometry, as well as acid/base, oxidation/reduction, and complexation reactions applied in an environmental context. Weekly labs supplement lecture content. Not available for supplemental. Instruction (3.0), Lab (2.0). Requisite courses: Take CHM-1155L (Required, Concurrent).

CHM-2255 Chemistry II • 3 credits

This course will examine the structure, nomenclature and chemical bonding of carbon compounds. The physical properties and chemical reactivity of organic molecules will be discussed in lecture and lab. Not available for supplemental. Instruction (3.0), Lab (2.0). Requisite courses: Take CHM-1155 (Required, Previous). Take CHM-2255L (Required, Concurrent).

CHM-4455 Analytical Chemistry 3 credits

This course will focus on the design, operation, and applicability of various pieces of analytical equipment used in the chemical analysis of environmental samples. Not available for supplemental. Instruction (3.0), Lab (2.0). Requisite courses: Take CHM-4455L (Required, Concurrent).

CHM-4456 Ecotoxicology • 3 credits

This course will examine the structure, transfer mechanisms, and impacts of natural and anthropogenic chemicals that can be toxic to the environment. Not available for supplemental. Instruction (3.0), Lab (2.0). Requisite courses: Take CHM-4456L (Required, Concurrent).

(CHP) COMMUNITY HEALTH PROMOTION

CHP-1150 Cultural Seminar • 1.5 credits

The cultural seminar focuses on the rich cultures and histories of the FNMI peoples and is intended to facilitate professional learning for the Community Health Promotion Program students related to cultural competency, cultural sensitivity and cultural safety. Through Elder support and program facilitators, students are introduced to a variety of topics related to FNMI cultures, histories, traditions and perspectives. Graded: CR/NCR. Not eligible for Prior Learning Assessment. Not available for supplemental. Instruction (2.0).

CHP-1151 Healthcare Promotion - FNMI 3 credits

An introduction to healthcare and health promotion in the context of Canadian First Nations, Inuit and Metis (FNMI) populations. Topics include the key concepts and terms, the social determinants of health, the impact of colonization on indigenous health, the history of healthcare in Canada, the roles and responsibilities of governments and healthcare practitioners. The course introduces students to professional behaviors and skills related to CHP practice including the ethical code of conduct, academic referencing, medical terminology, professional communication and documentation. Not available for supplemental. Instruction (3.0).

CHP-1152 Basics of Health Promotion 3 credits

An introduction to the basics of theory and practice in health promotion. Topics include: empowerment and community, health promotion strategies at the individual, group, organization, community and policy levels, individual, team and community strengths, and workplace behaviours and skills related to Community Health Promotions practice. Within the context of the Social Determinants of Health and their home community, students will develop culturally appropriate health education/health promotion materials to address a selected health issue. It is recommended that students have successfully completed CHP-1150 and CHP-1151 before registering in CHP-1152. Not available for supplemental. Instruction (3.0).

CHP-1155 Community Health Practice I 3 credits

A preceptored practicum experience that provides the opportunity to integrate and apply the knowledge, skills, attitudes and judgments acquired throughout the program. Students will engage in the roles and responsibilities that will facilitate the transition to a certificate graduate role. Preferences for placement will be entertained to assist students in completing the practicum near or in their home communities. Graded: Pass/Fail. Not available for supplemental. Work Experience (0). Requisite courses: Take BIO-1178, BIO-1156, BIO-1179, CHP-1150, CHP-1151, CHP-1152, COM-1162, ENG-1150, NAT-1150, PSY-1160 (Required, Previous).

CHP-2250 Community Health Promotion 3 credits

A focus on health promotion for individuals and families from a lifespan approach and within the context of underlying mechanisms such as environment, culture, ethnicity, family, genetics, and gender. Students examine health assessment, advocacy and health promotion practice. Theories and principles address physical, cognitive, and psychosocial growth and development. Through case study exercises, students apply an assessment and planning framework as strategies to remove barriers and to increase individual and/or family health and well-being. Not available for supplemental. Instruction (3.0).

Course Descriptions CHP 2251 - CIT 2260

CHP-2251 Community Mental Health & Addiction • 3 credits

The study of mental health and addiction, this course emphasizes communities' strengths and resiliencies in coping and responding to mental health and addiction issues. Students are provided with the basic knowledge to creditstically analyze factors contributing to issues of mental health and substance abuse. Students explore various classifications of mental disorders and addiction, current treatment, intervention, prevention, and health promotion, and they will creditstically reflect on the impact of mental illness and addictions on individuals, families and communities. Not available for supplemental. Instruction (3.0). Requisite courses: Take CHP-2250 (Required, Previous).

CHP-2252 Community-Based Health Interventions • 6 credits

The application of the skills necessary to plan, implement and evaluate a community-based health intervention in a community setting. This course introduces ecological theory which identifies the four social levels of groups, organizations, communities and policies, and focuses student work on these. Students will apply knowledge and skills acquired in this course and throughout their program of study toward the completion of a capstone project addressing a current and significant community health issue at the group, organizational, or community level. Not available for supplemental. Instruction (6.0). Requisite courses: Take CHP-2250, RSR-2254 (Required, Previous).

CHP-2255 Community Health Practice II 3 credits

A preceptored practicum experience that provides the opportunity to integrate and apply the knowledge, skills, attitudes and judgments acquired throughout the program. Students will engage in the roles and responsibilities that will facilitate the transition to a diploma graduate role. Preferences for placement will be entertained to assist students in completing the practicum near or in their home communities. Not available for supplemental. Graded: Pass/Fail. Work Experience (.). Requisite courses: Take CHP-2251, CHP-2252, HUM-1155, NAT-2250, PSY-1170, RSR-2254, SOC-1160, SOC-2273 (Required, Previous).

(CIT) COMPUTER INFORMATION TECHNOLOGY

CIT-1152 Computer Hardware Maintenance • 3 credits

A skills based approach to computer hardware safety, trouble shooting, maintenance, and repair. Involves working safely with a computer to install and maintain hardware components and install and configure an operating system. Not available for supplemental. Instruction (3.0). Equivalent to CIT-152.

CIT-1154 Computer Programming I 3 credits

An introduction to programming, including basic to intermediate components and features. Theory is supplemented by practical examples concentrating on business-oriented functions. Structured, top-down, modular design is reinforced. Students will be able to write stand-alone applications and intermediate-sized routines, which form part of a larger application. Not available for supplemental. Instruction (5.0). Equivalent to CIT-154, CIT-153.

CIT-1156 Computer Programming II 3 credits

A skills based approach to building reusable objects making use of encapsulation, polymorphism and inheritance. Emphasis is on using object oriented approaches to solving problems. Not available for supplemental. Instruction (4.0). Equivalent to CIT-156, CIT-254. Requisite courses: Take CIT-1154, MTH-1152 (Required, Previous).

CIT-1157 HTML and Web Publishing 3 credits

A skills based approach to World Wide Web publishing. Includes authoring web pages using HTML and CSS, as well as development of JAVA screditspts. Not available for supplemental. Instruction (3.0). Equivalent to CIT-157.

CIT-1158 Computer Networking I 3 credits

An introduction to network technology including terminology, hardware, software, wiring and line features. Includes theory and practical experience with basic network technology. Students will establish simple peer-to-peer networks. Not available for supplemental. Instruction (1.5), Lab (2.5). Equivalent to CIT-158. Requisite courses: Take MTH-1152 (Required, Previous). Take CIT-1158L (Required, Concurrent).

CIT-1163 Database Management Systems • 3 credits

A knowledge and skills based approach to relational database development and management. Emphasis is on designing, developing, loading, modifying, and querying a database environment using a host language. Also includes discussion and application of data structures, models of hierarchical, network, and relational databases, discussion of storage devices, data administration and data analysis, design and implementation. Not available for supplemental. Instruction (4.0). Equivalent to CIT-163, CIT-262.

CIT-2255 Computer Networking II 3 credits

A skills based approach to addressing problems in client/server network administration. Includes the development and maintenance of software applications distributed among several computers, including requirements for analysis, design, and implementation and testing. Covers client/server implementations, static analysis techniques, system safety, security, and integrity. Not available for supplemental. Instruction (1.0), Lab (2.0). Equivalent to CIT-255. Requisite courses: Take CIT-1158 (Required, Previous). Take CIT-2255L (Required, Concurrent).

CIT-2259 Computer Networking III 3 credits

A capstone course which augments networking, programming and database development techniques with security practices and technologies to protect the LAN and WAN network resources from various threats associated with the integration of the Internet. Not available for supplemental. Instruction (1.0), Lab (2.0). Equivalent to CIT-259. Requisite courses: Take CIT-1157, CIT-1158, CIT-1163 CIT-2255 (Required, Previous). Take CIT-2259L (Required, Concurrent).

CIT-2260 Algorithms and Problem Solving • 3 credits

An intensive orientation to various computer science algorithms. Emphasis is on solution efficiency. Students are expected to be literate and operational in a computer language. Lectures will be language neutral. Labs will be problem-solving exercises. Not available for supplemental. Instruction (3.0). Equivalent to CIT-260. Requisite courses: Take CIT-1156 (Required, Previous).

Course Descriptions CIT 2262 - CIV 2256

CIT-2262 Operating Systems Theory 1.5 credits

An introduction to operating system functions, including hardware interfacing, process creditisation and scheduling, deadlocks, memory management and system security. Not available for supplemental. Instruction (2.0).

CIT-2263 Introduction to Linux 1.5 credits

An introduction to the Linux environment utilizing the command line as well as the graphical interface. Includes file system navigation, file commands, system administration, job control and a variety of the utilities that are available. Not available for supplemental. Instruction (2.0).

CIT-2265 Web Programming • 3 credits

A skills based approach to web server management, server side languages and software environments available for advanced database enabled web-based solutions. Not available for supplemental. Instruction (4.0). Equivalent to CIT-265. Requisite courses: Take CIT-1156, CIT-1157, CIT-1158, CIT-1163 (Required, Previous).

CIT-2268 User-Centred Interface Design 3 credits

A skills-based approach to creditisation of user-centred interfaces for businesses and other organizations. Includes design principles, usability goals and measurement, consideration of demographics, addressing user expectations, composition and layout, form versus function, navigation, extensibility, and common platforms for deployment. Interfaces may be applied to mapping, databases, social networking, or mobile use. Not available for supplemental. Instruction (3.0). Equivalent to CIT-268. Requisite courses: Take CIT-1154, CIT-1157 (Required, Previous).

CIT-2269 Mobile App Development 3 credits

A skills-based approach to the technologies utilized by mobile devices. Includes development platforms and native application development with integration of mobile device features. Instruction (3.0). Requisite courses: Take CIT-1156, CIT-1163 (Required, Previous).

CIT-2270 IT Integration Seminar 1.5 credits

A preparation for the IT field work experience which integrates issues in information technology workplaces. Includes resume preparation, job search strategies, IT workplace professionalism, and legal and ethical issues in information technology. Not available for supplemental. Not eligible for Prior Learning Assessment. Instruction (2.0). Equivalent to CIT-270. Requisite courses: Take CIT-1152, CIT-1156, CIT-1157, CIT-1158, CIT-1163, and ENG-1168. (Required, Previous).

CIT-2271 IT Field Work • 3 credits

A field work experience in an approved information technology corporate setting which provides in-depth professional exposure. Requires approximately 200 hours of practicum work. Not available for supplemental. Not eligible for Prior Learning Assessment. Work Experience (). Equivalent to CIT-271. Requisite courses: Take CIT-1152, CIT-1156, CIT-1157, CIT-1158, CIT-1163, and ENG-1168 (Required, Previous).

CIT-2275 Systems Analysis & Design I 3 credits

A systems development approach to the use of structured analysis methods within the framework of the established life cycle of a computer system. Includes initiation, preliminary investigation, analysis of systems requirements, fact-finding, data-flow concepts and diagrams, cost/benefit analysis, design of input/output and controls, on-line system design considerations, system testing and implementation, hardware and software selection. Not available for supplemental. Instruction (5.0). Equivalent to CIT-150, CIT-275. Requisite courses: Take CIT-1156, CIT-1158, CIT-1163, and ENG-1168 (Required, Previous).

CIT-2276 Systems Analysis & Design II 3 credits

Building on previously developed skills, students will work in a functional team environment using the systems development life cycle to analyze, design and implement a live system. Human factors and ethical issues will be stressed. Not available for supplemental. Instruction (5.0). Equivalent to CIT-250, CIT-276. Requisite courses: Take CIT-2275 (Required, Previous).

(CIV) CIVIL ENGINEERING TECHNOLOGY

CIV-2237 Work Experience • 3 credits

In this course, students are placed in a position equivalent to an "Engineering Technologist in Training" setting on a day-to-day basis. Students are required to participate as part of the engineering project team and complete tasks as specified by their supervisor. The settings for the placement will provide more challenging work tasks with opportunities for problem-solution. Attendance is mandatory. Work Experience (). Equivalent to CIV-237.

CIV-2253 Water Resources Engineering 3 credits

This course will provide an introduction to the topics in water resources and hydrology. The topics to be covered include the hydrological cycle, precipitation measurements and analysis, groundwater concepts, statistical methods, stream flow analysis, rational method, SCS method, hydrograph theory, river and channel routing concepts, and mass curve analysis. Not available for supplemental. Instruction (4.0). Equivalent to CIV-253. Requisite courses: Take CPU-1150, SUR-1162 (Required, Previous).

CIV-2254 Irrigation Structures • 3 credits

This course will provide an introduction to the fundamentals required for the design and construction of irrigation structures. Topics covered include storage dams, spillways, energy dissipaters, outlet work, gates, diversion work, drop structures, stone structures, and flexible channel lining for erosion control. Not available for supplemental. Instruction (4.0). Equivalent to CIV-254, CIV-247. Requisite courses: Take ENF-1161 (Required, Previous). Take ENF-1150 (Required, Concurrent).

CIV-2256 Civil Software Applications 3 credits

A study of the use of industry-standard software, concepts and applications for civil engineering, including Architectural Engineering and Construction (AEC) and Geographic Information Systems (GIS) software. The major focus will be on real-world applications of industry relevant design software. Students will also build on spreadsheet and database skills to be used later in the program. Not available for supplemental. Instruction (6.0). Requisite courses: Take CAD-1160 (Required, Previous).

Course Descriptions CIV 2257 - CJP 1156

CIV-2257 Environmental Engineering 3 credits

An introduction to pollution, water and wastewater characteristics, water and wastewater treatment, waste management, managing noise pollution, and the topic of energy. Not available for supplemental. Instruction (5.0). Equivalent to CIV-257. Requisite courses: Take ENF-2250 (Required, Concurrent).

CIV-2258 Timber Design and Detailing 3 credits

This course covers the fundamentals required for designing and inspecting timber structures. Students will design a commercial building in accordance with CSA, CWC standards and the Alberta Building Codes. Not available for supplemental. Instruction (4.0). Equivalent to CIV-258, CIV-249. Requisite courses: Take ENF-1150 (Required, Previous).

CIV-2260 Highway Design • 3 credits

An expansion of the fundamental engineering principles taught in first year. Students will engage in a 360 degree process related to the planning, design, and construction practices of both urban and rural roadways in accordance to national and provincial standards. A significant portion of this course will emphasize the onsite/field application of conventional and GPS survey techniques used to reinforce theoretical concepts covered in class. Not available for supplemental. Not eligible for Prior Learning Assessment. Instruction (3.0), Lab (3.0). Equivalent to CIV-260. Requisite courses: Take ENF-1170, ENF-2250, SUR-1180 (Required, Previous). Take CIV-2260L (Required, Concurrent).

CIV-2262 Structural Design I • 6 credits

The application of the fundamentals required for designing timber and steel structural members and structures including tension members, beams, and columns. Design of connections between members will be introduced. Current codes and standards used for design are introduced and applied to theory and practical problems. Current industry standard software is introduced for timber and steel design applications. Not available for supplemental. Instruction (8.0). Requisite courses: Take ENF-1166 (Required, Previous).

CIV-2263 Steel Design and Detailing 3 credits

This course covers the fundamentals required for designing the structural members and connections for steel structures using limit states design in accordance with CSA and CISC standards. Aspects of structural analysis are introduced. Not available for supplemental. Instruction (4.0). Equivalent to CIV-263. Requisite courses: Take ENF-1150 (Required, Previous).

CIV-2266 Reinforced Concrete Design • 3 credits

This course covers the fundamentals required for designing reinforced concrete structural members and structures using limit states design in accordance with CSA Standards. Not available for supplemental. Instruction (4.0). Equivalent to CIV-2275, CIV-266. Requisite courses: Take ENF-1150 (Required, Previous).

CIV-2271 Water Resource Design 3 credits

An exploration on the use and management of water resources including an introduction to the topics in water resources, hydrology and irrigation engineering. The topics to be covered include the hydrological cycle, precipitation, groundwater, stream flow, rational method, SCS method, hydrographs, river and channel routing, mass curve, storage dams, spillways, energy dissipaters, outlet work, gates, diversion work, drop structures, stone structures, and flexible channel lining for erosion control. Not available for supplemental. Instruction (6.0). Requisite courses: Take ENF-2250 (Required, Previous).

CIV-2274 Infrastructure Design 3 credits

A capstone course covering applied technology fundamentals required for the design, construction, supervision and inspection of municipal servicing such as site and lot grading, storm and sanitary sewers, water distribution and residential surface improvements. Many aspects of this course will integrate computer technology with design functions. Not available for supplemental. Not eligible for Prior Learning Assessment. Instruction (4.0). Equivalent to CIV-274. Requisite courses: Take CIV-2256 (Required, Previous).

CIV-2275 Structural Design II • 3 credits

The application of the fundamentals required for designing reinforced concrete structural members and structures including beams, slabs, columns, and foundations. Current codes and standards used for design are introduced and applied to theory and practical problems. Current industry standard software is introduced for reinforced concrete design applications. Not available for supplemental. Instruction (5.0). Equivalent to CIV-2266, CIV-266. Requisite courses: Take CON-1165, ENF-1166 (Required, Previous).

CIV-2298 Work Experience • 1.5 credits

An 80-hour optional field work experience placement providing an opportunity for involvement in engineering disciplines related to Civil Engineering Technology. An application of program skills and knowledge through exposure to field-specific activities performed by engineering technologists on a day-to-day basis. Individuals are required to participate as part of an engineering team to complete work assignments as specified by the engineering supervisor or their appointee. Not available for supplemental. Not eligible for Prior Learning Assessment. Work Experience ().

(CJP) CRIMINAL JUSTICE

CJP-1101 Criminal Justice Seminar I 1.5 credits

This course is designed to meet the individual and group needs of students in the Criminal Justice program. Content relates to adjustment to college, personal growth, problem-solving, and self-esteem. It includes preparation for summer and/or permanent employment, and the personal and educational steps needed to acquire these goals. Not available for supplemental. Not eligible for Prior Learning Assessment. Instruction (1.0). Equivalent to CJP-101.

CJP-1156 Law Enforcement Firearms 3 credits

This course emphasizes firearm handling and usage by law enforcement personnel. Topics addressed include safety, maintenance, lawful use of force and the fundamentals of shooting. Policy and procedure with respect to dispatching wildlife will be covered. Learners will participate in field training sessions in order to demonstrate hands-on proficiency relating to the classroom theory. Instruction (3.0). Equivalent to CJP-156, CJP-154.

Course Descriptions CJP 1157 - CJP 1186

CJP-1157 Preliminary Response 3 credits

An introduction to the investigative nature of the criminal justice field. Topics include the roles and responsibilities as a first responder on a criminal or non-criminal scene, documenting and reporting the scene and appropriate means to preserve, collect and package various types of evidence will be examined. Not available for supplemental. Instruction (3.0). Equivalent to CJP-157, CJP-170.

CJP-1159 Ethics and Critical Thought 3 credits

An introduction to foundational knowledge and skill in the area of ethics and critical thought relating to criminal justice. Topics will include personal and organizational ethics, values, decision making and emotional intelligence. An emphasis on ethical dilemmas encountered in public safety. Not available for supplemental. Instruction (3.0).

CJP-1160 Intro to the Criminal Justice System • 3 credits

An introduction into the study of Canada's criminal justice system which consists of three major agencies: the police, the courts, and the correctional system. The structure of policing, the courts, and the correctional system are examined together with the development, role and functions of each agency. Not available for supplemental. Instruction (3.0). Equivalent to CJP-160.

CJP-1161 Ethics & Interpersonal Skills 3 credits

This course provides foundational knowledge and skill in the area of ethics and skills relating to criminal justice professions. Topics emphasized will include self-awareness, professionalism and ethics, attitudes and their dynamics, and emotional and stress management. In addition, verbal and non-verbal communication will be a key component of this course. Instruction (3.0). Equivalent to CJP-161.

CJP-1163 Human Relations for Commercial Vehicle Enforcement 3 credits

In this course, students will examine the various dynamics of human behaviour that specifically relate to the duties of Commercial Vehicle Enforcement

Officers. Students will learn about and practice various theories and skills about professionalism, ethics, dress and deportment, and communication principles. Instruction (3.0). Equivalent to CJP-163.

CJP-1171 Reasonable Officer Response 6 credits

This course prepares learners to correctly apply effective methods for the containment of individuals and scenes when the potential for threat or harm is present. Course topics include tactical communication, search and detainment procedures and the use of agency issue officer safety equipment. Not available for supplemental. Not eligible for Prior Learning Assessment. Instruction (5.0). Equivalent to CJP-171, CJP-271. Requisite courses: Take CJP-1171L (Required, Concurrent).

CJP-1173 Investigative Techniques I 3 credits

This is an introductory level police investigative techniques course provided to front-line police officers, which focuses on the day-to-day practical applications of the Criminal Code and various other statutes, including the Traffic Safety Act. Police officers learn and apply the fundamental skills associated with laser and radar principles, Level 1 accident investigation, impaired driving investigation, evidence and court preparation and includes providing evidence in a mock trial. Police officers also learn how to properly conduct interviews, interrogations and take cautioned statements. Emphasis is placed on learning the techniques and strategies associated with the hard skills of the regular and day-to-day investigational techniques. Instruction (3.0). Equivalent to CJP-173, CJP-355.

CJP-1178 Individuals With Disabilities 3 credits

This course presents foundational information for justice related applications for a wide range of conditions and disabilities. Learners will propose best practices for interacting with the individual and working cooperatively with other community support agencies. A number of cognitive disabilities (including FASD), mental health conditions, addictions and medical conditions that may affect a person's behaviour will be discussed. Instruction (3.0). Equivalent to CJP-178.

CJP-1183 Diversity Issues in CJ 3 credits

This course examines multiculturalism and its relationship to the criminal justice system in Canada. Among the issues discussed are the recognition, acceptance, and affirmation of ethnic, racial and religious diversity within the framework of Canada's policy of multiculturalism. Particular emphasis is placed on Aboriginal history and cultural traditions. Special attention is focused on the application of these issues to policing, corrections, and other aspects of the criminal justice system. Learners will have the opportunity to develop the sensitivities and skills which will assist them in understanding and working with different cultures, and to be responsive to the needs and expectations of culturally diverse communities. Instruction (3.0). Equivalent to CJP-183.

CJP-1185 Diverse Populations 3 credits

Application of strategies to the challenges presented by diversity in the communities served by the public safety industry. Empathy and positive relationships with diverse members of the community that is being policed are emphasized. Focus on recognizing and responding in a positive manner to symptoms of mental illness and physical disability. Not available for supplemental. Instruction (3.0).

CJP-1186 Investigative Techniques II 3 credits

This is an intermediate level police investigative techniques course provided to front-line police officers that focuses on the day-to-day practical applications of common investigative practices. Police officers learn and apply the fundamental skills associated with conflict mediation, alternate dispute resolution and restorative justice. In addition to miscarriages of justice, persons at risk, domestic violence and sexual assault, police officers are also instructed in matters of crime scene assessment, forensic evidence, drug investigation, methamphetamine labs, biohazardous and explosive materials, organized crime, parole and probation and the Serious Habitual Offender Comprehensive Action Plan. Instruction (3.0). Equivalent to CJP-186.

Course Descriptions CJP 1188 - CJP 2292

CJP-1188 Investigative Writing 3 credits

A practice of technical writing: clear, concise, and chronological writing for the public safety industry. Specific techniques for writing research reports, taking accurate notes, and writing investigative reports. An emphasis on APA conventions, grammar conventions, word choice and punctuation. Not available for supplemental. Instruction (3.0). Requisite courses: Take ENG-1175 (Required, Previous).

CJP-2252 Criminal Justice Practicum 3 credits

Provides students an opportunity to experience daily operations of a specific police department or public safety agency and to assist them in making an educated career choice. Development of skills, knowledge and attitudes necessary to become successful in a chosen field. Although every effort will be made to facilitate the student's schedule, each applicant for the practicum must be aware of the possibility of having to work a variety of shifts, including weekends, evenings and midnights. An application process and security check will be required. Not available for supplemental. Work Experience (). Equivalent to CJP-252.

CJP-2255 Notebooks and Reports 3 credits

This course presents the writing and reporting skills especially unique to the criminal justice system. Emphasis will be placed on accuracy in compiling notes, reports and statements and the completion of police documents through situational assignments. Instruction (3.0). Equivalent to CJP-255, CJP-165.

CJP-2267 Natural Resource Legislation 3 credits

This course covers the study of statutes, regulations and relevant case law pertaining to fisheries, parks, wildlife, and the environment, including the historical and constitutional aspects of this legislation. Overview of native hunting and fishing rights are part of the course. Instruction (5.0). Equivalent to CJP-267. Requisite courses: Take LAW-1161 (Required, Previous).

CJP-2269 Patrol Procedures • 3 credits

A skills-based approach necessary for students to conduct effective and efficient enforcement patrols. Areas of study include responsibilities and techniques, dealing with complaints, planning, conducting and evaluating patrols, compliance checks, searches, profiling resource

users, basic maintenance, use and care of specialized enforcement tools and equipment, communication methods, and organized resource crime. Not available for supplemental. Instruction (3.0), Lab (2.0). Equivalent to CJP-3369, CJP-369. Requisite courses: Take LAW-1161 (Required, Previous). Take CJP-2269L (Required, Concurrent).

CJP-2278 Criminology • 3 credits

An introduction to the major theoretical concepts, both historical and modern, which provide explanations of crime, criminals, and criminality. The relationships with psychology and sociology, and between theory and practice, are included. Measurements of crime, social correlates and scientific foundations for a modern criminal policy are discussed. Not available for supplemental. Instruction (3.0). Equivalent to CJP-278.

CJP-2280 Commercial Vehicle Enforcement • 3 credits

An exploration of the roles and duties of a Commercial Vehicle Enforcement (CVE) officer and the relationship of CVE to the Public Safety community. Key legislation, vehicle safety inspection, driver and vehicle licensing requirements, dangerous goods, weights and dimensions will be considered. Instruction (3.0). Equivalent to CJP-280.

CJP-2281 Conflict Management 3 credits

An introduction to the theory and dynamics of conflict, self-management and the preparation to apply related strategies and techniques to personal and professional practice. The practice of managing conflict with self, client and peers through case studies and scenarios. Not available for supplemental. Instruction (3.0). Equivalent to CJP-281, CJP-191, CJP-291.

CJP-2283 Criminal Investigative Techniques • 3 credits

This course introduces various investigative techniques available to law enforcement. It focuses on, but is not limited to, criminal investigative analysis, crime analysis, and statement analysis. The development of theories using a problem-solving model is a major component of this course. While students will apply some of these techniques in course activities, their awareness of subject matter experts in the various fields who are available to assist them will be increased. Not available for supplemental. Instruction (3.0). Equivalent to CJP-283, CJP-257.

CJP-2284 Criminal Investigative Theory 3 credits

This course will give the learner a contemporary look at the criminal investigation process from a theoretical perspective. The challenges and unique aspects of key criminal offences will be covered. The primary focus will be on, but not limited to, auto theft, arson, break and enter, assault, organized crime, gang and other dangerous groups, terrorism, sexual offences, crimes against children, and death investigations. Not available for supplemental. Instruction (3.0). Equivalent to CJP-284, CJP-256.

CJP-2287 Crisis Intervention • 3 credits

An application of the theoretical concepts and skills acquired in previous courses. Focuses on the mechanics involved in a crisis situation. Skills and techniques for safe and effective intervention and mediation using exercises, simulation and reflections are emphasized. Not available for supplemental. Instruction (3.0). Equivalent to CJP-287.

CJP-2288 Investigative Techniques 3 credits

An introduction to various investigative techniques available to law enforcement. Focus of the course is on investigation, documentation and preservation skills with consideration for effective writing, community safety and other relevant issues in investigations. Proper search and seizure techniques will also be addressed. Not available for supplemental. Instruction (3.0).

CJP-2292 Police Organizations 3 credits

This course will examine the roles, functions, and implementation of change that ensures an efficient and effective police service from the perspective of administration. This will involve the organizational structure, roles of police, police culture, leadership and the Police Act in relation to the operation of a police service. Instruction (3.0). Equivalent to CJP-292, CJP-268.

Course Descriptions CJP 2293 - CMM 2295

CJP-2293 Organizational Awareness 3 credits

An investigation of police culture and subculture, competencies required for employment and positive relationships between police and the community. Topics include police competencies, professional portfolios, and relationships within the workplace. Gender and human rights issues in the workplace are explored in relation to these topics. Not available for supplemental. Instruction (3.0).

CJP-2294 Specialized Policing 3 credits

Addresses current trends and challenges in investigation of specific crimes. Special issues in crime investigation units may be discussed; major crimes, economic crime, technology crime, drugs and undercover, tactical team and intelligence. Focus will be on current tools of investigation within specialized crime investigation units and how they are shaping trends in investigation. Not available for supplemental. Instruction (3.0).

CJP-2295 Traffic • 3 credits

An application of the Traffic Safety Act through related activities. Topics include collision response, traffic control and direction, radar and laser use and violations. Problem-solving models are implemented throughout the course. Not available for supplemental. Instruction (3.0).

CJP-2296 Career Preparation for Public Safety • 3 credits

Prepare students for public safety organizations' application process. Employment standards are reviewed. Employment exams and documentation will be completed. Interviews and networking with agencies will broaden knowledge of available careers and competencies. Not available for supplemental. Not eligible for Prior Learning Assessment. Instruction (3.0).

(CMM) MULTIMEDIA

CMM-1153 Digital Audio • 3 credits

An introduction to recording, editing, and mixing digital audio. Focus will be on applying the digital audio production process, including hardware and software applications, to produce and enhance creative projects. Instruction (3.0). Equivalent to CMM-153, CMM-155.

CMM-1156 Digital Video • 3 credits

An introductory course that explores ways to create effective videos through the use of industry standard videography, editing and compositing techniques. Care and use of video equipment and related software will also be explored. Emphasis is placed on developing strong storytelling skills to produce engaging video content to be shared with online audiences. Instruction (4.0). Equivalent to CMM-156.

CMM-1163 Scripting for Multimedia & Web • 3 credits

An introduction to developing web pages using the coding languages of the web. Focus is on designing and delivering interactive content using HTML, CSS and Javascript, while developing strategies for troubleshooting coding bugs. Instruction (4.0). Equivalent to CMM-163.

CMM-1165 Coding With Web Standards 3 credits

An intermediate hands-on approach to the production of interactive content that utilizes web standard coding languages, libraries and frameworks. Focus is on exploration of techniques that embed and control rich-media elements. Instruction (5.0). Equivalent to CMM-165. Requisite courses: Take CMM-1163 (Required, Previous).

CMM-1185 The Principles of Animation 3 credits

A hands-on application of the principles of animation will be used to create various animations. Focus will be on understanding and applying the animation development process, including sketching and storyboard design. Instruction (4.0). Equivalent to CMM-185, CMM-275.

CMM-2284 Professional Portfolio 3 credits

The application of best practices to create professional self-promotional material for print, online and social media. Aptitude tests will be used to focus intent and career goals. Emphasis will be placed on showcasing work with the goal of employment in the new media industry. Instruction (6.0). Requisite courses: Take CMM-2288, RSR-2270 (Required, Previous).

CMM-2285 3D Modeling & Animation with Maya • 3 credits

An intermediate hands-on approach to 3D design, using a variety of modelling and animation techniques. Emphasis will be on applying 3D rendering concepts to create realistic models and animations. Instruction (5.0). Equivalent to CMM-285. Requisite courses: Take CMM-1185 (Required, Previous).

CMM-2288 Programming Rich-Media Applications • 3 credits

A skill-based approach to development of highly interactive web content using advanced web coding libraries, frameworks, user interfaces and techniques. Focus will be on creating content for a wide variety of devices. Instruction (5.0). Equivalent to CMM-288, CMM-277. Requisite courses: Take CMM-1165 (Required, Previous).

CMM-2291 Professional Foundations 3 credits

A study of the interrelated professional activities, trends, ethics and issues involved in the multimedia production industry. Emphasis is on creation of strong networks and understanding within three areas of industry: e-learning; video and motion graphics; web and interactive programming. Instruction (6.0). Equivalent to CMM-291.

CMM-2292 Proseminar • 3 credits

A collaborative class that allows students to research and present on various technical topics, as well as planning and facilitating an online industry event. Emphasis will be on improving research, presentation and collaboration skills. Instruction (6.0). Equivalent to CMM-292. Requisite courses: Take CMM-2291 (Required, Previous).

CMM-2293 Capstone Project • 3 credits

A capstone course that exposes students to planning, management, execution and presentation of a large-scale project. Emphasis is on a significant achievement in independent learning in a self-chosen area of applied concentration. Instruction (6.0). Equivalent to CMM-293. Requisite courses: Take CMM-2291, RSR-2270 (Required, Previous).

CMM-2295 Telling Stories II • 3 credits

This course will give you the requisite skills to share your story with the world. This course will allow students to bring their story ideas to fruition by introducing them to the production and delivery of video.

Course Descriptions COL 1103 - COM 1164

Using the narrative script developed in ENG-2290: Telling Stories I, students will develop skills in visual composition, lighting, audio, editing, titling and compression schemes for various delivery methods. A four-minute short film will serve as the final project and will be made accessible through a variety of formats: video sharing websites, CD, and cell phones. Instruction (3.0). Equivalent to CMM-295. Requisite courses: Take ENG-2290 (Required, Previous).

(COL) COLLEGE PREPARATION

COL-1103 Intro to Learning Strategies 1.5 credits

This course is an introduction to specific learning strategies students require to succeed in post-secondary programs. Students will explore a core set of chiefly academic learning strategies such as note-taking, memory, study reading, test-taking and time management. Instruction (1.0). Equivalent to COL-103.

COL-1130 Achieving College Success 3 credits

This course develops the skills and attitudes necessary for success in post-secondary programs. Students learn and practice knowledge gained from research into goal setting, motivation, time management, memory and concentration, effective study reading and test-taking. Not available for supplemental. Instruction (3.0). Equivalent to COL-130, COL-105.

COL-1131 Leadership for FNMI Students 3 credits

This course provides FNMI students with mentorship/leadership skills that will allow them to serve in leadership roles in the College and community. The course promotes meaningful involvement for students through fostering student connections, creating a greater capacity for student leadership, and developing effective communication skills. Students will participate in community-based activities and events, evaluate their roles, responsibilities and effectiveness as interconnected members of local, national and global communities, and appreciate the value of volunteering in the community as a complement to a successful career. Not available for supplemental. Instruction (3.0). Equivalent to COL-131, COL-106.

(COM) COMMUNICATION

COM-1137 Communication Skills 1.5 credits

This is a 16-hour course for students enrolled in the Culinary Careers Diploma. The course focuses on communication skills necessary for attaining, maintaining and advancing in a career in the food service and hospitality industry. Not available for supplemental. Instruction (1.0). Equivalent to COM-137.

COM-1152 Transcultural Communication 3 credits

This course is designed to assist international students to function confidently and comfortably across cultures and includes a focus on effective communication skills and on culturally appropriate attitudes. Students will also be expected to gain awareness of their own cultural identity and communication style that will serve as a foundation for understanding transcultural communication. Not available for supplemental. Instruction (3.0). Equivalent to COM-152.

COM-1155 Customer and Team Relations • 1.5 credits

Effective relations with both customers and team members are essential for organizations to be successful. This course equips students with customer service skills that will result in a Service Best certificate. Team relation exercises will help equip students to function in work settings. Instruction (3.0). Equivalent to COM-155.

COM-1157 Professional Communication 3 credits

This course involves the basic skills and knowledge required to facilitate the successful completion of the application process of public safety organizations (PSO) such as police agencies, traffic enforcement agencies, and other law enforcement agencies. The emphasis is on preparing for a range of employment interviews, proper completion of forms required for employment and career planning. Instruction (3.0). Equivalent to COM-157, COM-153.

COM-1158 Leadership Communication Skills • 1.5 credits

This course will provide learners an opportunity to explore their personal communication style and to develop the interpersonal skills needed for effective relationships in the workplace.

The importance of understanding group dynamics, leadership styles, conflict resolution strategies, and team development models will be reinforced using business scenarios. Learners will also gain knowledge on how to facilitate a successful meeting, as well as prepare for behaviour descriptive interview questions. Each learner will be exposed to public speaking by doing an individual presentation to their peers. Instruction (3.0). Equivalent to COM-158.

COM-1159 Applied Interpersonal Communication • 3 credits

Healthy communication is an essential skill for justice professionals. This course requires learners to focus on self-awareness and self-esteem before moving into the interpersonal area of verbal and non-verbal communication. These concepts are the foundation of practical applications of the interviewing techniques, skills, and strategies required to gain information from offenders and effect personal change. A study of the ethical context for this work is key. Instruction (4.0). Equivalent to COM-159.

COM-1162 Interpersonal Relationships and Communications • 3 credits

This course is designed to improve students' self-concepts and provide them with the skills to successfully relate with others on a personal, social and business basis. Designed for personal growth and attitude change, this course provides opportunities to develop communication skills, recognition and understanding of self concept, skills in enhancing interpersonal relationships, procedures for goal-setting and techniques for decision-making. Not available for supplemental. Instruction (3.0). Equivalent to COM-162.

COM-1164 Technical Communications 3 credits

This course prepares students to function effectively as technologists by training them to apply databases and spreadsheets to engineering applications and problems, produce clear, effective correspondence, employment applications, reports, and deliver clear, effective oral presentations. Not available for supplemental. Instruction (6.0).

Course Descriptions COM 1165 - CON 2256

COM-1165 Public Safety Communication & Interpersonal Relationships • 3 credits

The development of interpersonal skills for professional and personal communication. An emphasis on communicating orally, teamwork and presenting effectively. Relevant topics from other courses in the program are used as a basis for further research and presentation. A focus on recognizing personal strengths and the strengths of others to collaborate on a team. Not available for supplemental. Instruction (3.0).

COM-1170 Helping Relationships 3 credits

This course covers techniques of interpersonal communication through introduction to the helping relationships process. In the process, the client is an interactive participant; the direction of the interaction is provided by the client. Topics include problem-solving, decision-making, conflict resolution, characteristics of a helper, and the helping process. Hands-on helping skills are developed in order to communicate more effectively with clients. Not available for supplemental. Instruction (3.0). Equivalent to COM-170. Requisite courses: Take COM-1162 or NSG-1173 (Required, Previous).

COM-1177 Applied English & Communication • 3 credits

This course will focus on technical writing: clear, concise, and chronological writing for the public safety industry. Assignments will be integrated with other criminal justice classes' assignments. Writing for employment (portfolio, resume, cover letter, and application form) will be refined. Instruction (2.0). Equivalent to COM-177, COM-175. Requisite courses: Take ENG-1175 (Required, Previous).

COM-2263 Interpersonal Skills 3 credits

This course covers the interpersonal skills needed to handle sensitive situations encountered when dealing with the public in the renewable resources conservation field. Emphasis is placed on verbal and technical communications. Students further enhance their verbal and written communication skills through various exercises. Instruction (3.0). Equivalent to COM-263.

COM-2275 Interviewing Methods 3 credits

An application of basic interviewing methods with a focus on the structure and function of various types of interviews. There is an emphasis on interpersonal relationships in obtaining statements from complainants, victims, and witnesses. Interviewing persons with special needs and persons from diverse cultures. Not available for supplemental. Instruction (3.0). Equivalent to COM-275.

COM-4460 Reports and Investigations 3 credits

The ability to communicate in writing is an essential skill for the justice professional. Students will demonstrate competency in the completion of a variety of reports relevant to their placement agency, which may include pre-sentence and parole investigations, community assessment, institutional reports, social histories, assessments, incident reports and internal investigations. Technical competency is an expectation and content of reports must be appropriate. Students must demonstrate an understanding of the purpose of the reports, their routing and possible outcomes. This is a Directed Field Study (DFS) course. Not available for supplemental. Instruction (3.0). Equivalent to COM-460.

(CON) CONSTRUCTION

CON-1162 Engineering Management I 3 credits

The application of project management principles and techniques to the on-site control of project works. An introduction to the Canadian legal system as well as health and safety legislation. The study of building contracts focusing on the duties, rights and obligations of contracting parties, the general conditions of the contract, and the tendering process. Not available for supplemental. Instruction (6.0).

CON-1165 Construction Materials 3 credits

An introduction to the fundamentals of concrete and steel as they relate to the civil engineering industry. Students will be provided with an understanding of the structure, behavior, properties, processing and application of these materials. The main topics of discussion will include CSA and ASTM Standards for quality control of ingredients, manufacturing processes and final product requirements for both

materials. Laboratory work will be used to reinforce and supplement theoretical concepts. Not available for supplemental. Not eligible for Prior Learning Assessment. Instruction (3.0), Lab (2.0). Requisite courses: Take CON-1165L (Required, Concurrent).

CON-1180 Construction Engineering I 3 credits

A practical overview of construction problems, building techniques, methods and materials of construction. Application of the Alberta Building Code and reading blueprints will be closely aligned with the construction process overview. Methods, materials and building techniques will be illustrated through the introduction of current CAD design software. Not available for supplemental. Instruction (6.0). Requisite courses: Take CAD-1160, COM-1164 (Required, Previous).

CON-2252 Heavy Construction 3 credits

This course is a practical overview of construction problems and building techniques. The construction process will be described from start to finish for a commercial/industrial building project. Not available for supplemental. Instruction (4.0). Equivalent to CON-252, CON-225, CON-221. Requisite courses: Take ENF-1135 (Required, Previous). Take ENF-1150 (Required, Concurrent).

CON-2255 Construction Engineering II 3 credits

A practical overview of construction problems, building techniques, methods and materials of construction. Application of the Alberta Building Code and reading blueprints will be closely aligned with the construction process overview. Methods, materials and building techniques will be illustrated through the introduction of current CAD design software. Not available for supplemental. Instruction (5.0). Equivalent to CON-255, CON-250, CON-217, CON-224. Requisite courses: Take CON-1180 (Required, Previous).

CON-2256 Building System Services 3 credits

This course introduces the fundamental concepts of heat loss and heating, ventilation and air conditioning systems as applied to residential and light commercial buildings. A building will be modeled for heat loss and cost/benefit analyses will be conducted for optimum insulation and window design for different climates.

Course Descriptions CON 2260 - COR 2287

The concepts of passive solar gain and renewable technologies including solar photovoltaic, solar water heating, and ground-source heat pump will also be introduced. Not available for supplemental. Instruction (3.0). Equivalent to CON-256. Requisite courses: Take DRF-2268 (Required, Previous).

CON-2260 Engineering Management II 3 credits

A study of the fundamentals of business management and financial analysis in the construction industry. The first part of the course covers key project management principles including business organizations structure, strategic planning and management, total quality management processes and procedures, leadership, ethics, resolving disputes, market development strategies, human resources management, and risk management. The second part of the course covers financial analysis including break-even point, depreciation, economic order quantity, ledger, journal, balance sheet and financial statements. Not available for supplemental. Instruction (5.0). Requisite courses: Take CON-1162 (Required, Previous).

(COR) CORRECTIONS

COR-1152 Fundamentals of Corrections 3 credits

This course examines correctional systems in Canada. It covers the history of corrections, the role of corrections in contemporary society, and the interrelationships between the various components (including community corrections and correctional institutions). Correctional treatment and aftercare are reviewed. Emphasis is placed on the formal and informal relationships that exist in correctional organizations, including the roles of both staff and inmates. Instruction (2.0). Equivalent to COR-152, COR-150, CJP-150.

COR-1153 Career Development Strategies • 1.5 credits

In this course, students will assess their backgrounds and skills and prepare professional resumes and cover letters. In addition, they will be exposed to the styles of interviewing used in Justice professions, and begin the development of their Employment Portfolio. Instruction (1.0). Equivalent to COR-153.

COR-1154 Suicide Prevention 1.5 credits

This interactive course meets professional training requirements by helping participants recognize risk and learn how to intervene to prevent the immediate risk of suicide. Learners will be sensitized to their own attitudes towards suicide and identify the intervention needs of a person at risk. They will develop their skills through observation and supervised simulation experiences in large and small groups. Instruction (1.0). Equivalent to COR-154.

COR-1180 Youth in the Justice System 3 credits

This course explores the complex relationship between family and social conditions and antisocial behaviour in young people. Included are: developmental theories and the role of modeling; risk and protective factors for criminal behaviour; an analysis of specific behaviours including gang membership, substance abuse, prostitution, and violent crime; and the importance of prevention and early intervention. Statistical trends and patterns, and the role of media are discussed. The evolution of Canadian law leading up to the Youth Criminal Justice Act as a response to crime by young people is examined. Specific sections of the Youth Criminal Justice Act will be addressed. Not available for supplemental. Instruction (3.0). Equivalent to COR-180.

COR-2253 Correctional Classification 3 credits

This course addresses the central process of correctional classification, which involves assigning housing, programs and the level of supervision required by offenders. The implications of classification for case management, security and control, and the management of risk are included. Not available for supplemental. Instruction (3.0). Equivalent to COR-253, CJP-253.

COR-2262 Drugs in Corrections 3 credits

Drug recognition and the physiological effects of drugs and alcohol, identification of symptoms of intoxication and withdrawal are studied. Identification and offender management practices related to drug strategies are reviewed. Not available for supplemental. Instruction (3.0). Equivalent to COR-262, CJP-262.

COR-2277 Corrections Administration 3 credits

An analysis of public and private sector organizations with particular focus on the administration of correctional structures and agencies. Topics include defining administration, its principle functions and theoretical underpinnings. Considers the role of various levels of correctional administration in planning, decision making, change management, legislative influences and human resource management as well as how these various functions and influences contribute to effective and efficient organizational functioning. Instruction (3.0). Equivalent to COR-277, CJP-277.

COR-2279 Correctional Casework & Counselling • 3 credits

This course is an examination of the principles, ethics, and values associated with effective casework processes in corrections. Case studies are employed to give students direct and practical experience in the casework processes used in correctional organizations and agencies. An overview of counselling techniques employed within corrections and young offenders is included. Instruction (3.0). Equivalent to COR-279, CJP-279.

COR-2287 Crisis Resolution • 3 credits

Upon completing this course, learners will recognize that crises are turning points in offenders' lives which involve both threats and opportunities. Included in the course content are a brief overview of key areas of offender victimology, the non-violent de-escalation of crises, and the process of validation and importance of relationships in terms of facilitating personal change in offenders. Learners will learn how to assist offenders in the management of their behaviour and emotions and will apply the steps of resolution-based crisis intervention in real-life role-play situations. Instruction (3.0). Equivalent to COR-287.

Course Descriptions COR 2290 - COR 4472

COR-2290 Correctional Practices 3 credits

The application of specific practices of correctional professionals and accompanying reports required. A practical course dealing with the daily job functions common to both Federal and Provincial corrections. Techniques for searching facilities and inmates, application of restraints, appropriate use of force models, avoiding manipulation by offenders, and writing a variety of reports required by institutional services and community corrections. Not available for supplemental. Instruction (3.0). Equivalent to COR-290. Requisite courses: Take ENG-1175 (Required, Previous).

COR-3374 Professional Justice Worker 3 credits

The purpose of this course is to provide justice professionals with the tools to face the daily complexities of their workplace. Among the subjects addressed are adaptation to change, stress management, workload and time management, the achievement of personal balance, self-assessment and personal care, the development and maintenance of a fit and healthy lifestyle, emotional intelligence and career planning. A significant element of the course is the completion of a personal self-management plan. Instruction (3.0). Equivalent to COR-374.

COR-3385 Issues & Trends in Justice 3 credits

In this course, learners will explore current and emerging issues associated with the incarceration and treatment of offenders around the world, and the impact of these issues on staff and the management of offenders. Instruction (3.0). Equivalent to COR-385.

COR-4450 Community/Institutional Resources • 3 credits

In this course, students learn about the resources available to support offenders in the community or the institution (depending on the work setting). Students will demonstrate an awareness and understanding of the resources available for changing behaviour; promoting personal development and growth; recreation, and personal health. In terms of staff, students will demonstrate an awareness and

understanding of resources available for personal health and wellness, promotion and development, and employee assistance programs. This is a Directed Field Study (DFS) course. Not available for supplemental. Instruction (3.0). Equivalent to COR-450.

COR-4456 Workplace Technology 3 credits

This course tests students' knowledge of, and competence in, the technology associated with their field of study or employment. It may include, but is not restricted to, institutional technology (including door and key control systems, sensing devices, emergency alarms, body alarms, scanners, cameras and other security devices), tactical technology (including the use of lethal and non-lethal weapons, security hardware, and other technical aids to security), and information technology (inmate management information systems, organizational software programs, and the operation of associated hardware). This is a Directed Field Study (DFS) course. Not available for supplemental. Instruction (3.0). Equivalent to COR-456.

COR-4460 Practice of Client Supervision 3 credits

This course covers tasks and situations related to client supervision in a variety of justice and human service environments. Students learn and demonstrate competency in interviewing clients, observing and assessing their behaviour, and documenting their observation; directing and controlling clients singly and/or in groups; and correcting behaviour and carrying out discipline appropriately. This is a Directed Field Study (DFS) course. Not available for supplemental. Instruction (3.0). Equivalent to COR-460.

COR-4466 Applied Correctional Methods 3 credits

In this course, students apply and demonstrate competency in the skills necessary to be effective correctional professionals. These include an understanding of the goals and objectives of the agency and their application; competency in the essential tasks of the agency; and application of skills specific to the agency. This is a Directed Field Study (DFS) course. Not available for supplemental. Instruction (3.0). Equivalent to COR-466.

COR-4467 Management of Offender Movement • 3 credits

The movement of offenders to and from institutions for court, medical, or compassionate reasons is an integral aspect of correctional operation. Students must demonstrate an awareness of security issues relative to offender escorts, including security ratings; competence in the application of restraining devices; and sensitivity to issues relating to offenders appearing in public under escort. Demonstrated competency in the supervision of work crews and camps may also be considered. This is a Directed Field Study (DFS) course. Not available for supplemental. Instruction (3.0). Equivalent to COR-467.

COR-4470 Administrative Methods 3 credits

In this course, students acquire, demonstrate and apply knowledge relevant to the placement agency or organization including mission statement, organizational structure, administrative responsibilities of key positions, policy, procedures and directives. This is a Directed Field Study (DFS) course. Not available for supplemental. Instruction (3.0). Equivalent to COR-470.

COR-4471 Program Management 3 credits

In this course, students will be directly involved with the day-to-day management and supervision of programs in the placement agency. Review and application of policy will be essential topics of this course. This is a Directed Field Study (DFS) course. Not available for supplemental. Instruction (3.0). Equivalent to COR-471.

COR-4472 Program Development 3 credits

In this course, students will demonstrate the ability to initiate and develop a program related to the goals of the agency. Competence will be demonstrated through development of a plan, determination of resources required, organization, completion of the initial objective, and assessment of results. This is a Directed Field Study (DFS) course. Not available for supplemental. Instruction (3.0). Equivalent to COR-472.

Course Descriptions COR 4473 - CSP 1142

COR-4473 Mentorship in Human Service Organizations • 3 credits

Mentorship offers senior students the opportunity to learn and demonstrate skills necessary to develop junior personnel within the agency. Students in this course must demonstrate effective supervision and leadership skills including training and coaching of junior staff, evaluation career counselling and mentoring. This is a Directed Field Study (DFS) course. Not available for supplemental. Instruction (3.0). Equivalent to COR-473.

(CPL) CAREER PLANNING

CPL-1150 Community Service Learning 3 credits

This course will provide opportunities for students to participate in Service Learning, a program that connects the curriculum to volunteerism within the community. Students are matched with community service projects related to their classroom studies. While meeting actual community needs, students gain valuable hands-on experiences which enhance their educational goals. In addition to the academic reinforcement, Service Learning strengthens student leadership skills and offers opportunities to better understand such values as human diversity, social justice, and engaged citizenship. Instruction (3.0). Equivalent to CPL-150.

(CPU) COMPUTERS

CPU-1151 Introduction to Computers 1.5 credits

This course provides an introduction to personal computers that focuses on three primary Microsoft applications: Word, Excel, and PowerPoint. Students review the components and operation of microcomputers and gain a working knowledge of the operating system, word processing, spreadsheet, and other software applications. Instruction (3.0). Equivalent to CPU-151.

CPU-1160 Geomatics Programming I 3 credits

An introduction to programming for Geographical Information Systems with emphasis on the creation of simple and complex routines to build an understanding of the structure of Python language, build applications to automate survey data processing and graphical software packages. Not available for supplemental. Instruction (3.0). Equivalent to CPU-2255, CPU-255. Requisite courses: Take COM-1164 (Required, Previous).

CPU-1165 Designing Spreadsheet Applications • 3 credits

A skills-based approach to using spreadsheet applications to solve common business problems. Includes macros and spreadsheet integration with other software programs. Not available for supplemental. Instruction (3.0). Equivalent to CPU-165, BUS-266.

CPU-2248 Computer Applications in Civil Engineering • 3 credits

A study of the use of software currently available for civil engineering. The major focus will be applications of industry relevant design software. Students will also build on spreadsheet and database skills to be used later in the program. Presentation software and presentation techniques are also a component of the course. Not available for supplemental. Not eligible for Prior Learning Assessment. Instruction (2.0), Tutorial (1.0). Equivalent to CPU-248, CIV-248. Requisite courses: Take CPU-1150, CAD-1155 (Required, Previous). Take CPU-2248T (Required, Concurrent).

CPU-2251 Computer Applications 1.5 credits

This course covers projects requiring the use of spreadsheet, word processing, database and/or presentation software. It bridges the gap between merely knowing the various tasks a certain type of software can perform and actually using the program to edit a newsletter, design a three-fold brochure, prepare and present reports, or perform some basic data analysis. Students are introduced to integrated applications. Not available for supplemental. Instruction (3.0). Equivalent to CPU-251. Requisite courses: Take CPU-1151 (Required, Previous).

CPU-2253 Technology in Education 3 credits

This course provides learners with an exposure to and analysis of educational software. Assistive technology in educational settings, including K - Grade 12 information technology curriculum are covered. Not available for supplemental. Instruction (3.0). Equivalent to CPU-253.

CPU-2254 Basic Desktop Publishing 3 credits

A skills-based approach to the creation of effective business publications, using industry standard software to effectively communicate intended messages. Emphasis is the evaluation and integration of creative design elements. Not available for supplemental. Instruction (3.0). Equivalent to CPU-254.

CPU-2275 Geomatics Programming II 3 credits

An examination of advanced concepts in programming with Python for Geographical Information Systems. Emphasis will be placed on complex routines and data structures for automating data transfer from raw survey data to graphical software packages and for accessing ArcGIS functionalities utilizing Python libraries. Not available for supplemental. Instruction (4.0). Equivalent to CPU-275. Requisite courses: Take CPU-1160 (Required, Previous).

(CSP) CENTRAL STERILE PROCESSING

CSP-1140 MDR Practicum • 6 credits

This eight-week, full-time practicum provides the opportunity to apply the knowledge and skills in the Central Sterile Processing Department, Surgical Suite and Day Procedures. This preceptored practicum is offered at Chinook Regional Hospital or an alternate, program approved medical facility. Emphasis is placed on developing skills to safely perform decontamination, assembly, function testing, care, handling and sterilization of surgical instruments and equipment. Not available for supplemental. Grading: CR/NCR. Work Experience (). Equivalent to CSP-140, CSP-155. Requisite courses: Take BIO-1162, COM-1162, CPU-1151, CSP-1150, CSP-1160, ENG-1154 (Required, Previous).

CSP-1142 MDR Practicum • 6 credits

This ten-week, full-time practicum (400 hours) provides the opportunity to apply the knowledge and skills in the Central Sterile Processing Department, Surgical Suite and Day Procedures. This preceptored practicum is offered at Chinook Regional Hospital or an alternate, program approved medical facility. Emphasis is placed on developing skills to safely perform decontamination, assembly, function testing, care, handling and sterilization of surgical instruments and equipment. Not available for supplemental. Not eligible for Prior Learning Assessment. Graded: CR/NCR. Work Experience (). Requisite courses: Take BIO-1162, COM-1162, CPU-1151, CSP-1150, CSP-1160, ENG-1154 (Required, Previous).

Course Descriptions CSP 1150 - CUL 2218

CSP-1150 Medical Terminology/Anatomy & Physiology • 3 credits

This course covers the study of prefixes, suffixes and word roots from which most medical terms are derived, taught in combination with anatomy and physiology, to understand the structure and function of organs and systems in the human body. This course is not subject to supplemental. Instruction (4.0). Equivalent to CSP-150.

CSP-1160 Surgical Instrument Processing • 6 credits

This course equips students with a thorough knowledge of the complexities, precautions, and techniques associated with microbiology, infection control, disinfection, and sterilization technology. Students will develop the skills necessary to perform the technical functions related to the care, handling, disassembly, and assembly of medical equipment and surgical instruments. This course is not subject to supplemental. Instruction (6.0). Equivalent to CSP-160.

(CUL) CULINARY CAREERS

CUL-1115 Management Controls 3 credits

A study of control for budgeting in the food and beverage industry. Emphasis is placed on kitchen math, purchasing and receiving control, and interpreting financial reports. Not available for supplemental. Instruction (3.0).

CUL-1116 Breakfast Soups and Pantry 3 credits

A skills-based approach to preparing and serving breakfast dishes, soups, salads and dairy. Emphasis is placed on organizing activities to meet service schedules. Not available for supplemental. Instruction (3.0).

CUL-1117 Vegetables and Farinaceous 3 credits

An introduction to the concepts of purchasing, storing and preparing a variety of fruits, vegetables, starches, pasta and pasta sauces. Not available for supplemental. Instruction (3.0).

CUL-1118 Production Skills • 6 credits

A lab-based review of the required disciplines in the hospitality industry. Focus will be on observed attendance, daily practical performance and a comprehensive practical exam. Not available for supplemental. Instruction (6.0).

CUL-1120 Meat Cutting and Meat Cookery • 6 credits

A skills-based approach to purchasing, portioning, seasoning, cooking, holding and serving a variety of meat, poultry, fish, seafood and related proteins. Not available for supplemental. Instruction (6.0).

CUL-1121 Bakeshop • 6 credits

An introduction into bakeshop practices. Emphasis is on accurate weights and measures as they pertain to bakeshop ingredients. A skills-based approach to yeast products, cookies, pastries, pies, tortes, cakes and desserts. Not available for supplemental. Instruction (6.0).

CUL-1122 Stocks and Sauces • 3 credits

A study of modern techniques for producing basic stocks and their applications in recipes for sauces and glazes. Not available for supplemental. Instruction (3.0).

CUL-1127 Culinary Careers Introduction 3 credits

An introduction to the fundamental skills required of a cook. Focus is on kitchen terminology, food safety, tools and equipment and safe working practices. Not available for supplemental. Instruction (3.0). Equivalent to COC-1127, COC-127.

CUL-2201 Food Services Management and Saucier • 6 credits

Skills-based approach to advanced techniques in menu planning and inventory control. Emphasis is on applying gained industry experience to advanced soups and sauces. Not available for supplemental. Instruction (6.0).

CUL-2207 Lunch Express Entremetier & Nutrition • 6 credits

The application of gained skills in advanced line cooking. Emphasis is on plate presentation of lunch items that offer the latest trends in culinary artistry that encompasses today's nutritional requirements for good health. Instruction (6.0).

CUL-2208 Buffets and Bakery 6 credits

A study of buffets in their many forms. Emphasis is on creating and executing buffets that showcase the latest trends in modern cuisine. An application of techniques for garnishing and presenting high quality and attractive sweet and savory presentations. Instruction (6.0).

CUL-2212 Evening Dining & Preparing Proteins • 6 credits

Skills-based approach to advanced evening dining menu selections including appetizers, soups, entrees and desserts. Emphasis is placed on advanced cooking and presentation techniques for proteins, vegetables, starches and desserts. Instruction (6.0).

CUL-2213 Gala Banquets and Hot Salon 3 credits

A hands-on experience related to gala banquets and modern hot food competitions. Emphasis is on creating and executing a gala banquet along with ice carvings and pre-dinner appetizers. Includes competition in a hot salon competition and follows the Alberta Skills model. Instruction (3.0).

CUL-2218 Industry Work Placement 1.5 credits

A capstone course that exposes the students to many aspects of working in a professional kitchen. Focus is on paid industry placement of 480 hours. This course is a prerequisite to starting the other courses associated with year two of the Culinary Careers diploma. This course is graded CR/NCR. Not available for supplemental. Work Experience (1). Equivalent to COC-1132, COC-132.

Course Descriptions CYC 1158 - CYC 2260

(CYC) CHILD AND YOUTH CARE

CYC-1158 Communication in CYC Practice • 3 credits

An exploration of skills required to relate effectively with team members, clients, and others and to develop the first stages of helping relationships. An application of self-awareness, personal growth and attitudinal changes in enhancing interpersonal relationships. One third of this course is delivered in an outdoor educational experience that explores activity as a means to effectively engage in therapeutic communication with clients. Not available for supplemental. Not eligible for Prior Learning Assessment. Instruction (2.0), Lab (1.0). Requisite courses: Take CYC-1158L (Required, Concurrent).

CYC-1163 Behaviour Management 3 credits

An introduction to, and application of, techniques of learning theory and behaviour modification in work with children and adolescents. An exploration of the role of behavioural programming in a variety of treatment settings. Not available for supplemental. Instruction (2.0). Equivalent to CYC-163. Requisite courses: Take CYC-1169 (Required, Previous).

CYC-1169 Observation, Reporting & Assessment • 3 credits

A foundational introduction to the importance of observing and recording behaviours and significant information in a clear, concise and comprehensive manner according to CYC professional practice. The application of such skills to measurement and assessment techniques relevant to addressing the needs of individuals is emphasized. Not available for supplemental. Instruction (3.0). Equivalent to CYC-169.

CYC-1173 Foundations & Roles of CYC 3 credits

A study of the historical and present day perspective of the social care system, its social policies and legislation including the core values and beliefs that distinguish child and youth care from other disciplines. Examines the role of the child and youth care practitioner in a variety of practice settings. Not available for supplemental. Not eligible for Prior Learning Assessment. Instruction (4.0). Equivalent to CYC-173.

CYC-1175 Therapeutic Interventions 3 credits

An introduction to child and youth management approaches that are preventative, that manage behavioral and crisis issues and are delivered from a positive frame of reference. An application of intervention strategies that effectively address a variety of treatment issues. Not available for supplemental. Not eligible for Prior Learning Assessment. Instruction (3.0). Equivalent to CYC-175. Requisite courses: Take CYC-1158, CYC-1173 (Required, Previous).

CYC-1178 CYC Clinical Practice I 3 credits

An application of establishing helping relationships and acting within the role of a professional Child and Youth Care Worker in a work based setting. Focuses on the progressive development of skills in observation, interviewing, assessment, program planning, and execution of planned activities under supervision. Understanding the role of practitioner is supported by pre- and post- seminars, weekly individual meetings and small group seminars. Not available for supplemental. Work Experience (.). Equivalent to CYC-178, CYC-176. Requisite courses: Take CYC-1158, CYC-1169, CYC-1173 (Required, Previous). Take CYC-1163, CYC-1175, CYC-1180 and CYC-1194 (Required, Concurrent).

CYC-1180 Counselling Techniques I 3 credits

An introduction to the micro-skills approach and person-centred theory, designed to develop the fundamental and basic counselling skills necessary to function successfully in the helping environment. Not available for supplemental. Not eligible for Prior Learning Assessment. Instruction (4.0). Equivalent to CYC-180. Requisite courses: Take CYC-1158 (Required, Previous). Take CYC-1178 (Required, Concurrent).

CYC-1194 Activity Leadership • 3 credits

A skills-based approach focusing on the leadership of therapeutic activities in the Child and Youth Care profession. Opportunities are provided to design, implement and evaluate effective therapeutic activities while applying developmental, ecological and strength based perspectives. Self-reflection will examine the development of personal leadership and teaching behaviours. Not available for supplemental. Not eligible for Prior Learning Assessment. Instruction (3.0). Equivalent to CYC-194.

CYC-2251 Family Support & Intervention 3 credits

An examination of the practice of family support and intervention as it pertains to child and youth care practice on both a theoretical and experiential level including family dynamics. Not available for supplemental. Not eligible for Prior Learning Assessment. Instruction (3.0). Equivalent to CYC-251. Requisite courses: Take CYC-1180, CYC-1173, HSP-1151 (Required, Previous). Take CYC-2255 (Required, Concurrent).

CYC-2253 Group Process • 3 credits

An introduction to the processes and skills necessary to become an effective group member as well as an application of the skills required to be an effective group facilitator in leading a variety of psycho-educational groups for children, youth and families. Focus is on how decision-making, communication, and problem-solving processes impact group dynamics. Not available for supplemental. Not eligible for Prior Learning Assessment. Instruction (2.0), Tutorial (1.0). Equivalent to CYC-1193, CYC-193. Requisite courses: Take CYC-1158, CYC-1169 (Required, Previous). Take CYC-2255 and CYC-2253T (Required, Concurrent).

CYC-2255 CYC Clinical Practice II 6 credits

A further application of professional practice in CYC settings utilizing strength-based and ecological perspectives to facilitate the assessment and intervention process. The role of practitioner is developed through active involvement in the practicum experience, pre- and post-seminars, weekly individual meetings and small group seminars. Not available for supplemental. Not eligible for Prior Learning Assessment. Work Experience (.). Equivalent to CYC-255, CYC-256. Requisite courses: Take CYC-1178, CYC-1180 (Required, Previous). Take CYC-2251, CYC-2280 and CYC-2253 (Required, Concurrent).

CYC-2260 Mental Health & Substance Abuse • 3 credits

An introduction to, and critical examination of, a variety of mental health and substance abuse issues affecting children, youth and families. Focus is on identification, risk and protective factors and best practices for assessment, intervention and referral processes from a CYC perspective. Not available for supplemental. Instruction (3.0).

Course Descriptions CYC 2269 - DCM 1163

CYC-2269 Case Management and Evaluation • 3 credits

A study and application of case management and evaluation procedures for the human services. Focus is on the development of short- and long-term treatment plans, intervention strategies, and specific procedures that support a holistic/ecological model of practice. Not available for supplemental. Not eligible for Prior Learning Assessment. Instruction (3.0). Equivalent to CYC-269. Requisite courses: Take CYC-2251, CYC-2255, CYC-2280 (Required, Previous). Take CYC-2285 (Required, Concurrent).

CYC-2272 Family Violence • 3 credits

A study of family violence including child physical, emotional, and sexual abuse, intimate partner abuse, and institutional abuse. Includes reporting laws, methods for detection of abuse, and therapeutic methods and techniques for working with victims. Not available for supplemental. Instruction (3.0). Equivalent to CYC-272, CYC-172.

CYC-2280 Counselling Techniques II 3 credits

A skills-based approach to interviewing and counselling interventions applicable to the Child and Youth Care profession. Areas of concentration include development of advanced listening skills, use of solution-focused therapeutic techniques from a strength-oriented perspective, and an examination of specific topics related to therapeutic interventions in human services. Not available for supplemental. Not eligible for Prior Learning Assessment. Instruction (4.0). Equivalent to CYC-280. Requisite courses: Take CYC-1180, CYC-1163, CYC-1175, CYC-1178 (Required, Previous). Take CYC-2255 (Required, Concurrent).

CYC-2285 CYC Clinical Practice III 6 credits

Capstone application focusing on the role of the CYC practitioner in the case management process, utilizing therapeutic relationships to ensure planned interventions address the ecological perspective from a strengths-based focus.

The role of practitioner is facilitated through active involvement in the practicum experience, pre- and post-seminars, weekly individual meetings and small group seminars. Not available for supplemental. Not eligible for Prior Learning Assessment. Work Experience (). Equivalent to CYC-285, CYC-271. Requisite courses: Take CYC-2251 CYC-2255 CYC-2280 (Required, Previous). Take CYC-2269 (Required, Concurrent).

(DCE) CONSERVATION ENFORCEMENT

DCE-2255 Ethics and Career Development • 3 credits

This course will examine ethical decision-making in the Natural Resources field. Many positions require that employees conduct themselves in a professional manner beyond reproach. Several positions, particularly those in resource enforcement, align with a code of ethics and standard of conduct. This course provides an overview of employment skills required by the resource industry and topics include job market research, networking, resume writing and entrepreneurship. Not available for supplemental. Instruction (3.0). Equivalent to DCE-255, CPL-155.

(DCM) DIGITAL COMMUNICATIONS AND MEDIA

DCM-1150 Research & Writing for Digital Media • 3 credits

An introduction to writing for print, broadcast and online formats. Emphasis is on information gathering and dissemination, including the importance of accuracy and deadlines. Not available for supplemental. Instruction (1.5), Lab (4.5). Requisite courses: Take DCM-1150L (Required, Concurrent).

DCM-1152 Introduction to Communications • 3 credits

An exploration of the evolution of storytelling from the printing press to high definition broadcasting. Cultural impacts of the news and entertainment industries, ethical implications history, function, role and the effect of mass communication on our society will be examined. Not available for supplemental. Instruction (3.0). Equivalent to CAP-1152, CAP-152.

DCM-1153 Communication Process 3 credits

A study of dynamic personality types when interviewing subjects in the media. Communication styles vary when people's cultural backgrounds and interpersonal styles differ. Real life scenarios, role-playing, public speaking and announcing will draw on communication theory. Not available for supplemental. Instruction (1.5), Lab (3.0). Requisite courses: Take DCM-1153L (Required, Concurrent).

DCM-1154 Public Relations • 3 credits

An introduction to the history, philosophy, ethics and practice of public relations and the beginning skills of public relations application. The public, tools, techniques and media interaction involved in public relations are discussed. Not available for supplemental. Instruction (3.0). Equivalent to CAP-2254, CAP-254.

DCM-1157 Advertising and Marketing for Media • 3 credits

An introduction to the philosophy and principles of advertising and marketing. Buyer behavior, market identification and segmentation, market research and collect data in order to create and implement effective advertising campaigns and media buys will be examined. Emphasis is on use of online, print, broadcast and social media to implement campaigns. Not available for supplemental. Instruction (3.0).

DCM-1159 Media Law and Ethics 3 credits

An exploration of laws and ethics related to the media in Canada and discussions of ethical standards in the media. Provincial, federal and international laws, understanding the regulations surrounding work in the media industry, freedom of expression, court systems, defamation, confidentiality, publication bans and copyright will be examined. Not available for supplemental. Instruction (3.0). Equivalent to CAP-1170, CAP-170.

DCM-1163 Broadcast Writing & Producing • 3 credits

An application of skills to create news, commercial and production segments for both radio and television. Topics include project management, working in teams, originating story ideas and commercial scripts, recording and editing audio and visual content for broadcast. Methods of interviewing for radio and television, and organizing news for broadcast delivery.

Course Descriptions DCM 1165 - DCM 2260

Not available for supplemental. Instruction (1.5), Lab (1.5), Tutorial (3.0). Requisite courses: Take DCM-1150, DCM-1165, DCM-1171 (Required, Previous). Take DCM-1163L and DCM-1163T (Required, Concurrent).

DCM-1165 Visual Media • 3 credits

Care and use of video and still digital cameras and related software will be explored. Emphasis is placed on developing skills to produce visual images used in the media and includes content and composition, dealing with variable lighting conditions, space and motion, controlling depth of field and image editing. Covers skills and techniques for effective videography and editing concepts for producing engaging videos. Not available for supplemental. Instruction (1.5), Lab (3.0). Equivalent to CAP-1165, CAP-165. Requisite courses: Take DCM-1165L (Required, Concurrent).

DCM-1168 Digital Reporting & Publishing • 3 credits

An application of skills for writing and production of online and print based content. Gathering and dissemination of information, including the importance of accuracy and deadlines will be examined as well as the impact of a news story on a wide audience, interviewing, note taking, writing and packaging the story visually. Not available for supplemental. Instruction (6.0). Requisite courses: Take DCM-1150, DCM-1165, DCM-1170 (Required, Previous).

DCM-1170 Production Software 1.5 credits

An introduction to the use of computers and software relevant to media, file management and presentation software, graphics software and design skills relevant to the media. Not available for supplemental. Instruction (3.0). Equivalent to CPU-1170, CPU-170.

DCM-1171 Digital Audio • 1.5 credits

Working with digital audio for all media, handheld mobile digital recorders, digital audio mixing and editing tools, and a digital newswire service will be explored. Not available for supplemental. Instruction (3.0). Equivalent to CAP-1171, CAP-171, CAP-125.

DCM-2250 Reporting & Data Journalism I • 3 credits

The value of accurately capturing details and writing timely stories will be examined in this dynamic fast-paced course. Topics include covering deaths, localizing global events, court reporting, business meetings and sports. Analyzing data for use in a story, ethics and how to get what information you need on deadline will be covered. Not available for supplemental. Instruction (4.5). Requisite courses: Take DCM-1163, DCM-1168 (Required, Previous).

DCM-2251 Feature Coverage I • 3 credits

Focuses on effectively producing features, profiles, entertainment and life pieces and learning the value of applying social media to their coverage. Topics include story meetings, effectively pitching a story to an editor, newsroom hierarchy and how to effectively reach a target demographic. Not available for supplemental. Instruction (4.5). Requisite courses: Take DCM-1163, DCM-1168 (Required, Previous).

DCM-2252 News Production I 6 credits

Focuses on design and presentation of various computer generated products in the media field. Content creation using online, audio, video and publishing techniques will be examined. Major skills include using desktop publishing software, news and feature photography, typography, video and video editing, radio production, web design, podcasts and using content management systems. Appropriately packaging content for use in online, publishing, TV and radio will be examined. Not available for supplemental. Instruction (10.0). Requisite courses: Take DCM-1163, DCM-1168 (Required, Previous).

DCM-2253 On-Air Presentation I 3 credits

An introduction to presentation skills required in all forms of digital media. Focuses on developing best practice habits for public speaking, oral and visual delivery. Topics include announcing and hosting radio, television and online programming, information presentation for daily radio and bi-weekly television newscasts, and interviewing for all mediums. Not available for supplemental. Instruction (3.0). Requisite courses: Take DCM-1153, DCM-1163, DCM-1168 (Required, Previous).

DCM-2254 Reporting & Data Journalism II • 3 credits

Focuses on covering spot news, mock disasters, spot photography, videography and applying data to local news values. Opportunities include creating effective images and interviews from events that do not have the option of follow-up phone calls. Not available for supplemental. Instruction (4.5). Requisite courses: Take DCM-2250 (Required, Previous).

DCM-2255 Feature Coverage II 3 credits

Focusing on long-form coverage of prominent community leaders, entertainment personalities, sports figures, organizations and creating multiple stories about one topic as it progresses. Not available for supplemental. Instruction (4.5). Requisite courses: Take DCM-2251 (Required, Previous).

DCM-2256 News Production II 3 credits

Builds on existing knowledge of content production through online, publishing, TV and radio formats and examines advanced techniques. Packaging content for different audiences using a variety of formats will be explored. Not available for supplemental. Instruction (6.0). Requisite courses: Take DCM-2252 (Required, Previous).

DCM-2257 On-Air Presentation II 3 credits

Focuses on the presentation skills specifically required for a career in multiple mediums. Topics include development of a personal brand, the pace of oral delivery of scripts, control of vocal tone, inflection and body movements. Opportunities include "live" experience in reporting from the field through daily campus radio, and weekly television, and online presentations. Not available for supplemental. Instruction (3.0). Requisite courses: Take DCM-2253 (Required, Previous).

DCM-2260 Entrepreneurship & Freelance • 3 credits

An overview of business, marketing and promotion within the media industry and gaining experience through on-campus mediums. Topics include media business issues when running a media company which include accounting, budgeting, marketing, small enterprise funding, grant writing, portfolios and public relations. Focus is on business models for freelancers and small business promotion. Not available for supplemental. Instruction (6.0).

Course Descriptions DCM 2270 - DES 1156

DCM-2270 Media Writing I • 3 credits

Focuses on writing and evaluating a variety of script formats including commercials and corporate messages to be presented on campus television, radio, newspaper and their online formats. Opportunities include evaluating and writing proposals for a factual, lifestyles or entertainment project for the medium of their choice. Not available for supplemental. Instruction (3.0). Requisite courses: Take DCM-1163, DCM-1168 (Required, Previous). Take DCM-2272 (Required, Concurrent).

DCM-2271 Media Sales and Promotion 3 credits

Sales, marketing and promotion within the media industry will be examined. Practical tasks include advertising sales, news release writing, press kits and special event planning through campus television, radio, newspaper, magazine and their online formats, cultivating business partnerships, customer service and using social media tools for various tasks. Not available for supplemental. Instruction (3.0).

DCM-2272 Broadcast Production 3 credits

Focuses on creating original content for TV, radio and online presentations. Methods include performing duties in preproduction, production and postproduction, to create TV and radio programming and use different distribution methods to share this content with an audience. Creating various commercial and promotional content for use on the campus online radio station and preparing music and program schedules for delivery on campus radio will be examined. Not available for supplemental. Instruction (6.0). Requisite courses: Take DCM-1163 (Required, Previous). Take DCM-2270 (Required, Concurrent).

DCM-2273 Digital Graphic Design 3 credits

Editorial content graphic design of print and online mediums will be explored. Emphasis is on developing skills using desktop publishing software, news and feature photography, typography, logo design and visually packaging content for an audience. Opportunities include practical experience planning, photographing and illustrating content through the campus newspaper, magazine and their online formats. Not available for supplemental. Instruction (6.0). Requisite courses: Take DCM-1168 (Required, Previous).

DCM-2274 Media Presentation 3 credits

Media presentation skills from announcing, hosting, presenting and interviewing will be examined. Opportunities include best practices for interview and live presentation preparation, as well as communicating effectively with the media as a spokesperson across all mediums. Not available for supplemental. Instruction (3.0). Requisite courses: Take DCM-1153 (Required, Previous).

DCM-2275 Media Writing II • 3 credits

A continuation of the development of skills from Media Writing I. With a combination of production and advertising writing, campaign creation and implementation across all platforms, based on client's and audience's needs. Commercial and programming scripts will be produced for radio and television in Digital Production. Social media tools and how they can be used in conjunction with advertising campaigns and media production will be examined. Not available for supplemental. Instruction (6.0). Requisite courses: Take DCM-2270 (Required, Previous). Take DCM-2276 (Required, Concurrent).

DCM-2276 Campus Media • 3 credits

Content creation and packaging for a combination of the campus newspaper, radio and television and their online formats will be examined. Opportunities include producing live content in the field, webcasting, graphic design, sales and promotions. Not available for supplemental. Instruction (6.0). Requisite courses: Take DCM-2271, DCM-2272, DCM-2273 (Required, Previous). Take DCM-2275 (Required, Concurrent).

DCM-2277 Digital Production 6 credits

Focuses on production of radio, television and publishing. Television topics include team project to produce specialty programming for broadcast and the web while continuing to create commercials and promotions. Radio emphasizes more advanced production skills to create programming and promotional materials. Publishing examines advanced design concepts to be implemented across multiple platforms including content development, magazine advertising, page design, uploading online content and photography while producing a full-sized glossy magazine.

Opportunities include portfolio creation and web maintenance. Not available for supplemental. Instruction (6.0). Requisite courses: Take DCM-2270, DCM-2272, DCM-2273 (Required, Previous).

DCM-2280 Practicum • 3 credits

The application of acquired media skills and knowledge in an actual industry environment. Students find a practicum placement that supports course learning outcomes. Placements must include guidance of experienced supervisor operating in student's chosen field. Host must provide equipment, site and expertise to offer complete work experience. College facilities and equipment cannot be used in practicums. Work should be equal to duties of entry-level employee. Practicum requires 150 hours of work. Not available for supplemental. Not eligible for Prior Learning Assessment. Work Experience (). Requisite courses: Take DCM-1150, DCM-1152, DCM-1153, DCM-1154, DCM-1157, DCM-1159, DCM-1163, DCM-1165, DCM-1168, DCM-1170, DCM-1171 (Required, Previous).

(DES) DESIGN

DES-1153 Basic Design • 3 credits

This course introduces the basic elements and principles of design. Included is an introduction to colour. Students will explore basic principles and concepts that relate to a range of design areas. The emphasis of this course will be on learning through examples, warm-ups, exercises, discussions, critiques and projects. Supplies are not included in the cost of tuition. A supply list will be provided at the first class. Not available for supplemental. Instruction (3.0). Equivalent to DES-153.

DES-1155 Graphic Design • 3 credits

An introduction to creating projects that communicate a message using digital design tools. Emphasis is on developing an awareness of the language of design and its fundamental principles. Instruction (4.0). Equivalent to DES-155, CMM-150.

DES-1156 Web Graphics, Layout and Interface Design • 3 credits

A skills-based approach to applying visual communication into website design, interface design, print layout and virtual reality. Exploration of design challenges in regard to mobile environments.

Course Descriptions DEV 0001 - DRF 2261

Emphasis is on choosing the right workflow for the desired end result. Instruction (6.0). Equivalent to DES-156. Requisite courses: Take DES-1155 (Required, Previous).

(DEV) DEVELOPMENTAL STUDIES

DEV-0001 Developmental Studies 1 credit

The development of foundational skills for learners who are underprepared or at-risk in specific areas, including writing, reading, math, sciences, computers and study skills. An individualized, skill based approach helps develop learners' abilities to be self-directed in the use of strategies appropriate to their learning styles and subject demands. Not available for supplemental. Not eligible for Prior Learning Assessment. Instruction (1.0). Equivalent to DEV-001.

DEV-0002 Developmental Studies 2 credits

The development of foundational skills for learners who are underprepared or at-risk in specific areas, including writing, reading, math, sciences, computers and study skills. An individualized, skill based approach helps develop learners' abilities to be self-directed in the use of strategies appropriate to their learning styles and subject demands. Not available for supplemental. Not eligible for Prior Learning Assessment. Instruction (2.0). Equivalent to DEV-002.

DEV-0003 Developmental Studies 3 credits

The development of foundational skills for learners who are underprepared or at-risk in specific areas, including writing, reading, math, sciences, computers and study skills. An individualized, skill based approach helps develop learners' abilities to be self-directed in the use of strategies appropriate to their learning styles and subject demands. Not available for supplemental. Not eligible for Prior Learning Assessment. Instruction (3.0). Equivalent to DEV-003.

DEV-0004 Developmental Studies 4 credits

The development of foundational skills for learners who are underprepared or at-risk in specific areas, including writing, reading, math, sciences, computers and study skills. An individualized, skill based approach helps develop learners' abilities to be self-directed in the use of strategies appropriate to their learning styles and subject demands. Not available for supplemental. Not eligible for Prior Learning Assessment. Instruction (4.0). Equivalent to DEV-004.

DEV-0005 Developmental Studies 5 credits

The development of foundational skills for learners who are underprepared or at-risk in specific areas, including writing, reading, math, sciences, computers and study skills. An individualized, skill based approach helps develop learners' abilities to be self-directed in the use of strategies appropriate to their learning styles and subject demands. Not available for supplemental. Not eligible for Prior Learning Assessment. Instruction (5.0). Equivalent to DEV-005.

DEV-1101 Developmental Studies 1.5 credits

An individualized skills based approach for learners with specific learning needs not typically addressed directly in course content. Beneficial to students needing to refresh or further develop specific skills, including academic reading or writing, math, science, computer, or study skills; students who have English as a second language; or students who are academically at-risk. Students' needs are addressed to increase confidence and to support development of appropriate skills and strategies for academic success. Not available for supplemental. Not eligible for Prior Learning Assessment. Independent Study ().

DEV-1102 Developmental Studies 1.5 credits

An individualized skills based approach for learners with specific learning needs not typically addressed directly in course content. Beneficial to students needing to refresh or further develop specific skills, including academic reading or writing, math, science, computer, or study skills; students who have English as a second language; students with learning disabilities; or students who are academically at-risk. Students' needs are addressed to increase confidence and to support development of appropriate skills and strategies for academic success. Not available for supplemental. Not eligible for Prior Learning Assessment. Independent Study ().

DEV-1103 Developmental Studies 1.5 credits

An individualized skills based approach for learners with specific learning needs not typically addressed directly in course content. Beneficial to students needing to refresh or further develop specific skills, including academic reading or writing, math, science, computer, or study skills; students who have English as a second language; students with learning disabilities; or students who are academically at-risk. Students' needs are addressed to increase confidence and to support development of appropriate skills and strategies for academic success. Not available for supplemental. Not eligible for Prior Learning Assessment. Independent Study ().

(DRF) DRAFTING

DRF-2244 Practicum • 3 credits

This course is a practicum for the full spectrum of engineering disciplines covered in the Engineering Design and Drafting Technology program. Field placement puts students in actual engineering office practices on a day-to-day basis. Students are required to participate as part of an engineering team and to complete actual work assignments as specified by the engineering supervisor or their appointee. Attendance is mandatory. Not available for supplemental. Not eligible for Prior Learning Assessment. Work Experience (). Equivalent to DRF-244.

DRF-2261 Pressure Vessel Design 3 credits

This course is an introduction to pressure vessel design. Types of vessels and exchangers and sizing criteria will be introduced for petrochemical applications. Vessels will be designed to ASME Section VIII code requirements. Vessel terminology, weld symbols, control instrumentation, and drawing standards will be applied to the development of a fabrication drawing using CAD and CADWorx software. Not available for supplemental. Instruction (4.0). Equivalent to DRF-261, DRF-263. Requisite courses: Take DRF-1160 (Required, Previous). Take CAD-2258 (Required, Concurrent).

Course Descriptions DRF 2264 - EAP 0098

DRF-2264 Topographical Drafting 3 credits

This course covers the fundamentals of topographic mapping and includes topics such as map projection methods, map reference grids, map symbols, interpretation of topographic features, marginal map information, datum planes, and representing relief on maps. Other topics include the determination of scale, distance, area and direction on maps. Students are introduced to aerial photographic compilation and interpretation. The exercises and drawing projects are applied to related engineering applications. Not available for supplemental. Not eligible for Prior Learning Assessment. Instruction (3.0). Equivalent to DRF-264. Requisite courses: Take CAD-1155, CAD-1180, SUR-1162 (Required, Previous).

DRF-2265 Mechanical Design & Drafting II • 3 credits

This course is a continuation of DRF 160 - Mechanical Design & Drafting I. Topics will include tolerancing, welding terminology, strength of fillet welds in tension, weldment drawings, thread nomenclature, strength of thread calculations, detail, and general assembly drawings. There will be a final design project, done in design groups of three students, encompassing all of the materials covered in this course. Not available for supplemental. Instruction (5.0). Equivalent to DRF-265. Requisite courses: Take DRF-1160 (Required, Previous).

DRF-2268 Architectural Design & Drafting II • 3 credits

This course gives students an understanding of topics related to the design of commercial building methods, materials and planning calculations. Commercial drawings will be prepared using the Building Code, design computations, and a variety of architectural resource materials. An understanding of commercial building plans is gained through the preparation of drawings. Not available for supplemental. Not eligible for Prior Learning Assessment. Instruction (5.0). Equivalent to EDD-2268, DRF-268, DRF-250. Requisite courses: Take CAD-1180 and DRF-1165 (Required, Previous). Take CAD-2258 (Required, Concurrent).

DRF-2271 Mechanical Design & Drafting III • 3 credits

This course deals with the design and selection of various machine components and machine drive systems. It will also introduce students to the fundamentals of parametric 3D models and CAD/CAM. Students will apply design process procedures in the preparation of working drawings for a given machine design problem. Not available for supplemental. Not eligible for Prior Learning Assessment. Instruction (5.0). Equivalent to DRF-271. Requisite courses: Take DRF-2265, ENF-1150 (Required, Previous).

DRF-2272 Municipal Design & Drafting 3 credits

An introduction to the principles and practices related to municipal design and drafting, focusing on how information should be analyzed, interpreted, and recorded by the draftsman. Students will use advanced application software throughout the course. Topics such as lot grading, storm and sanitary sewers, roadway grading, and preliminary cost analysis will be covered. The exercises and drawing projects are applied to residential subdivision design and related engineering applications. Not eligible for Prior Learning Assessment. Instruction (2.0), Tutorial (3.0). Equivalent to EDD-2290, DRF-272, DRF-269. Requisite courses: Take DRF-2264, ENF-1161 (Required, Previous). Take DRF-2272T (Required, Concurrent).

DRF-2273 Architectural Design & Drafting III • 3 credits

A continuation of Architectural Design & Drafting II and will focus on advanced commercial building design. Students will prepare commercial drawings such as sections as well as interior and exterior elevations. Designs will involve use of the Building Code. The course will also provide an opportunity for students to prepare 3D presentation drawings for their projects using CAD software. Not eligible for Prior Learning Assessment. Instruction (4.0). Equivalent to DRF-273. Requisite courses: Take DRF-2268 (Required, Previous).

DRF-2274 Piping Design • 3 credits

This course will introduce petrochemical processes typical for natural gas processing including dehydration, refrigeration and amine sweetening. The design process from Process Flow Diagrams (PFDs), to Piping and Instrumentation Drawings (P&IDs), to

advanced piping design and layout for a facility will be developed. CADWorx software for 3-dimensional modeling will be used, including section and isometric drawings for spool fabrication. Not available for supplemental. Instruction (4.0). Equivalent to DRF-274, DRF-270. Requisite courses: Take DRF-2261 (Required, Previous).

(EAP) ENGLISH ACADEMIC PURPOSES

EAP-0096 Academic Writing • 6 credits

In this advanced academic writing course for English as a Second Language learners, students study academic texts from a variety of disciplines by analyzing complex grammatical structures. Students also learn to write coherent detailed essays, papers, and reports in order to defend their own points of view. Focus will also be on effective proofreading, critiquing, and paraphrasing academic texts. Instruction (10.0). Equivalent to EAP-096. Requisite courses: Take ESL-0094 (Required, Previous).

EAP-0097 Academic Communication 3 credits

This academic communication course is designed to improve academic listening and speaking skills for English as a Second Language learners. Students will listen to and discuss a variety of lectures based on academic topics. They will learn how to make formal and informal presentations, carry on debates, and effectively participate in college classroom discussions. Advanced pronunciation techniques will also be practiced throughout the course. Instruction (5.0). Equivalent to EAP-097. Requisite courses: Take ESL-0094 (Required, Previous).

EAP-0098 Academic Reading • 3 credits

In this advanced academic reading course for English as a Second Language learners, students examine academic texts covering a wide range of disciplines. Vocabulary expansion and increased reading speed techniques will enable students to skim and scan for general ideas and opinions as well as for specific details. Students will also learn how to identify a writer's bias and to differentiate between fact and opinion. Instruction (5.0). Equivalent to EAP-098. Requisite courses: Take ESL-0094 (Required, Previous).

Course Descriptions ECE 1151 - ECE 2253

(ECE) EARLY CHILDHOOD EDUCATION

ECE-1151 Health, Safety and Nutrition 3 credits

This course provides content specifically focused on the wellness of young children and those who care for them in early childhood education programs. The course content focuses on basic principles of health and well-being, nutrition through implementation of the Canada Food Guide, and safety issues pertaining to early childhood. Not available for supplemental. Instruction (3.0). Equivalent to ECE-151, ECE-158.

ECE-1154 Guiding Children's Behavior 3 credits

An exploration on how to effectively guide young children's behaviour using positive child guidance strategies. The importance of the early childhood education professional developing rapport with young children and supporting the development of positive self-esteem is stressed. Reflection on experiences with young children and knowledge of child growth and development help to understand why children behave in the ways they do. Not available for supplemental. Instruction (2.0), Lab (1.0). Equivalent to ECE-154. Requisite courses: Take COM-1162 (Required, Previous). Take ECE-1154L (Required, Concurrent).

ECE-1155 Intro to Early Childhood Education • 3 credits

This course covers the goals and essential components for successful preschool experiences. The historical, social and psychological influences that have shaped early childhood theory and practice through the years are also examined. Students will gain an insight into the role of the early childhood worker and will examine their own personal philosophy for early childhood work, in light of current appropriate child care practices. Not available for supplemental. Instruction (3.0). Equivalent to ECE-155.

ECE-1156 Development Through Play 3 credits

An introduction to play as a natural but integral factor of the child's intellectual, physical, social, emotional, language and creative development. Topics include: how to organize meaningful play experiences for the optimum growth of individual children in a variety of settings, choice of appropriate play materials/equipment, and the physical arrangements of both indoor and outdoor spaces.

Not available for supplemental. Instruction (1.5), Lab (1.5). Equivalent to ECE-156. Requisite courses: Take ECE-1155 (Required, Previous). Take ECE-1156L (Required, Concurrent).

ECE-1160 Observation and Recording 3 credits

Students develop the skill of observing and recording the behaviours of young children. Students examine the concept of behaviour, the rationale for observation and a variety of observation techniques. The process of recording observations and the sources of error in records will be examined in detail. Students will be required to complete practical assignments in field placement and other ECE settings. Not available for supplemental. Instruction (2.0). Equivalent to ECE-160.

ECE-1162 Creative Experiences I 3 credits

This first-year course is one of three that places emphasis on developmentally appropriate activities for young children. The content of creative experience courses will provide knowledge of the young child's growth and abilities (physically, creatively, intellectually, socially and emotionally). This information will be applied to skills and attitudes when planning, implementing, guiding and evaluating activities offered for individual children and groups. The focus is on the integration of language arts experiences through children's literature and creative arts experiences into an early childhood curriculum. Not available for supplemental. Instruction (1.5), Lab (1.5). Equivalent to ECE-162. Requisite courses: Take ECE-1162L (Required, Concurrent).

ECE-1180 Field Placement I • 1.5 credits

A field placement completed under the guidance of experienced early childhood professionals in a variety of community settings. This first placement provides the opportunity to integrate classroom knowledge with practical experience. Focus is on developing skills in observing and recording children's behaviour, appropriate interaction skills, and demonstrating personal and professional attitudes and behaviours needed to be an effective early childhood professional. Not available for supplemental. Work Experience (). Equivalent to ECE-180.

ECE-1181 Field Placement II • 3 credits

A second field placement completed under the guidance of experienced early childhood professionals in a variety of community settings. Focus is on planning, implementing and evaluating developmentally appropriate activities and play areas and further refinement of recording observations and interaction skills. Demonstration of personal and professional attitudes and behaviours needed to be an effective early childhood professional is reinforced. Not available for supplemental. Not eligible for Prior Learning Assessment. Work Experience (). Equivalent to ECE-181. Requisite courses: Take ECE-1180, ECE-1162 (Required, Previous).

ECE-2251 Diversity in ECE • 1.5 credits

This course will examine the anti-bias curriculum including gender, age, race, culture and class. Effective cross-cultural communication strategies will be explored. Not available for supplemental. Instruction (2.0). Equivalent to ECE-251.

ECE-2252 Child and Family • 1.5 credits

This course increases understanding and awareness of young children and their families. It examines the historical and societal influences on the family as well as the critical issues confronting families. The dual role of the program and caregiver in relation to the family is examined. Not available for supplemental. Instruction (2.0). Equivalent to ECE-252.

ECE-2253 Family and Community 1.5 credits

This course is a more in-depth study of the needs of families with a focus on building skills for working with young children and their families. It examines the sociological factors that impact family life as well as the importance of family involvement within the program and the value of parent education to enhance and support parents in their role as primary caregivers. Awareness and knowledge of community agencies that support families are also stressed. Not available for supplemental. Instruction (2.0). Equivalent to ECE-253. Requisite courses: Take ECE-2252 (Required, Previous).

Course Descriptions ECE 2255 - ECE 2281

ECE-2255 School-Aged Programming 3 credits

Students examine the role of the early childhood professional and the goals and philosophy of school-aged care programs for children ages 6 to 12. Students learn about the school-aged child, their developmental characteristics, interests and capabilities. The current legislation, standards and professional qualifications that support quality school-aged programs is examined. Not available for supplemental. Instruction (3.0). Equivalent to ECE-255. Requisite courses: Take ECE-2264 (Required, Previous).

ECE-2257 Organization & Administration 3 credits

This course covers a variety of types of ECE programs. This information is examined together with legal and professional procedures necessary for the initiation and the operation of a centre. Optimum use of space, equipment, personnel and resources are considered in the creation of centres, which serve the child's developmental needs. Not available for supplemental. Instruction (3.0). Equivalent to ECE-257. Requisite courses: Take ECE-2264 (Required, Previous).

ECE-2260 Infant and Toddler Programming • 3 credits

This course covers meeting the individual and group needs of infants and toddlers. It reviews developmental needs of young children (birth to 36 months) and examines how to plan and establish an environment suitable to this age group. This includes examining the adult role, routines, scheduling and suitable activities. Not available for supplemental. Instruction (2.0), Lab (1.0). Equivalent to ECE-260. Requisite courses: Take ECE-2260L (Required, Concurrent).

ECE-2262 Creative Experiences II 3 credits

This course is the second of three courses that places emphasis on developmentally appropriate activities for young children. The content of creative experience courses will provide knowledge of the young child's growth and abilities physically, creatively, intellectually, socially and emotionally. This information will be applied to skills and attitudes when planning, implementing, guiding and evaluating activities offered for individual children and groups.

The focus will be on the integration of music, gross motor and creative movement experiences into an early childhood curriculum. Not available for supplemental. Instruction (1.0), Lab (2.0). Equivalent to ECE-262. Requisite courses: Take ECE-2262L (Required, Concurrent).

ECE-2263 Creative Experiences III 3 credits

This course is the third of three courses that places emphasis on developmentally appropriate activities for young children. The content of creative experience courses will provide knowledge of the young child's growth and abilities physically, creatively, intellectually, socially, and emotionally. This information will be applied to skills and attitudes when planning, implementing, guiding and evaluating activities offered for individual children and groups. The focus will be on the integration of science and field trips, math and cooking experiences into an early childhood curriculum. Not available for supplemental. Instruction (1.0), Lab (2.0). Equivalent to ECE-263. Requisite courses: Take ECE-2263L (Required, Concurrent).

ECE-2264 Pre-School Programming 3 credits

This course covers the major objectives and current philosophy underlying an individualized, child-centred, play-oriented program. Techniques of program planning and curriculum development appropriate to the needs of the child in areas such as cognitive, social, emotional, physical and creative development are examined. Students are introduced to the legal requirements and the professional procedures necessary for implementing various programs. Optimum use of space, equipment, personnel and resources are considered. Not available for supplemental. Instruction (3.0). Equivalent to ECE-264.

ECE-2266 Team Building • 1.5 credits

This course focuses on the principles of effective teamwork in the workplace and examines group processes. Relationships with adults, particularly co-workers, parents and community personnel are addressed. Not available for supplemental. Instruction (2.0). Equivalent to ECE-266.

ECE-2270 Inclusion of Children with Special Needs • 3 credits

This course emphasizes the inclusion of children with special needs. It examines the importance of adult attitudes, play-based assessment and interdisciplinary services. Strategies for adapting learning environments to address the special needs of children with delays while maintaining the integrity of developmentally appropriate practice will be presented. Not available for supplemental. Instruction (3.0). Equivalent to ECE-270.

ECE-2280 Field Placement III • 3 credits

In this course students are placed in a variety of settings in the community such as child-care centres, kindergartens and playschools. Students will plan, implement, and evaluate developmentally appropriate activities and play areas for young children. Students will demonstrate skills, knowledge and attitudes necessary for working with families. Students will develop a basic record-keeping system for an early childhood education environment and implement this system. The field placement experience is under the guidance of experienced early childhood professionals with the cooperation of the coordinator/operator involved. Students are expected to demonstrate personal and professional attitudes and behaviours necessary for functioning as effective early childhood professionals. Not available for supplemental. Work Experience (1). Equivalent to ECE-280.

ECE-2281 Field Placement IV 3 credits

A final field placement completed under the guidance of experienced early childhood professionals in a variety of community settings. Focus is on planning, implementing and evaluating developmentally appropriate activities, field trips and play areas as well as evaluating, adjusting and using the record keeping system developed in Field Placement III. Demonstration of personal and professional attitudes and behaviours needed to be an effective early childhood professional is expected. Not available for supplemental. Not eligible for Prior Learning Assessment. Work Experience (1). Equivalent to ECE-281. Requisite courses: Take ECE-2262, ECE-2264, ECE-2280 (Required, Previous).

Course Descriptions ECN 1180 - EDD 2285

(ECN) ECONOMICS

ECN-1180 Microeconomics • 3 credits

The study of the decisions made by individual households, firms, and industries in the production and consumption of goods and services. Includes comprehensive coverage of factors that impact and are impacted by supply and demand. Instruction (4.0). Equivalent to ECN-180, ECN-181.

ECN-2253 Macroeconomics • 3 credits

An overview of economic life, considering the total size, shape and functioning of economic experience rather than the workings of individual firms. Includes topics of national and global interest such as inflation, employment, fiscal policy, monetary policy, and international trade. It is recommended that ECN-1180 be completed before ECN-2253. Instruction (5.0). Equivalent to ECN-253.

(EDD) ENGINEERING DESIGN DRAFTING

EDD-1150 Architectural Design I 3 credits

An introduction to architectural and engineering design and drafting through the study of symbols and conventional practices used on residential building plans. The application of the building code, design calculations, spatial relationships, and selection of appropriate structural building materials are examined. Focus is on the preparation of working drawings for a single family residence, including a main floor plan, foundation plan, building section, and elevation views using 3D design software. Not available for supplemental. Instruction (6.0). Requisite courses: Take CAD-1160 (Required, Previous). Take ENF-1180 (Required, Concurrent).

EDD-1160 Technical Drawing 1.5 credits

An introduction to technical drafting skills utilizing manual drafting equipment and standard drafting practices. Focus is on use of equipment, lettering, line work, geometric construction, orthographic projection, dimensioning and pictorial drawing. Not available for supplemental. Instruction (3.0). Equivalent to DRF-1153, DRF-153, DRF-152.

EDD-1170 Mechanical Design I 3 credits

A study of mechanical design and drafting views terminology and conventions used in preparation of working drawings. The introduction to 3D parametric modeling using 3D software. Not available for supplemental. Instruction (6.0). Requisite courses: Take CAD-1160 (Required, Previous).

EDD-2255 Process Design I • 3 credits

An introduction to pressure vessel design. Types of vessels and exchangers and sizing criteria will be introduced for petrochemical applications. Vessels will be designed to ASME Section VIII code requirements. Vessel terminology, weld symbols, process control instrumentation, optimum insulation thicknesses, and drawing standards will be applied to the development of a fabrication drawing using dedicated engineering software. Not available for supplemental. Instruction (5.0). Requisite courses: Take CAD-1160 (Required, Previous). Take ENF-2250 (Required, Concurrent).

EDD-2268 Architectural Design II 3 credits

A study of topics related to the design of commercial building methods, materials and planning calculations. Commercial drawings will be prepared using the Building Code, design computations, and a variety of architectural resource materials. An understanding of commercial building plans is gained through the preparation of drawings using 3D design software. Not available for supplemental. Instruction (5.0). Equivalent to DRF-2268, DRF-268, DRF-250. Requisite courses: Take EDD-1150 (Required, Previous).

EDD-2270 Mechanical Design II 3 credits

A study of mechanical design and drafting. Focusing on the design and selection of various machine components and machine drive systems. The application of design process procedures and design software to produce the deliverables for a given machine design problem. Not available for supplemental. Instruction (6.0). Requisite courses: Take EDD-1170, ENF-1166 (Required, Previous).

EDD-2275 Digital Mapping and Analysis 3 credits

An introduction to mapping including topics such as topographic and thematic mapping, map projection methods, locational reference grids, map symbology and map scale. This also includes the practice of digital file maintenance, database manipulation and the creation of maps using Geographic Information Systems (GIS) technology with an emphasis on applications for engineering design and drafting. Not available for supplemental. Not eligible for Prior Learning Assessment. Instruction (2.0), Tutorial (3.0). Requisite courses: Take SUR-1180 (Required, Previous). Take EDD-2275T (Required, Concurrent).

EDD-2280 Process Design II • 3 credits

An introduction to petrochemical processes typical for natural gas processing including dehydration, refrigeration and amine sweetening. The design process from Process Flow Diagrams (PFDs), to Piping and Instrumentation Drawings (P&IDs), to advanced piping design and layout for a facility will be developed. Piping will be designed to ASME B31.3 code requirements. Dedicated engineering software for 3-dimensional modeling will be used, including section and isometric drawings for spool fabrication. Not available for supplemental. Instruction (5.0). Requisite courses: Take EDD-2255 (Required, Previous).

EDD-2285 Environmental Systems 3 credits

An introduction to the fundamental concepts of heat transfer and the application of heating, ventilation, air conditioning, and domestic hot water systems to residential and light commercial buildings. A building will be modeled for heat transfer, and cost-benefit analyses will be conducted to determine optimum performance for a specific climate. The concepts of passive solar gain, indoor air quality, and renewable technologies including solar photovoltaic, solar water heating, and ground-source heat pumping will also be developed. Not available for supplemental. Instruction (4.0). Requisite courses: Take ENF-1180, ENF-2250 (Required, Previous).

Course Descriptions EDD 2290 - EDU 2254

EDD-2290 Civil Design and Drafting 3 credits

The application of skills learned in prior courses, particularly CAD, survey and fluid mechanics to a variety of civil design and drafting activities. Typical activities will be similar to those encountered in an engineering office and will use industry standard software applications in the preparation of designs and drawings. Emphasis will be placed on meeting appropriate design guidelines and standards. Not available for supplemental. Instruction (6.0). Equivalent to DRF-2272, DRF-272, DRF-269. Requisite courses: Take EDD-2275 (Required, Previous).

EDD-2295 Architectural Design III 3 credits

The continuation of Architectural Design II, focusing on advanced commercial building design. This includes preparation of commercial drawings such as sections as well as interior and exterior elevations. Designs will involve the use of the Building Code. This also includes an opportunity for students to prepare 3D presentation drawings for their projects using CAD software. Not available for supplemental. Instruction (5.0). Requisite courses: Take EDD-2268 (Required, Previous).

EDD-2298 Work Experience • 1.5 credits

An 80-hour optional field work experience placement providing an opportunity for involvement in engineering disciplines related to Engineering Design and Drafting Technology. An application of program skills and knowledge through exposure to field-specific activities performed by engineering technologists on a day-to-day basis. Individuals are required to participate as part of an engineering team to complete work assignments as specified by the engineering supervisor or their appointee. Not available for supplemental. Not eligible for Prior Learning Assessment. Work Experience ().

(EDU) EDUCATION

EDU-1153 Foundations of Educational Assistance • 3 credits

This course is an introduction to the professional behaviours and attitudes that are required by the Educational Assistant in the school system. Emphasis will be on the government's special education standards in the schools, the coding classification for students with disabilities, the

philosophy and practice of inclusion, the legal and ethical issues concerning children with disabilities and the roles and responsibilities of the Educational Assistant in supporting students with disabilities under the guidance of the teacher. Included is an overview of the various developmental disabilities/delays and their characteristics. Not available for supplemental. Instruction (3.0). Equivalent to EDU-153, EDU-151.

EDU-1155 Math Instructional Support 3 credits

This course provides instruction for children who are having challenges in math. The special needs assistant will learn instructional techniques and how to adapt the curriculum to meet the learning needs of the student under the supervision of the classroom teacher. Not available for supplemental. Instruction (3.0). Equivalent to EDU-155.

EDU-1156 Language Arts Instructional Support • 3 credits

This course provides instruction for children having challenges in the area of language arts. The special needs assistant will learn instructional techniques and how to adapt the curriculum to meet the learning needs of the students under the supervision of the classroom teacher. Not available for supplemental. Instruction (3.0). Equivalent to EDU-156.

EDU-1162 Self-Regulation in the Classroom • 3 credits

The application of self-regulation strategies in the classroom to address attention challenges. Focus will be on differentiated learning, brain-based perspective, current best practice and developmental considerations. Not available for supplemental. Not eligible for Prior Learning Assessment. Instruction (3.0). Requisite courses: Take EDU-1163 (Required, Previous).

EDU-1163 Observation and Assessment 3 credits

An introduction to the individualized planning processes used by services that support children and adults with special needs. Emphasis is on specific skills for observing and objectively recording events, baselines and functional assessments and processes, and the process of selecting, writing and evaluating goals and objectives. Not available for supplemental. Instruction (3.0). Equivalent to RSP-1153, RSP-153.

EDU-1165 Applied Behaviour Analysis 3 credits

An introduction to principles of applied behaviour analysis such as reinforcement, natural and logical consequences and generalization. Emphasis is on techniques for increasing, decreasing, or developing new skills as a basis for designing instructional/intervention procedures and the process of positive behaviour supports. Ethical uses of applied behaviour analysis are extensively discussed. Not available for supplemental. Instruction (3.0). Equivalent to RSP-1155, RSP-155.

EDU-2250 Speech & Language Development • 3 credits

This course provides an in-depth study of the development of speech, language and communication skills in children. Speech, language and communication disorders that affect children are discussed. Students will learn specific techniques and intervention strategies to support children with special needs in the classroom. Not available for supplemental. Not eligible for Prior Learning Assessment. Instruction (3.0). Equivalent to EDU-250, EDU-157.

EDU-2252 ESL Instructional Support 3 credits

This course will provide theories associated with English as a second language acquisition in children/adolescents. Students will learn techniques for assisting children who are ESL to speak or to listen as well as develop vocabulary/grammatical and phonological development. The role of the Special Needs Educational Assistant in classrooms with children whose first language is not English will be emphasized. Not available for supplemental. Not eligible for Prior Learning Assessment. Instruction (3.0). Equivalent to EDU-252.

EDU-2254 Health Issues in Education 3 credits

This course will provide students with an overview concerning the promotion of health and safety, the prevention of illness, as well as the maintenance and quality care of children with diverse needs in schools. Not available for supplemental. Not eligible for Prior Learning Assessment. Instruction (3.0). Equivalent to HTH-2250, HTH-250.

Course Descriptions EDU 2255 - ENF 2250

EDU-2255 Educational Trends 1.5 credits

This course will cover traditional and non-traditional classroom methods. The techniques and strategies arising from each method will provide the knowledge and flexibility necessary to respond to children with diverse needs using educationally sound practices. In addition, alternative deliveries of education for children and youth will be explored, such as home schooling, virtual learning, adaptive behavior classrooms and other new trends in educational programs with emphasis on the impact of these approaches to the educational assisting field. Not available for supplemental. Not eligible for Prior Learning Assessment. Instruction (2.0). Equivalent to EDU-255.

EDU-2258 Case Studies of Challenging Behaviour • 3 credits

This course will further develop competency in strength-based, positive intervention analysis and design. Using a best practice approach, case studies of children with specific exceptionalities will be utilized to enable assistants to locate and apply appropriate Alberta Learning resources. The focus includes, but is not limited to, children affected with Autism spectrum, behavioral disorders and learning disabilities. Not available for supplemental. Instruction (3.0). Equivalent to EDU-258. Requisite courses: Take EDU-1165 (Required, Previous).

EDU-2260 Positive Behavioral Supports 3 credits

Learners will increase their skills in behavioural management techniques and practical strategies to manage children with behavioural difficulties which affect their ability to reach their potential within a school environment. Not available for supplemental. Not eligible for Prior Learning Assessment. Instruction (3.0). Equivalent to EDU-260. Requisite courses: Take EDU-2258 (Required, Previous).

EDU-2266 Sensory Impairments 3 credits

This course is a blend of theory and practice, examining educational issues and techniques in supporting children affected by autism, visual and hearing impairments. Each syndrome will be looked at from a sensory perspective. The use of augmentative communication systems such as sign language and picture exchange systems and amplification systems as well as strategies to work with

children affected by sensory impairments will be discussed. Not available for supplemental. Not eligible for Prior Learning Assessment. Instruction (3.0). Equivalent to EDU-266, EDU-159.

(ENF) ENGINEERING FUNDAMENTALS

ENF-1150 Strength of Materials 3 credits

This course studies the strength of materials, those properties of a material that enable it to resist the action of external forces and the resulting internal stresses of deformation. It provides students with the mathematical fundamentals required for further study in structural design. Topics to be covered include friction, direct stress and strain, shear stress and strain, design properties, thermal stress, torsion, bending stress, deflection and combined stresses in beams and columns. Not available for supplemental. Not eligible for Prior Learning Assessment. Instruction (4.0). Equivalent to ENF-150. Requisite courses: Take MTH-1149, ENF-1135 (Required, Previous).

ENF-1161 Fluid Mechanics • 3 credits

This course covers the fundamental concepts of delivering water in pipes or channels. It includes properties of fluids, pressure, water flow in pipes and channels, energy losses and hydraulic gradient. Other topics include the basic principles of flow to enable students to go on to specific applications of water resource study. Not available for supplemental. Instruction (2.0), Lab (2.0). Equivalent to ENF-2250, ENF-161. Requisite courses: Take MTH-1149 (Required, Previous). Take ENF-1161L (Required, Concurrent).

ENF-1166 Statics & Strength of Materials 3 credits

An introduction to the concepts of statics and strength of materials. Students will apply competencies in mathematics and physics to solve engineering problems. It provides students with the fundamentals required to study structural design courses. Statics, the first part of the course, is primarily concerned with the study of forces acting on structural members which are at rest. Topics include forces and their effects, resultants of coplanar force systems, equilibrium of coplanar force systems, analysis of trusses, centroids, and moments of inertia. The second part of the course primarily deals with analysis and design. The topics to be covered include direct stresses and strains, shear stresses and strains, design properties, thermal

stresses, torsion, bending stresses, deflection and combined stresses. Not available for supplemental. Not eligible for Prior Learning Assessment. Instruction (6.0). Requisite courses: Take MTH-1150 (Required, Previous).

ENF-1170 Engineering Properties I 3 credits

An introduction to the engineering properties of soils and hot mix asphalt as they relate to the civil engineering industry. Topics will include an overview of geological processes, rock and mineral classification system, fundamental engineering concepts and calculations for the selection and design of appropriate soil foundations and asphalt pavement structures. Laboratory projects will be incorporated in the course to supplement the lecture material and to reinforce and supplement theoretical concepts. Not available for supplemental. Not eligible for Prior Learning Assessment. Instruction (3.0), Lab (2.0). Requisite courses: Take ENF-1170L (Required, Concurrent).

ENF-1180 Engineering Materials & Construction Practices • 3 credits

An introduction to various engineering materials as well as principles and practices of light construction. A study of the structure, behavior, processing, properties and applications of building materials. Topics will also include accepted building construction practices and application of the Building Code. Laboratory work will be used to reinforce and supplement theoretical concepts. Not available for supplemental. Not eligible for Prior Learning Assessment. Instruction (3.0), Lab (3.0). Requisite courses: Take EDD-1150, ENF-1180L (Required, Concurrent).

ENF-2250 Fluid Mechanics • 3 credits

A study of the fundamental concepts in fluid mechanics. Focusing on the properties of fluids, pressure, static fluid forces, energy losses, and fluid flow in pipes and open channels. Not available for supplemental. Instruction (3.0), Lab (2.0). Equivalent to ENF-1161, ENF-161. Requisite courses: Take MTH-1150 (Required, Previous). Take ENF-2250L (Required, Concurrent).

Course Descriptions ENG 0063 - ENG 1156

(ENG) ENGLISH

ENG-0063 English Basics • 5 credits

The development of the writing and reading skills required for further course work in the College and University Preparation program and/or workforce literacy. Topics covered are employment related readings, paragraphs, basic grammar, spelling, and punctuation. Students registering in this course should have completed an assessment test. Not available for supplemental. Instruction (5.0). Equivalent to ENG-063.

ENG-0070 English 0070 • 5 credits

The development of effective paragraph and essay techniques. Topics covered are sentence structure, grammar, and mechanics. Students registering in this course should have successfully completed ENG-0063 or equivalent. Not available for supplemental. Instruction (5.0). Equivalent to ENG-070.

ENG-0080 English 0080 • 5 credits

A focus on the skills required to write effective essays. Topics covered include writing correct sentences, generating interesting and effective ideas and support, and organizing content from several sources into a variety of essay types, including a research essay. Students registering in this course should have successfully completed ENG-0070 or equivalent, or have been placed at this level through an assessment test. Not available for supplemental. Instruction (5.0). Equivalent to ENG-080.

ENG-0085 English 0085 • 5 credits

An introduction to literature with activities growing out of the literary selections studied. Topics covered include poetry, fiction and drama. Students registering in this course should have successfully completed ENG-0070 or equivalent, or have been placed at this level through an assessment test. Not available for supplemental. Instruction (5.0). Equivalent to ENG-085.

ENG-0090 English 0090 • 5 credits

A preparation for the writing requirements for entrance to many post-secondary programs. Topics covered are revising and editing ideas in a variety of academic and practical writing tasks, including a major research paper, sentence structure, grammar, and punctuation.

Students registering in this course should have successfully completed ENG-0080 or equivalent. Not available for supplemental. Instruction (5.0). Equivalent to ENG-090.

ENG-0095 English 0095 • 5 credits

An exploration into developing an appreciation for literature and to acquire the skills of critical analysis and synthesis of ideas. Topics covered include the elements of fiction and non-fiction, poetic techniques, and conventions of drama. Students will read a variety of literature and both discuss and write short essays describing their responses, analyzing the work, or arguing a position related to an author's ideas. Students registering in this course should have successfully completed ENG-0090, RDG-0096, or equivalent, or have been placed at this level through an assessment test. Not available for supplemental. Instruction (5.0). Equivalent to ENG-095.

ENG-1133 English Fundamentals 3 credits

An introduction to writing fundamentals focused on extensive discussion, practice and testing on spelling, punctuation, sentence structure and grammar, including parts of speech, sentence types and patterns, verbals, modifiers, parallelism, and other topics. Students must master these fundamentals of writing, Canadian spelling and word usage in order to succeed in the administrative office professional field. Not available for supplemental. Instruction (3.0). Equivalent to ENG-133.

ENG-1142 English for Allied Health 1.5 credits

This course covers general writing skills required for a career in Allied Health Services. Students will develop the ability to write memos, business letters, short reports, summaries, resumes and cover letters. They will review effective interview skills and be introduced to basic library research and online research skills. Not available for supplemental. Instruction (3.0). Equivalent to ENG-142.

ENG-1146 Technical Report Writing 3 credits

This course will focus on the essential technical writing skills that specifically relate to the duties of Enforcement Officers. An emphasis will be placed on report writing, data collection, communication

memos and the appropriate use of grammar including syntax and semantics associated with properly written documents. Instruction (3.0). Equivalent to ENG-146.

ENG-1150 Composition • 3 credits

This first-year composition course provides students with a solid grounding in the concepts and strategies of academic writing. As they read and analyze texts from a range of disciplines, students will learn to write discourse that reflects the expectations of their specific fields of study. The course will focus on processes that help students develop their thinking with evidence and present their ideas in a clear prose style. Not available for supplemental. Instruction (3.0). Equivalent to ENG-150.

ENG-1154 Writing for Technologists 3 credits

Students will develop communication skills necessary for writing various types of documents encountered in industry. This includes correspondence such as e-mail, memos and letters. Students will also develop analytical and research skills necessary for writing summaries, informal reports such as progress and incident reports, and formal research reports. Resumes and cover letters will also be covered. Not available for supplemental. Instruction (3.0). Equivalent to ENG-154, ENG-143.

ENG-1155 Scientific & Technical Writing 3 credits

This course prepares students for writing in the environmental science field. Students will develop research skills and become familiar with scientific and technical journals, indexes, and abstracts. Students will also learn to write scientific and technical reports (following the CSE style manual), summaries, descriptive/informative abstracts, business letters, memos, and a mailable resume and cover letter. Not available for supplemental. Instruction (3.0). Equivalent to ENG-155. Prerequisite courses: Take BIO-1163 (Required, Concurrent).

ENG-1156 Business Writing • 3 credits

An introduction to the technical skills required for effective business writing. Assignments will cover topics from basic business letters to informal and short business reports. Not available for supplemental. Instruction (3.0). Equivalent to ENG-156.

Course Descriptions ENG 1165 - ENG 2265

ENG-1165 Intro to Creative Writing 3 credits

This course is an elective for students or would-be-writers in the greater community who wish to develop their creative potential beyond the confines of traditional non-fiction genres such as the essay and freelance article. The focus is on the genres of poetry, fiction, and drama/creative non-fiction. Class time is divided between lecture/discussion and workshop analysis of student works. Students will be expected to complete set assignments within each of the three chosen genres and will be encouraged to attend local readings sponsored by the Canada Council, where they will have the opportunity to meet and discuss the work of professional creative writers. Service Learning opportunity may be available. Not available for supplemental. Instruction (3.0). Equivalent to ENG-165, HUM-152.

ENG-1168 Business Communication 3 credits

A skills based approach to various forms of written, verbal and electronic business communication. Emphasis is on developing a strong understanding of your purpose and audience, determining the most effective means, and preparing highly effective communication to achieve that purpose. Not available for supplemental. Instruction (4.0).

ENG-1175 Writing in the Public Safety Industry • 3 credits

An introduction to writing clearly and concisely, while applying public safety standards. Emphasis on mastery of grammar, punctuation and word usage. Handwritten documents, recording descriptions of events for public safety reports and APA standards are also addressed. Not available for supplemental. Instruction (3.0). Equivalent to ENG-175.

ENG-1176 English Composition II 3 credits

This course emphasizes the need for effective written communication in the law enforcement field. Clear, concise and accurate writing is stressed, including mastery of basic grammar. The course provides thorough review, practice, and feedback on writing skills. It covers general writing skills necessary for careers in the Criminal Justice system. Specifically, the content is a reinforcement of grammar and spelling skills, as a continual preparation for police applicant exams and essay writing skills.

Some assignments closely follow current law enforcement agencies' English testing procedures. Other written assignments reflect business communication skills required by practitioners in the law enforcement field. The course introduces library research techniques, enabling students to access and work with the professional literature in the Criminal Justice field. Business letters and application forms applicable for law enforcement positions comprise the remainder of the course content. Not available for supplemental. Instruction (3.0). Equivalent to ENG-176. Requisite courses: Take ENG-1175 (Required, Previous).

ENG-1180 Survey of Canadian Literature 3 credits

This course introduces students to the Canadian literary tradition through a sampling of major authors and their works in the three main literary genres of poetry, fiction and drama. Some early works will be considered; however, emphasis will be on the significant works of the twentieth and twenty-first centuries. Works are chosen primarily from English-Canadian authors. Works and authors will be discussed in the context of major trends in Canadian literature, such as the development of Modern and Post-Modern styles of writing. In addition, some major themes and concerns predominant in Canadian literature will be considered. Students will read assigned poems, short stories, novels and plays. In addition, they will be required to seek out and read considerable critical commentary and other resource materials. Students will write tests on each course unit, as well as essays of literary analysis and interpretation. Service Learning opportunity may be available. Not available for supplemental. Instruction (3.0). Equivalent to ENG-180.

ENG-1185 Writing for Children and Young Adults • 3 credits

This writing course may appeal to any would-be-writer in the greater community who wishes to take a three-credit course in creative writing for children and young adults. The focus is on writing traditional literature (folktales, myths, fables, legends and hero tales, folk epics), alphabet/counting books, wordless books, picture books, light verse, juvenile and young adult fiction and non-fiction. In order to be successful in this course, students should have completed Grade 12 English or equivalent. Not available for supplemental. Instruction (3.0). Equivalent to ENG-185.

ENG-1190 Intro to Language & Literature 3 credits

This course introduces students to English studies at the post-secondary level. The course focuses on exploring language in written texts, particularly short prose fiction and non-fiction, as well as poetry. Students will increase their awareness of different uses of language and rhetorical strategies as they respond to and interpret literature, analyse readings, and develop their own essays, including an academic research paper. Not available for supplemental. Instruction (3.0). Equivalent to ENG-190.

ENG-2260 Intro to Dramatic Literature 3 credits

This course is an introduction to dramatic literature and its development in the European tradition. Starting with Ancient Greece and moving forward to the present day, this course surveys the theatre of the Ancient Classics through to the movements of the modern and postmodern stage. Plays are read both as literary works that establish meaning independent of production and as works meant for theatrical production. In consideration of the latter, the history of each play's production is examined, along with the social contexts in which each play first appeared. Consideration is also given to how each play fits into the major genres of drama and how each uses or misuses the traditional elements of drama. Film versions and live productions of various plays supplement the student's understanding and experience of the plays discussed in class. Not available for supplemental. Instruction (3.0). Equivalent to ENG-260.

ENG-2265 Native American Literature 3 credits

Survey of North American Native literature will examine several genres that can include traditional stories, fiction, poetry, drama, history, autobiography, essays, and speeches. Addresses concepts, approaches, and debates that inform the production and study of Aboriginal literatures. Starts with exploring the oral tradition as a basis to storytelling. Analyzes the roles stories have always played in shaping and reflecting Aboriginal identities, communities, and histories. Not available for supplemental. Instruction (3.0). Requisite courses: Take ENG-1150 or ENG-1190 (Required, Previous).

Course Descriptions ENG 2285 - ENV 3397

ENG-2285 Children's Literature **3 credits**

This course introduces the student to the historical development and evolution of children's literature, examining both fictional genres such as folklore, fantasy and realistic works, poetic genres including nursery rhymes, nonsense verse, traditional rhyme and free verse. Classical and contemporary works such as picture books, fairy tales and adventure books will be included in the selection of texts for the course. Themes of self and society, multiculturalism, alienation and family will be examined in both a national and international context. The stages of child development as they relate to children's literary genres will also be explored. Not available for supplemental. Instruction (3.0). Equivalent to ENG-285. Requisite courses: Take ENG-1150, ENG-1180, or ENG-1190 (Required, Previous).

ENG-2290 Writing for the Screen **3 credits**

Everyone has a story to tell, but not everyone has the requisite skills of a storyteller. Before you can tell your story effectively, you need to learn how others have told their stories. ENG290: Telling Stories I is dedicated to exploring the theory of narrative and its practice in select novels, short stories and films. The narratives studied are organized around a particular theme such as identity, progress, and ritual. The course examines how the theory of narrative is in conversation with the practice of narrative encountered in the theme-organized sample of literature and film and encourages students to locate their own creative practices in this conversation. The course culminates with each student proposing an original screenplay arising out of their discoveries of narrative and its evolution. This 3-credit course is complemented by a second 3-credit course, CMM295: Telling Stories II, where the student's original screenplay is produced in the form of a four-minute short film. Not available for supplemental. Instruction (3.0). Equivalent to ENG-290. Requisite courses: Take any one of ENG-1150, ENG-1190, HUM-1190, CAP-1161, or WRI-1150. (Required, Previous).

(ENV) ENVIRONMENTAL SCIENCES

ENV-2265 Parks & Recreation Operations • 3 credits

An introduction to field management, operations and maintenance procedures common to provincial and federal park systems. Emphasis is placed on operational prescriptions and related strategies for ensuring the integrity of the land base, visitor facilities and services, and public safety. A field trip is a required component of this course. Not available for supplemental. Instruction (3.0), Lab (2.0). Equivalent to ENV-265. Requisite courses: Take ENV-2265L (Required, Concurrent).

ENV-2280 Contaminant Management **3 credits**

This course is an introduction to the fundamentals of managing a variety of contaminated sites. Topics include causes of contamination and chemical analysis and identification of contaminants. Site assessment techniques such as site mapping and sampling are undertaken in relation to human health and safety precautions. Not available for supplemental. Instruction (3.0), Lab (2.0). Equivalent to ENV-280. Requisite courses: Take CHM-1155, CHM-2255 (Required, Previous). Take ENV-2280L (Required, Concurrent).

ENV-2290 Site Restoration • 3 credits

Preventative and control methods associated with the operational phases of resource projects such as mining and logging, including road drainage design will be examined. Reclamation, restoration and rehabilitation methods used during post-operational and decommissioning of resource projects will also be discussed. Performance measurements, monitoring, and reporting techniques will be investigated. Not available for supplemental. Instruction (3.0), Lab (2.0). Equivalent to ENV-290. Requisite courses: Take RRM-2253, RRM-2256 (Required, Previous). Take ENV-2290L (Required, Concurrent).

ENV-3355 Environmental Quality **3 credits**

This course will provide a global environmental perspective on topics affecting environmental health. It will focus on biological impacts on soil, water and air. Topics covered will include pollution, air quality, global environment change, bio-indicators, global forest decline,

carbon sequestration, industry impacts, and alternate energy. The objective is to give students a global perspective on the environment, changes that have occurred and solutions to these changes. Instruction (3.0). Equivalent to ENV-355.

ENV-3372 Environmental Policy **3 credits**

The formation, development and application of environmental policy will be the focus of this course. Linkages between the scientific foundation, current legislation and laws, and standards that exist, that lead to preservation and protection of the environment and natural resources will be investigated. Not available for supplemental. Instruction (3.0).

ENV-3381 Environmental Water Quality **3 credits**

An examination of physical, chemical and biological aspects of evaluating water for a variety of end purposes. Topics include the introduction and practice of various analysis techniques. Not available for supplemental. Instruction (3.0), Lab (2.0). Equivalent to RRM-2281, RRM-281. Requisite courses: Take ENV-3381L (Required, Concurrent).

ENV-3383 Environmental Physics **3 credits**

A theoretical, laboratory, and field techniques approach to the study of soil physics for land resource management, soil remediation, agriculture, and forestry. Topics include soil physical properties that determine retention and movement of liquids in soils, soil temperature, soil aeration, soil strength, soil compaction and consolidation. Not available for supplemental. Instruction (3.0), Lab (2.0). Requisite courses: Take ENV-3383L (Required, Concurrent).

ENV-3397 Environmental Assessment & Auditing • 3 credits

Introduces the basic principles of provincial and federal environmental impact assessments (EIA) in Canada. Processes, standardized methods and techniques used to predict, evaluate and mitigate potential environmental effects are emphasized. Not available for supplemental. Instruction (3.0), Lab (2.0). Equivalent to ENV-2297, ENV-297. Requisite courses: Take ENV-3397L (Required, Concurrent).

Course Descriptions ENV 4450 - ESL 0056

ENV-4450 Senior Project I • 3 credits

This course will be a capstone project that incorporates the skills, knowledge and techniques obtained in previous courses into an original research project. Students are encouraged to seek opportunities with industry partners and attempt to answer real world problems. This course will focus on project planning and methodology development and will lead to the ENV-4451 Senior Project II. Not available for supplemental. Instruction (3.0).

ENV-4451 Senior Project II • 3 credits

This course will be a capstone project that incorporates the skills, knowledge and techniques obtained in previous courses into an original research project. Students are encouraged to seek opportunities with industry partners and attempt to answer real world problems. This course will focus on data collection, analysis and presentation and will build on ENV-4450 Senior Project I. Not available for supplemental. Instruction (3.0).

ENV-4452 Contaminated Site Management • 3 credits

Legal and science-based considerations applied to effective management of contaminated sites. Best practice applications of physical, chemical, and biological methods to mitigate and remediate contaminated sites. Comprehensive methods for remediation of organic and inorganic pollutants as well as physicochemical impacts are included with the objective of achieving regulatory compliance. Not available for supplemental. Instruction (3.0), Lab (2.0). Requisite courses: Take ENV-4452L (Required, Concurrent).

ENV-4453 Stream Reclamation & Remediation • 3 credits

This course applies hydrology, streamflow mechanics and physical fish habitat enhancement methods to the reconstruction of damaged stream channels and the restoration of their physical and ecological integrity. A major component of the course requires students to design an integrated rehabilitation plan from field and map surveys, and hydrological data collection. Not available for supplemental. Instruction (3.0), Lab (2.0). Requisite courses: Take ENV-4453L (Required, Concurrent).

(ESL) ENGLISH AS A SECOND LANGUAGE

ESL-0029 Study and Work Success II 3 credits

This course is offered to ESL students 5 hours per week and runs concurrently with the ESL Credit program. Students will learn study skills which will assist them in being successful students. They will also learn how to find and retain jobs in the Canadian workplace. This course offers more ESL studies at this level over a longer timeframe. The course is compulsory for funded students. Instruction (5.0). Equivalent to ESL-029.

ESL-0035 ESL Grammar Level 1 3 credits

Basic sentences in English are formed using nouns, verb tenses, adjectives, adverbs as well as other main parts of speech. Using functional materials, a variety of classroom- and community-based activities encourage real language usage. Not available for supplemental. Not eligible for Prior Learning Assessment. Instruction (4.0).

ESL-0036 ESL Reading Level 1 3 credits

Focus is on learning to understand texts through pre-reading, vocabulary development, reading and post-reading activities. The skills of skimming, scanning, and guessing new vocabulary through understanding the context, finding the topic and main idea, and making inferences are developed. Not available for supplemental. Not eligible for Prior Learning Assessment. Instruction (4.0).

ESL-0037 ESL Writing Level 1 3 credits

Focus is on writing simple sentences and paragraphs related to a sequence of events, describing a picture or person and using appropriate conventions in salutations and closings in personal letters. Rules for basic writing mechanics are introduced. Not available for supplemental. Not eligible for Prior Learning Assessment. Instruction (4.0).

ESL-0038 ESL Communication Level 1 3 credits

Topics of interest and interactive exercises are used to develop speaking and listening skills in many different contexts. Not available for supplemental. Not eligible for Prior Learning Assessment. Instruction (4.0).

ESL-0045 ESL Grammar Level 2 3 credits

Building upon the grammar presented in level 1, this course emphasizes basic structures as well as some variations and their semantic differences. Not available for supplemental. Not eligible for Prior Learning Assessment. Instruction (4.0).

ESL-0046 ESL Reading Level 2 3 credits

Skills-based materials are used to develop and expand on reading skills. Authentic and interest-related texts as well as graded readers (novelettes) reinforce increased reading fluency. Not available for supplemental. Not eligible for Prior Learning Assessment. Instruction (4.0).

ESL-0047 ESL Writing Level 2 3 credits

Rules for correct usage of basic writing mechanics are used to produce correctly formatted personal and formal letters, notes, email and phone messages. More detailed paragraphs related to a sequence of events or descriptions of a person or picture are produced. Not available for supplemental. Not eligible for Prior Learning Assessment. Instruction (4.0).

ESL-0048 ESL Communication Level 2 3 credits

Focus is on vocabulary related to everyday topics in conversation and discussion format, practicing public speaking skills, both prepared and impromptu, listening to conversations presented in different accents and answering comprehension questions. Not available for supplemental. Not eligible for Prior Learning Assessment. Instruction (4.0).

ESL-0055 ESL Grammar Level 3 3 credits

Focus is on more complex verb tenses and different parts of speech, including past, present and future modal verbs, and comparative and superlative adjectives. Not available for supplemental. Not eligible for Prior Learning Assessment. Instruction (4.0).

ESL-0056 ESL Reading Level 3 3 credits

Thematically based units focus on key reading skills. Skills-based texts as well as a variety of authentic and high interest texts support students to become more confident and increasingly fluent readers. Not available for supplemental. Not eligible for Prior Learning Assessment. Instruction (4.0).

Course Descriptions ESL 0057 - ESL 0096

ESL-0057 ESL Writing Level 3 3 credits

Focus is on writing one paragraph compositions in a variety of styles and situations, including descriptive, narrative, personal situations and the sequencing of events. Not available for supplemental. Not eligible for Prior Learning Assessment. Instruction (4.0).

ESL-0058 ESL Communication Level 3 3 credits

Skills developed include how to open, close and respond to casual small talk, carry on basic phone conversations, give and understand simple instructions, explain everyday activities, express preferences, satisfaction or dissatisfaction, use idiomatic expressions and present a speech or PowerPoint presentation. Not available for supplemental. Not eligible for Prior Learning Assessment. Instruction (4.0).

ESL-0065 ESL Grammar Level 4 3 credits

Building on the fundamentals, more complex structures including the passive voice and the use of gerunds and infinitives are introduced. Not available for supplemental. Not eligible for Prior Learning Assessment. Instruction (4.0).

ESL-0066 ESL Reading Level 4 3 credits

A variety of reading materials ranging from the short story to newspapers and magazine articles are utilized. Development processes include pre-reading discussions, skimming, determining the main idea and supporting details, preparing graphic organizers and word webs, making predictions, and writing personal responses to readings. Not available for supplemental. Not eligible for Prior Learning Assessment. Instruction (4.0).

ESL-0067 ESL Writing Level 4 3 credits

Preparation for academic writing is highlighted. Focus is on writing a variety of well-developed paragraphs with appropriate topic, body and concluding sentences and distinguishing between purpose and audience for personal, academic and business correspondence. Not available for supplemental. Not eligible for Prior Learning Assessment. Instruction (4.0).

ESL-0068 ESL Communication Level 4 3 credits

Vocabulary building (including idioms) and expanding strategies to improve critical listening skills and speaking fluency are emphasized to enhance verbal communication in the workplace or school and for personal purposes. Not available for supplemental. Not eligible for Prior Learning Assessment. Instruction (4.0).

ESL-0075 ESL Grammar Level 5 3 credits

Grammatical structures studied in previous levels are comprehensively reviewed. Emphasis is placed on idiomatic expressions, phrasal verbs and prepositional phrases. Not available for supplemental. Not eligible for Prior Learning Assessment. Instruction (4.0).

ESL-0076 ESL Reading Level 5 3 credits

Vocabulary is increased by reading intermediate ESL texts, articles from the internet, magazines and newspaper. A novel and reading projects related to the novel are completed. Not available for supplemental. Not eligible for Prior Learning Assessment. Instruction (4.0).

ESL-0077 ESL Writing Level 5 3 credits

Multiple-paragraph compositions on different topics using various writing styles are practiced. Essay format is introduced. Writing simple, compound and complex sentences are mastered. The use of select phrasal verbs in writing is covered. Not available for supplemental. Not eligible for Prior Learning Assessment. Instruction (4.0).

ESL-0078 ESL Communication Level 5 3 credits

Building on the basics presented in previous courses, listening and speaking skills are further developed in a variety of different contexts including the delivery of brief presentations on academic topics. Not available for supplemental. Not eligible for Prior Learning Assessment. Instruction (4.0).

ESL-0085 ESL Grammar Level 6 3 credits

Focus is on complex structures commonly used in college level papers. Included are various types of conditional sentences, reduced adverb clauses, and cause and time subordinators. Not available for supplemental. Not eligible for Prior Learning Assessment. Instruction (4.0).

ESL-0086 ESL Reading Level 6 3 credits

Skills and strategies to improve academic vocabulary are developed. Predicting, skimming, scanning and inferencing skills continue to be practiced. Not available for supplemental. Not eligible for Prior Learning Assessment. Instruction (4.0).

ESL-0087 ESL Writing Level 6 3 credits

Emphasis is on writing formal one to five paragraph compositions in a variety of styles and situations including descriptive, narrative, comparisons and processes. The use of adverbial, adjectival and noun clauses and connectors such as conjunctions, adverbials and subordinators are also covered. Not available for supplemental. Not eligible for Prior Learning Assessment. Instruction (4.0).

ESL-0088 ESL Communication Level 6 3 credits

In preparation for college level courses, the focus is on pronunciation, listening to speeches, note taking, giving presentations and working in groups. Not available for supplemental. Not eligible for Prior Learning Assessment. Instruction (4.0).

ESL-0095 ESL Grammar Level 7 3 credits

Previous learning is reviewed with an in-depth look into subtle semantic variations of the English language. A wide range of structures including common idiomatic expressions, phrasal verbs and the use of the subjunctive are covered. Not available for supplemental. Not eligible for Prior Learning Assessment. Instruction (4.0).

ESL-0096 ESL Reading Level 7 3 credits

Focus is on the comprehension of material from advanced ESL texts and advanced vocabulary from a variety of sources including the Academic Word List. A novel study and an independent reading project are completed. Not available for supplemental. Not eligible for Prior Learning Assessment. Instruction (4.0).

Course Descriptions ESL 0097 - FSP 1161

ESL-0097 ESL Writing Level 7 3 credits

Focus is on writing various types of essays such as recounting a story, procedural writing, persuasive writing, narratives and letters. Writing demonstrates the use of agreement, parallelism and direct and indirect speech. Not available for supplemental. Not eligible for Prior Learning Assessment. Instruction (4.0).

ESL-0098 ESL Communication Level 7 3 credits

Emphasis is on oral discussions, vocabulary expansion, following and comprehending extended verbal lectures, taking effective notes, and participating and contributing effectively in class discussion on academic topics. Not available for supplemental. Not eligible for Prior Learning Assessment. Instruction (4.0).

(ETS) TECHNOLOGY STUDIES

ETS-1151 Intro to Technology Studies 3 credits

This course covers the impact of technology on society, environmental issues, sustainable development, workplace safety, historical perspective and future trends. Instruction (4.0). Equivalent to ETS-151.

(FAD) FIRST AID

FAD-1150 Safety Oriented First Aid/CPR 1.5 credits

This course provides comprehensive training in airway management including artificial respiration and treatment for choking. Control of bleeding for adults, children and infants is covered as well as treatment and prevention of shock, immobilization of broken bones, recognition and treatment of heart attack and stroke, infant-child and adult CPR, and an introduction to AED's (Automated External Defibrillator). National Standard First Aid Certification (valid for three years) is recognized by Alberta Occupational Health and Safety and is awarded upon successful completion of the course. Instruction (2.0). Equivalent to FAD-150.

(FAS) FETAL ALCOHOL SPECTRUM DISORDER

FAS-1150 Introduction to FASD 1.5 credits

This course provides students with an introduction to the challenges faced by individuals living with the effects of prenatal alcohol exposure and those of their families, support workers and

communities. Students will discuss the national and international prevalence of Fetal Alcohol Spectrum Disorder (FASD), associated terminology and diagnostic processes. An extensive review of the primary characteristics of the disability and how they present throughout the lifespan will be covered. The importance of early diagnosis, access to community resources and interventions focusing on lifelong supports will be emphasized. Not available for supplemental. Instruction (1.0). Equivalent to FAS-150.

(FSP) FASHION DESIGN AND SUSTAINABLE PRODUCTION

FSP-1150 Fashion Illustration • 3 credits

An introduction to drawing applications for basic concepts of apparel design and layout through research and projects; projects demonstrate colour theory and the elements and principles of design to accurately depict garment construction and textile rendition. An exploration of various types of fashion drawing including illustration and computerized technical drawing on industry standard fashion figures, utilizing drawing as an effective communication tool. Not available for supplemental. Instruction (3.0). Equivalent to FDM-2201, FDM-201.

FSP-1151 Technical Fashion Drawing 1.5 credits

An introduction to the creation of technical drawings, flats, using Adobe illustrator software. Accurate communication of garment construction details, colouring and filling in of flats, and the creation of a flats library are explored. Manipulation of software, utilization of stitch libraries assist in gaining efficiency and speed in technical drawing. Technical writing is explored. Not available for supplemental. Instruction (3.0).

FSP-1152 Market Analysis Fashion Design • 3 credits

An introduction to marketing theories, target market research, consumer research, and niche markets as pertaining specifically to the apparel industry. Strategies to solve design problems are explored through research, storyboard production, original designs for specific target markets, and portfolios. An interconnection of marketing to the design process and discussions of design challenges to satisfy market needs are explored. Not available for supplemental. Instruction (3.0).

FSP-1153 Apparel Industry • 1.5 credits

An overview of the organization, sectors, and categories of the apparel industry within Canadian and global apparel industries. Evolving consumer and environmental factors impact on the fashion industry is explored through trend evolution, and research of Canadian fashion designers, international fashion designers, apparel companies and organizations. A survey of the wide variety of careers available within each sector of the industry is developed. Not available for supplemental. Instruction (3.0).

FSP-1155 Global Textile Applications 1.5 credits

An introduction to the world of fibres and fabric with an overview of the interrelation of the global textile complex, including fibre production through to spinning, weaving, finishing, design, and manufacturing. Includes a study of natural, synthetic, and regenerated fibres and fabric structure. The historic, social, economic, and environmental impact of textiles is discussed; as are textile aspects of serviceability. Not available for supplemental. Instruction (3.0). Equivalent to FDM-1155, FDM-155.

FSP-1160 Style Evolution • 3 credits

A historical survey of the development of clothing within Western civilization from antiquity to present. An understanding of the past is developed to more fully interpret today's styles. An overview of architecture, interior design, industrial design, furniture, art, and politics pertaining to and influencing clothing development is explored. Research of specified topics and creation of a file of reference material is developed. Not available for supplemental. Instruction (3.0).

FSP-1161 Computer Applications Apparel Industry • 1.5 credits

Advanced techniques in Adobe Illustrator developed, building upon skills learned in Technical Fashion Drawing and Fashion Illustration. Also, computer software used widely in the apparel industry including Microsoft Office programs and the Adobe Suite are introduced. Concept boards, computer generated drawings, flats, colourways, design and spec sheets, costing sheets and webpages are developed. Not available for supplemental. Instruction (3.0). Equivalent to PAT-2267, PAT-267. Requisite courses: Take FSP-1151 (Required, Previous).

Course Descriptions FSP 1162 - FSP 2256

FSP-1162 Sample Room Production 3 credits

Intermediate level of industrial sewing and pattern drafting involved in the development of garments used for samples in the apparel industry. Building upon pattern drafting block manipulation and garment construction techniques for pants, tops, and dresses; production of samples. Specification sheets and measurements for industry production methods are introduced. A variety of assessments included to develop a critical eye for precision and quality. Not available for supplemental. Instruction (6.0). Requisite courses: Take FSP-1170 (Required, Previous).

FSP-1163 Trend Analysis and Product Development • 3 credits

An intermediate level to build upon target market knowledge with analysis of trends; an overview of trend forecasting sources and strategies are explored and built upon. Interpretation of trends for various target markets, choosing suitable trends for niche markets, and successful design of appropriate apparel for the industry are discussed. Sketchbooks, journaling, presentation techniques, research, and design boards are developed. Not available for supplemental. Instruction (3.0). Requisite courses: Take FSP-1152 (Required, Previous).

FSP-1164 Product Management 3 credits

The study of merchandising and sales techniques from wholesale through to retail. Discussions connect product line development to sales and merchandising; the importance of integrating merchandising and design to drive sales; ordering, product buying, and vendor negotiations on a wholesale level are included. Retail work experience is explored, researched, and analyzed. Not available for supplemental. Instruction (3.0).

FSP-1170 Intro to Industrial Sewing & Drafting • 6 credits

An introduction to industrial sewing and drafting equipment and industry standard techniques. Consideration for relationship between efficiency and cost. Mass production sewing and flat pattern drafting techniques explored to enable efficient accurate work on a variety of samples.

Half-scale industry patterns are drafted through manipulation of blocks creating various styles. Patterns are analyzed, fit, and adjusted through muslins. Explore design, drafting and construction through an industry standard skirt; analyze quality and construction of ready-to-wear garments. Not available for supplemental. Instruction (6.0).

FSP-2250 Sustainable Fashion 3 credits

Discussion series concerning interconnected relationship between people, profit and processes in the apparel industry and impact these areas have socially, economically and environmentally. An exploration of theories on sustainable business practices; opportunities for research of innovative Canadian and international companies in the apparel industry. Further research and analyzing of political and economic issues surrounding sustainability is introduced. Not available for supplemental. Instruction (3.0). Requisite courses: Take FSP-1153 (Required, Previous).

FSP-2251 Computer Pattern Drafting 1.5 credits

Introduction to computerized pattern drafting and pattern drafting system used to develop block patterns and alter stock patterns. Advanced applications and customized techniques in computerized pattern drafting explored. Emphasis on use for garment and sewn product manufacturers. Intermediate exploration of pattern manipulation, pattern grading, specifications, marker making to industry standards. Computer-generated patterns created out of student designs. Not available for supplemental. Instruction (3.0). Requisite courses: Take FSP-1151, FSP-1162 (Required, Previous).

FSP-2252 Production Techniques 3 credits

Advanced level of sewing and design for the apparel industry. Development of industry standard efficiency techniques for cost effective production. Construction of a variety of samples in conjunction with expanded skills to work with specialty fabrics, both natural and synthetic. Development of techniques for the construction of industry standard suits and jackets established.

Students design and construct a suit or coat. Not available for supplemental. Instruction (3.0). Requisite courses: Take FSP-1162 (Required, Previous).

FSP-2253 Pattern Manipulation & Draping • 3 credits

A skills based exploration of advanced pattern drafting techniques with emphasis on accuracy and speed in drafting. Advanced draping techniques focus on specialty fabrics requirements. Jackets, coats, and suits drafted according to course specifications. Theory and application of grading patterns to multiple sizes is included. Development of a half-scale reference book for grading pants, skirts, dresses, tops, and jackets. Not available for supplemental. Instruction (3.0). Requisite courses: Take FSP-1162 (Required, Previous).

FSP-2254 Logistics and Sourcing 1.5 credits

An overview of apparel sourcing and logistic methods and issues. Globalization of the apparel industry is researched. Areas of emphasis include sourcing raw materials, labour costs, finished goods, movement and ordering of goods; domestic and international. Analyze and apply to practical assignments theory gained on International Trade agreements, trade zones, complexities, and global sourcing. Not available for supplemental. Instruction (3.0).

FSP-2255 Manufacturing and Production 1.5 credits

An overview of production methods used in the apparel industry. Strong emphasis is placed on developing organizational and managerial skills needed to work within an organization. Other areas of study include factory layout, floor management, timed production, and quality control, as well as personnel management. Case studies, technical packages, social and labour issues within factories are discussed. Not available for supplemental. Instruction (3.0). Requisite courses: Take FSP-1170 (Required, Previous).

FSP-2256 Design and Product Knowledge • 1.5 credits

Exploration of dye and print applications and aesthetic and functional finishes for textiles. Various textiles, sustainable fabrics and practices, care and labeling according to the Textile Labeling Act, the impact of the textile industry on the environment, the economy and people are discussed.

Course Descriptions FSP 2260 - FWK 2252

An overview of textile traditions from different cultures is researched. Students produce designed and created textile samples relating to aspects of serviceability. Not available for supplemental. Instruction (3.0). Requisite courses: Take FSP-1155 (Required, Previous).

FSP-2260 Industry Independent Research • 3 credits

A research-based capstone course that involves independent research in the fashion industry; topics are in conjunction with student personal career goals. Research aligns with Fashion Internship to prepare effectively for the fast paced apparel industry. An emphasis on critical self-analysis, strong time management skills, research methodology, and personal growth. Advanced portfolio development techniques combined with technology; online presence explored. Not available for supplemental. Instruction (3.0). Requisite courses: Take FSP-1152 (Required, Previous).

FSP-2261 Line Development & Production • 6 credits

A skills based capstone course that culminates in original student designed, drafted, sewn, and professionally finished sample lines for chosen target markets. Knowledge from previous courses are integrated in market research, development of marketing material, specification packages, costing sheets, and individual line production schedules. Garments are fitted on models; sample lines are critiqued and showcased in a fashion show. Not available for supplemental. Instruction (6.0). Requisite courses: Take FSP-1163, FSP-2251, FSP-2252, FSP-2256 (Required, Previous).

FSP-2262 Fashion Promotion & Event Planning • 3 credits

Overview of the fashion industry, public relations, promotion, marketing and strategies of implementation. Focus on analyzing event planning, production of live fashion-based event, compilation of marketing materials in conjunction with Line Development and Production. Written and oral skills are developed; networking is emphasized. Assessment includes evaluation of team performance and roles and relationships within companies. Not available for supplemental. Instruction (3.0). Requisite courses: Take FSP-1153 (Required, Previous).

FSP-2263 Applied Apparel Production 3 credits

Practical application of skills from earlier courses focused to increase efficiency and deliver product at a profit. Emphasis is on specification packages, computer-aided drafting, grading, market making; also methods of organizing factory layout, floor management, production standards, costing, production and quality control, personnel management. Assessment includes evaluation of team performance and analysis of roles and relationships within apparel companies. Not available for supplemental. Instruction (3.0). Requisite courses: Take FSP-2255 (Required, Previous).

FSP-2268 Fashion Internship • 6 credits

Optional capstone course is the culmination of the diploma program. Application and integration of skills established in previous courses combine with real-world experience to further growth and a continuation of learning opportunities, as applied experience in the apparel industry. Networking, building relationships within the industry with real life application for mentorship; developing portfolio experience and establishing a presence in the apparel industry. Students completing this course will receive a Letter of Recognition. Not available for supplemental. Work Experience (.). Requisite courses: Take FSP-2260, FSP-2261, FSP-2263 (Required, Previous).

(FWK) FIELD WORK

FWK-1125 Automotive Field Work 1.5 credits

One week will be spent in an automotive shop setting with a work-site based experience host. The student will be exposed to industry demands and conditions. Graduates will prepare a complete resume, application and cover letter. Not available for supplemental. Work Experience (.). Equivalent to FWK-125. Requisite courses: Take AST-1116 and AST-1122 (Required, Previous).

FWK-1160 Field Placement I • 1.5 credits

This course is a general practicum designed for exposure to a variety of children with near-code or coded academic difficulties. Students in this practicum focus on adjusting to a professional school environment with reporting protocols to the teacher emphasized. Students will use their developing skills to make objective observations while helping in the classroom and reflect on their helping skills.

Learning to record in an objective manner is an important part of this practicum. Students are expected to act and behave in a professional manner within the school environment. Students will be placed in schools in the community and surrounding areas. Integration seminars will give students opportunities to discuss and analyze experiences in their placement settings. Not available for supplemental. Work Experience (.). Equivalent to FWK-160.

FWK-1163 Field Placement II 1.5 credits

This is a focused practicum designed for exposure to a specific near-code child or coded child in an individual or small-group assignment. Students in this practicum will refine their observation and recording skills and focus on the academic skills needed by the child they are supporting, always using the reporting protocol to the teacher. They will learn the balance between individual assignments and full-classroom assistance. Students will be placed in schools in the community and surrounding areas. Integration seminars will give students opportunities to discuss and analyze experiences in their placement settings. Not available for supplemental. Not eligible for Prior Learning Assessment. Work Experience (.). Equivalent to FWK-163. Requisite courses: Take FWK-1160 (Required, Previous).

FWK-2250 Field Work • 3 credits

An on-the-job learning experience for students, designed to encourage them to recognize and describe, in writing, the link between their work experience and their academic training. Prior relevant and appropriate work experience may be used. Requires approximately 150 hours of practicum work. Not available for supplemental. Work Experience (.). Equivalent to HOS-250, FWK-250.

FWK-2252 Work Experience • 3 credits

This course is a practicum to expose the geomatics student to the broad spectrum of geomatics. Students are provided an opportunity to work and perform duties associated to their field of study. Not available for supplemental. Work Experience (.). Equivalent to FWK-252.

Course Descriptions FWK 2253 - GEO 1185

FWK-2253 Managed Internship 3 credits

An application of acquired technical, professional and troubleshooting skills in a workplace environment within the multimedia industry. This 120-hour internship provides real-world experience, support and mentoring. Emphasis is on company culture, exposure to clients, time and project management and professional growth. Work Experience (). Equivalent to FWK-253. Requisite courses: Take CMM-2291 (Required, Previous).

FWK-2260 Field Placement III 1.5 credits

An application to further expose students to academic strategies and experiences with a student with exceptionalities. Practicum students will focus on child-centered research and application of strategies under the guidance of a classroom teacher. Integration seminars will give students opportunities to discuss and analyze experiences in their placement settings. Not available for supplemental. Work Experience (). Equivalent to FWK-260. Requisite courses: Take FWK-1163 (Required, Previous).

FWK-2262 Field Placement IV 1.5 credits

In this final practicum, students will be placed in a variety of schools, including alternate schools in the community and surrounding areas. They will be expected to demonstrate the knowledge, skills and attitudes necessary as an Educational Assistant by applying the information learned in all of their classes. Some specialization is available in the practicum, depending on the practicum site. Students will locate, summarize and utilize scholastically sound educational resources under the direction of the classroom teacher. Integration seminars will give students opportunities to discuss and analyze experiences in their placement settings. Not available for supplemental. Not eligible for Prior Learning Assessment. Work Experience (). Equivalent to FWK-262. Requisite courses: Take FWK-2260 (Required, Previous).

FWK-2272 Corrections Practicum I 3 credits

This course involves the first-hand observation of correctional practitioners at work in selected correctional settings. Placements will be in one-week blocks, or extended throughout the term, depending on the location. Ongoing contact between the faculty supervisor and the student, together with written reports, will ensure that a high degree of professional development occurs. Work Experience (). Equivalent to FWK-272, CJP-272.

FWK-2273 Corrections Practicum II 3 credits

This course involves the first-hand observation of correctional practitioners at work in selected correctional settings. Placements will be in one-week blocks, or extended throughout the term, depending on the location. Ongoing contact between the faculty supervisor and the students, together with written reports, will ensure that a high degree of professional development occurs. Work Experience (). Equivalent to FWK-273, CJP-273.

(GEO) GEOGRAPHY

GEO-1152 Geomatics Engineering Science • 3 credits

A study of the physical Earth as it relates to the recognition of landforms, hydrology, soils and human features on the Earth's surface. An introduction to the use of remote sensing in the identification of these features and the Unified System of soil identification classification. Not available for supplemental. Instruction (4.0), Lab (2.0). Requisite courses: Take GEO-1181, GEO-1152L (Required, Concurrent).

GEO-1156 Earth Sciences • 3 credits

An introduction to the processes that shape the landscapes of North America. It will include components of geology and geomorphology as they apply to the field of natural resource compliance. Not available for supplemental. Instruction (3.0), Lab (2.0). Requisite courses: Take GEO-1156L (Required, Concurrent).

GEO-1165 Geographic Information Systems • 3 credits

This course is an introduction to the basic functions of a geographic information system (GIS), the hardware and software components of a GIS and explores GIS applications in the resource management fields.

The lab component uses the ArcGIS program and its extensions to provide students with practical experience with the most popular GIS software. Students gather both spatial and attribute data using GPS technology, enter it into the computer, organize and manipulate it and then analyse it for spatial relationships. Not available for supplemental. Instruction (2.0), Lab (2.0). Equivalent to GEO-165, RRM-276. Requisite courses: Take RRM-1197 (Required, Previous). Take GEO-1165L (Required, Concurrent).

GEO-1166 Physical Geology • 3 credits

A study of the major topics of physical geology including earth surface changes, the Earth's interior and the dynamic forces that shape the Earth. Field trips are required for this course. Not available for supplemental. Instruction (3.0), Lab (2.0). Equivalent to GEO-166, RRM-266. Requisite courses: Take GEO-1166L (Required, Previous or concurrent).

GEO-1181 Geospatial Analysis I 3 credits

A study of the fundamentals of topographic maps, thematic maps and remotely sensed images for the purposes of identifying, interpreting, and measuring earth features. Map projection methods, map reference grids, interpretation of topographic features, map symbology, and photogrammetric principles are discussed and applied. Not available for supplemental. Instruction (6.0). Requisite courses: Take CAD-1160 (Required, Previous). Take GEO-1152 (Required, Concurrent).

GEO-1185 Geodetic Fundamentals 3 credits

An introduction to fundamental concepts of geodesy. A study of the concepts and methods concerned with the determination of the size and shape of the Earth. Topics of discussion include horizontal and vertical datum, gravity, centrifugal forces, different measurements of time, separation of the geoid and ellipsoid, deflection of the vertical, and different height systems. Global Navigation Satellite Systems (GNSS) will be introduced. Geodetic topics will be applied to GNSS and other geomatics applications. Not available for supplemental. Instruction (6.0). Equivalent to GEO-1182, GEO-182, GEO-180, GEO-270. Requisite courses: Take SUR-1150 (Required, Previous).

Course Descriptions GEO 2252 - GEO 3383

GEO-2252 Geographic Information Systems I • 6 credits

An introduction to the creation of maps (cartography) using Geographic Information Systems (GIS) technology. Topics explored include the properties of maps, theories of map projection distortion, historical development of mapping, database manipulation, digital file maintenance and common GIS applications. Students will use a geographic information system to solve problems and to create, modify and publish map data and graphics. Not available for supplemental. Instruction (8.0). Requisite courses: Take GEO-1152, GEO-1181 (Required, Previous).

GEO-2253 Land Planning • 3 credits

This course examines the planning process as it relates to the development of land. Topics include land planning policy and regulations, land development concepts, subdivision design and the requirements for subdivision plans. Students will participate in practical projects related to current land planning issues. Not available for supplemental. Instruction (4.0). Equivalent to GEO-253, GEO-250. Requisite courses: Take SUR-2264 (Required, Concurrent).

GEO-2255 Geographic Information Systems I • 3 credits

This course is an introduction to the concepts and applications of Geographic Information Systems (GIS). Topics include background, database development and applications, graphics, practical applications, file development and maintenance. Students will use a geographic information system to manipulate and modify data and graphics. Not available for supplemental. Instruction (1.0), Tutorial (2.0). Equivalent to GEO-255. Requisite courses: Take CAD-1155, CPU-1150 (Required, Previous). Take GEO-2255T (Required, Concurrent).

GEO-2256 Geographic Information Systems II • 1.5 credits

This course covers field application and analysis of geo-data using the latest collection technology and digital mapping and Geographic Information Systems (GIS). Field work will include Global Positioning Systems (GPS) data collection, raster and vector map creation and spatial and attribute data analysis. Instruction (2.0). Equivalent to GEO-256. Requisite courses: Take GEO-2255 (Required, Previous).

GEO-2260 Cartography • 3 credits

This course examines the creation of maps. The content includes concepts and properties of maps; classifications of maps; theory of distortions; map projections including conical, polyconic, cylindrical and perspective and the UTM, 3TM and 10TM projections. Not available for supplemental. Instruction (4.0). Equivalent to GEO-260. Requisite courses: Take GEO-1160 (Required, Previous).

GEO-2280 Geographic Information Systems II • 3 credits

An advanced application of current software and techniques in the GIS field. Students will study the theoretical aspects of various GIS applications and then apply the theory in the form of applied GIS projects. GIS applications include site suitability, interpolation methods and modeling, cost path analysis, 3-D analysis, point density and geostatistical analysis. Not available for supplemental. Instruction (5.0). Equivalent to GEO-280. Requisite courses: Take GEO-2252 (Required, Previous).

GEO-2290 Geospatial Analysis II 3 credits

A study of the digital image analysis of aerial and satellite data for earth observation and studies of environmental change at a variety of spatial scales. Topics will include locating and downloading imagery, processing and enhancing imagery, integration with GIS data, supervised and unsupervised classification methods, and change detection measurement. Practical exercises will focus on the use of industry standard digital image analysis software and applications. Not eligible for Prior Learning Assessment. Instruction (5.0). Equivalent to GEO-290. Requisite courses: Take GEO-2252 (Required, Previous).

GEO-2298 Work Experience • 1.5 credits

An 80-hour optional field work experience placement providing an opportunity for involvement in engineering disciplines related to Geomatics Engineering Technology. An application of program skills and knowledge through exposure to field-specific activities performed by engineering technologists on a day-to-day basis. Individuals are required to participate as part of an engineering team to complete work assignments as specified by the engineering supervisor or their appointee. Not available for supplemental. Not eligible for Prior Learning Assessment. Work Experience ().

GEO-3376 Advanced GIS • 3 credits

An examination of data quality assessment, GIS development and implementation, advanced analysis techniques, environmental modeling and specialized environmental applications. Not available for supplemental. Instruction (3.0), Lab (2.0). Equivalent to GEO-2276, GEO-276. Requisite courses: Take GEO-1165 (Required, Previous). Take GEO-3376L (Required, Concurrent).

GEO-3380 Hydrology • 3 credits

A skills-based approach on the use of industry-standard concepts, analytical techniques and software to solve hydrological aspects of water resource projects related to surface water supply, drainage and flood control, creation of wetland habitat, protection of water bodies, and the hydraulic aspects of stream habitat enhancement and rehabilitation. Not available for supplemental. Instruction (3.0), Lab (2.0). Requisite courses: Take GEO-3380L (Required, Concurrent).

GEO-3382 Contaminant Hydrogeology 3 credits

Measurement, monitoring and three-dimensional modelling of contaminant movement in saturated and unsaturated groundwater zones. Specialized software applied to hydrogeological and geochemical data will be used. Not available for supplemental. Instruction (3.0), Lab (2.0). Requisite courses: Take GEO-3382L (Required, Concurrent).

GEO-3383 Geomorphology • 3 credits

This introductory geomorphology course offers an integrative, applications-centered approach to the study of the Earth's dynamic surface. Upon completion of this course, students will obtain a basic understanding of Earth surface processes and the evolution of topography over short and long timescales. Examples of practical applications will be taught throughout this course, showing how scientists are using geomorphological research to tackle critical societal issues (natural disaster response, safer infrastructure, protecting species, and more). Not available for supplemental. Instruction (3.0), Lab (2.0). Requisite courses: Take GEO-3383L (Required, Concurrent).

Course Descriptions GEO 4464 - HIS 2270

GEO-4464 Applied Limnology 3 credits

This course integrates aspects of chemistry, physics, hydrology, and ecology to create a broad perspective on lakes, rivers and other inland freshwater ecosystems. Not available for supplemental. Instruction (3.0), Lab (2.0). Requisite courses: Take GEO-4464L (Required, Concurrent).

(HCA) HEALTH CARE AIDE

HCA-1103 Assist With Medication Delivery • 1.5 credits

An examination and application of safe practices in assisting with medication delivery within the scope of the Health Care Aide. A blend of theory and lab will allow the student to become competent assisting with the various delivery routes. Not available for supplemental. Instruction (1.0), Lab (1.0). Equivalent to HCA-103. Requisite courses: Take HCA-1103L (Required, Concurrent).

HCA-1105 Practicum I • 1.5 credits

This first practicum course provides the opportunity for application of safe work practices, working as a team member and assisting clients with activities of daily living in a healthcare setting. Not available for supplemental. Work Experience (.). Equivalent to HCA-105.

HCA-1107 Health and Chronic Illness 3 credits

A study of the structure and function of the systems within the human body as well as the milestones of growth and development across a lifetime. The most common chronic illnesses will be examined, as well as translating this knowledge into best practices and safe care, based on the clients' diagnoses, needs and care plans. Not available for supplemental. Instruction (3.0). Equivalent to HCA-107.

HCA-1111 Practicum II • 1.5 credits

This comprehensive final practicum provides the opportunity for students to apply the knowledge, skills and attitudes gained through their educational experience in caring for clients with diverse and complex needs within a healthcare setting. Not available for supplemental. Work Experience (.). Equivalent to HCA-111. Requisite courses: Take HCA-1103, HCA-1105, HCA-1114, HCA-1116 (Required, Previous).

HCA-1112 Safe Work Practices 3 credits

A study of the role of the health care aide, functioning effectively as a team member and within defined legislation. Safety is also examined as it applies to the environment, the client and the health care aide. Not available for supplemental. Instruction (3.0), Lab (1.0). Equivalent to HCA-1101, HCA-101. Requisite courses: Take HCA-1112L (Required, Concurrent).

HCA-1113 Communication in Health Care • 1.5 credits

An introduction to communication in the health care environment, including verbal, non-verbal and written documentation. Areas of focus include challenges and barriers of clients/patients, as well as strategies to promote effective communication with these individuals. Not available for supplemental. Instruction (2.0), Lab (1.0). Equivalent to HCA-1106, HCA-106. Requisite courses: Take HCA-1113L (Required, Concurrent).

HCA-1114 Clients With Complex Care 3 credits

An introduction to the advanced skills for a HCA which focuses on supporting care activities such as ostomy care, respiratory care, catheter care, wound care, tube feeds, vital signs and specimen collection. These skills are studied and practiced within the legal roles and responsibilities of the HCA in the province of Alberta at this time. Roles and responsibilities, following client care plans and employer policies and procedures are emphasized. Not available for supplemental. Instruction (1.0), Lab (3.0). Equivalent to HCA-1109, HCA-109. Requisite courses: Take HCA-1114L (Required, Concurrent).

HCA-1115 Assist with Activities of Daily Living • 3 credits

A skills-based approach to providing client comfort and care. Emphasis is placed upon assisting clients with mobility and mealtime, as well as with basic tasks of grooming and hygiene. Instruction focuses on the safety of both the client and the caregiver. Not available for supplemental. Instruction (2.0), Lab (3.0). Requisite courses: Take HCA-1115L (Required, Concurrent).

HCA-1116 Specialized Client Needs 3 credits

A study of the specialized needs and care of individuals with varying mental health diagnoses, developmental delays and physical disabilities across the lifespan. Dementia and end-of-life care are highlighted. Not available for supplemental. Instruction (2.0), Lab (1.0). Requisite courses: Take HCA-1116L (Required, Concurrent).

(HIS) HISTORY

HIS-1170 Western Civilization 3 credits

This course provides students with an introduction to the history of western civilization including the important philosophical, religious, military, political and economic foundations of ancient, medieval and modern western societies. Students will critically engage with course content and activities with the objective of cultivating an understanding of the historical antecedents of contemporary western civilization. Not available for supplemental. Instruction (3.0). Equivalent to HIS-170, HIS-260.

HIS-2265 Canadian History • 3 credits

A study of the major philosophical, cultural, economic, and political landmarks of Canadian history through the eras of New France, British North America, Confederation and 20th century. Not available for supplemental. Instruction (3.0). Equivalent to HIS-265. Requisite courses: Take any one of ENG-1150, ENG-1180, ENG-1190, HIS-1170, PSC-1150, PSC-1161 or PSC-1165. (Required, Previous).

HIS-2270 American History • 3 credits

A study of the major philosophical, cultural, economic and political landmarks of American history during the colonial, revolutionary, Civil War and reconstruction, and 20th century periods. Not available for supplemental. Instruction (3.0). Equivalent to HIS-270. Requisite courses: Take any one of ENG-1150, ENG-1190, HIS-1170, HIS-2265, PSC-1161 or PSC-1165 (Required, Previous).

Course Descriptions HSP 1151 - HUM 1180

(HSP) HUMAN SERVICE PRACTICE

HSP-1151 Family Systems and Development • 3 credits

This course is an introduction to the family as a dynamic system. The stages of family development are presented and discussed. An examination of family dynamics and issues within families are covered. Not available for supplemental. Instruction (3.0). Equivalent to HSP-151, CYC-151.

HSP-2250 Functions of Behaviour 3 credits

An application of the theory of the function of behaviour for individuals impacted by autism spectrum disorder from an ecological perspective. Topics will include functional behaviour assessment, motivations of behaviour, behaviour as communication, creating and implementation of strategies to decrease challenging behaviour, and proactive approaches to supporting positive behaviour. Not available for supplemental. Instruction (3.0).

(HTH) HEALTH

HTH-1121 Hospital Administration 1.5 credits

This course covers a basic understanding of the hospital and how various units and systems work within a hospital setting. Topics include hospital organization, nursing organization, safety, emergencies and security, body mechanics and ergonomics, telephone and reception and time and stress management. Not available for supplemental. Instruction (2.0). Equivalent to HTH-121.

HTH-1125 Patients' Records • 3 credits

This course covers the basic concepts of the Unit Clerk's responsibility regarding the processing of physicians' orders by providing the information of basic medical records and charts, chart forms, supplies and requisitions, medical terminology and common abbreviations and the importance of written communication and documentation of physicians' orders. This course is not subject to supplemental. Instruction (3.0). Equivalent to HTH-125.

HTH-1142 Medical Order Entry 3 credits

A skills-based approach to medical transcription of physicians' orders within the healthcare system, specifically within hospital settings.

Focus will be on transcription of physicians' orders into patients' charts and applicable electronic processing and entry of orders utilizing regional hospital systems. Not available for supplemental. Not eligible for Prior Learning Assessment. Instruction (3.0).

HTH-1143 Unit Clerk Practicum 3 credits

This three week full-time practicum, consisting of 120 hours, provides students the opportunity to apply the knowledge and skills gained through their educational experience. The practicum experience is delivered in a health care setting under the guidance of a preceptor. Not available for supplemental. Not eligible for Prior Learning Assessment. Grading: CR/NCR. Work Experience (). Equivalent to HTH-1131, HTH-131. Requisite courses: Take COM-1162, CPU-1151, CSP-1150, ENG-1142, HTH-1121, HTH-1125, HTH-1142 (Required, Previous).

(HUM) HUMANITIES

HUM-1150 Logic • 3 credits

This is designed as a course in logical self-defence. In everyday life we are faced with the problem of making judgements. We must learn how to evaluate what we have read or been told if we are to make reasonable decisions. Once students have learned to recognize inappropriate evidence or excessive claims, they will be more able to ensure they do not inadvertently add to the confusion surrounding many issues by thinking, speaking or writing in an illogical fashion. Not available for supplemental. Instruction (3.0). Equivalent to HUM-150.

HUM-1155 Ethics • 3 credits

Ethics is a philosophy course that focuses on ethical theories and moral issues. The course has two aspects: one emphasizes meta-ethical thinking, or thinking about the nature of ethics itself, and one emphasizes ethical thinking, or thinking about what to do in a particular situation. The course is both theoretical and practical. The course has implications that will impact upon students as persons in their private or public lives. Service Learning opportunity may be available. Not available for supplemental. Instruction (3.0). Equivalent to HUM-155.

HUM-1158 Creative Problem-Solving 3 credits

This course is an introduction to the process of creative problem-solving and personal and group development through creative behaviour. Concentration is on using methods and strategies of the creative process as a means to promote personal development and resolve problems individually and in small groups. Applications will focus on innovation, management and business change, including marketing. Students will be introduced to conceptual and skills based development through hands-on activities such as case studies, journals or portfolios, graphic organizers, videos and visual presentations, puzzles, games, projects, discussions and presentations. Not available for supplemental. Instruction (3.0). Equivalent to HUM-158.

HUM-1165 Introduction to Archaeology 3 credits

HUM1165 is the introductory course to the history, methods, techniques and practice of archaeology. Archaeologists study the past primarily through the material remains left by the occupants of a site. It is through the identification and interpretation of this evidence that we gain an understanding of our human heritage. Lectures presented throughout the course focus on methods archaeologists use to locate and excavate sites, analytical techniques used to process the data they collect, and interpretive methodologies. Examples discussed in class incorporate both historical and pre-historical cross-cultural archaeology. Not available for supplemental. Instruction (3.0). Equivalent to HUM-165.

HUM-1180 Intro to World Religions 3 credits

This humanities course will explore the major religious traditions of the world with regards to their historical evolution and philosophical framework. Major religious figures, significant events and religious literature from Hinduism, Buddhism, Judaism, Christianity and Islam will be studied in depth, with reference also to the rich religious traditions China, Japan, India, and North America. The goal of this course is not to examine the religious traditions in terms of right or wrong, but rather to be able to gain an understanding and hopefully an appreciation of each tradition on its own merits based on historical, political and social context. Service Learning opportunity may be available. Not available for supplemental. Instruction (3.0). Equivalent to HUM-180.

Course Descriptions HUM 1190 - HUM 2295

HUM-1190 Popular Culture • 3 credits

This humanities course serves as an introduction to cultural theory via a brief survey of Western popular culture. Students will analyse, according to cultural theory and concepts, various aspects of the popular culture of the past century, with examples drawn from the mass media and a wide variety of cultural texts. The course will follow the evolution of popular culture and the dialectical nature of idea exchange, by examining American popular culture and the influence it has had on the Canadian experience. Not available for supplemental. Instruction (3.0). Equivalent to HUM-190.

HUM-1195 Cultural Anthropology 3 credits

This humanities/social science course explores the wonderful diversity of human cultures around the globe. It takes the view that we can learn more about ourselves by learning more about others. Anthropology, the study of humanity, asks a fundamental question: If we are all human beings, then why do we seem to be so different from each other? This course will help students increase their knowledge and understanding of the peoples with whom they share the Earth. It surveys approaches used by anthropologists to study humanity in all its variety and probes some of their explanations for diverse human cultural practices. The course considers how anthropology helps us understand contemporary global problems such as population growth, hunger, economic globalization and ethnic conflict. Not available for supplemental. Instruction (3.0). Equivalent to HUM-195.

HUM-2250 Police and Community Relations • 3 credits

This is an intermediate human relations course provided to front-line police officers, which focuses on the identification and understanding of the complexities of a culturally diverse work environment. Police recruits will learn to recognize personal biases that may impact their work as a law enforcement officer. Through lecture and field trips, police officers learn strategies for customer service, bias-free policing, self-regulation and personal stress management enabling them to be more effective in an increasingly multicultural community. Instruction (3.0). Equivalent to HUM-250.

HUM-2261 Archaeology of Prehistoric Europe • 3 credits

This course in the Archaeology of Prehistoric Europe focuses on understanding European cultures from the earliest arrival of the genus Homo on the continent through to the rise of Ancient Greece and Rome. Key topics to be examined include Europe's prehistoric beginnings, the transition from Neanderthals to modern humans roughly 28,000 years ago, and issues such as who built Stonehenge, what did the "Venus figurines" mean and who made them, how did agriculture come to play a key role in human lives, and why and how did complex urban-oriented groups and trade emerge? Not available for supplemental. Instruction (3.0). Equivalent to HUM-261. Requisite courses: Take any one of HIS-1170, HUM-1165, HUM-1180 or HUM-1195 (Required, Previous).

HUM-2265 Archaeology of Ancient Civilizations • 3 credits

This course surveys the development of ancient civilizations to familiarize students with the rich and varied cultures of the human past in order to increase awareness of the debt we, in the 21st century, owe to past diverse cultural developments. Consequently, the course will trace the development of urbanism and civilization subsequent to the emergence of agriculture, and will familiarize students with the representative cities, archaeological evidence, technological developments, and cultural characteristics of those civilizations. In particular, students will focus on the social organization, physical remains, arts, and history of the ancient states in Mesopotamia, Egypt, the Far East, the Middle East, South and Southeast Asia, Greece, Rome, Africa, and the Americas. Not available for supplemental. Instruction (3.0). Equivalent to HUM-265. Requisite courses: Take any one of HIS-1170, HUM-1165, HUM-1180 or HUM-1195 (Required, Previous).

HUM-2281 Christianity • 3 credits

A historical survey of the evolution of the Christian religion over the past two millennia, from its origins to its present day diversity. Focus is on its beliefs and practices and its formative role in Western society. Not available for supplemental. Instruction (3.0). Equivalent to HUM-281. Requisite courses: Take any one of HUM-1155, HUM-1165, HUM-1180, HUM-1195 or HIS-1170 (Required, Previous).

HUM-2285 Buddhism • 3 credits

A survey of the evolution of the Buddhist tradition from its origins to its present day diversity. Focus is on the development of Buddhist thought and practice in Theravada and Mahayana Buddhism. Not available for supplemental. Instruction (3.0). Equivalent to HUM-285. Requisite courses: Take any one of HUM-1155, HUM-1165, HUM-1180, HUM-1195, or HIS-1170 (Required, Previous).

HUM-2291 Film Studies • 3 credits

This humanities course will explore film, specifically the "art" of watching film, and examine film with respect to a variety of aspects: film history, cinematography, mise-en-scene, editing, story, thematic elements, film genres, auteurism, adaptations and film theory. The student will be engaged in film on a variety of levels over the semester, from film critic to director, developing a sense of video literacy and film appreciation. The class will consist of lectures, the viewing of films, group discussion, and final class projects. The breadth of the course demands that students view some assigned films outside of class time. Not available for supplemental. Instruction (3.0). Equivalent to HUM-291. Requisite courses: Take any one of ENG-1150, ENG-1165, ENG-1190, HUM-1155, HUM-1190 or HUM-1195 (Required, Previous).

HUM-2295 Anthropology of Gender 3 credits

This humanities/social science course examines the roles of women and men in a cross-cultural perspective that highlights variations in gender roles and interpersonal relations around the world. The aim is to introduce students to the anthropological study of gender, to help them acquire language and tools to think critically about gender, to explore historical changes in gender roles and relations and to reflect critically on gender in modern industrial and post-industrial nations. Not available for supplemental. Instruction (3.0). Equivalent to HUM-295. Requisite courses: Take any one of HUM-1155, HUM-1180, HUM-1190, HUM-1195, SOC-1153 or SOC-1160 (Required, Previous).

Course Descriptions HUM 3350 - IDM 1190

HUM-3350 Ethics in Justice • 3 credits
An exploration of ethics as it relates to the field of justice with a focus on how one's own values and morals influence decisions. Content includes a review of major ethical systems, theories of moral development and the implications of organizational subcultures. Instruction (3.0). Equivalent to HUM-350.

HUM-3355 Critical Thinking • 3 credits
The development and application of critical thinking skills relative to the field of justice. Emphasis is on inductive and deductive logic, analysis of arguments, distinguishing between inference and fact, and establishing a credible argument. Builds on foundational content related to ethical decision making. Not available for supplemental. Instruction (3.0).

**HUM-3370 Environmental Ethics
3 credits**
Moral problems arising from the relationships between humans and nature will be considered in terms of both general moral theory and environmental policy. Topics include moral standing, animal rights, treatment of non-human living beings, obligations to future generations, biotechnology, pollution, hazardous material and depletion of natural resources. Not available for supplemental. Instruction (3.0).

(IDM) INTERIOR DESIGN

IDM-1155 Professional Practice in Interior Design • 3 credits
A detailed exposition to a variety of design topics and areas of expertise. Interior design related industries are studied and examined as they relate to human behavior, design assessment and awareness. Students produce an extensive range of projects showcasing their broad understanding in a variety of interior design related fields. Not available for supplemental. Instruction (3.0). Equivalent to IDM-155.

IDM-1158 Representations I • 3 credits
An introduction to drawing as a means of communication. Mechanical one- and two-point perspectives are applied along with exploration of freehand drawing techniques. Skills are developed using a variety of drawing tools and media surfaces. Emphasis is placed on creating professional drawing presentations. Not available for supplemental. Instruction (6.0). Equivalent to IDM-158, IDM-154.

IDM-1159 Representations II • 3 credits
A development of the skills introduced in Representations I, utilizing a variety of drawing and rendering tools, such as pencil, markers, paint, and pen to communicate design ideas and spatial elements integral to the design process. Digital enhancement and modification to the illustration is introduced. Not available for supplemental. Instruction (3.0). Equivalent to IDM-159, IDM-156. Requisite courses: Take IDM-1158 (Required, Previous).

IDM-1163 History of Interiors I • 3 credits
Introduction to the historical survey of architecture, including interior environments, furniture and art of western civilizations considered in the setting of physical, socio-economic, political and cultural environments from ancient civilizations to the 18th century. Focus is on design styles, and the artifacts, spaces and buildings that come from their culture, place and time period. Topics include designers, design processes, materials, tools, techniques, features, ornamentation, landscapes, elements and principles. Not available for supplemental. Instruction (3.0).

IDM-1167 Interior Detailing I • 3 credits
An introduction to manual drafting and residential construction. Basic drafting skills are developed with focus on lettering, line work, architectural symbols, and standard drafting practices. Detailed components relating to standard wood frame construction are examined. Projects are focused on the development of working drawings and related construction documents including floor plans, elevations, sections and schedules. Not available for supplemental. Instruction (6.0). Equivalent to IDM-167, IDM-166.

IDM-1170 Colour and Lighting • 3 credits
An in-depth study of colour theory and application as it relates to interior design. Technical concepts, psychological and behavioural aspects are studied in a variety of residential and commercial applications. Basic principles of light and colour are examined from biological, psychological, historical and cultural perspectives while the interrelationships between colour, texture and lighting are also studied. Not available for supplemental. Instruction (3.0). Equivalent to IDM-170.

**IDM-1173 History of Interiors II
3 credits**
A continuation of the historical survey of architecture, including interior environments, furniture and art of western civilizations considered in the setting of physical, socio-economic, political and cultural environments from 18th century to contemporary style. Focus is on design styles, the artifacts, spaces and buildings that come from their culture, place and time period including style-specific topics such as key designers, design processes, materials, tools, techniques, features, ornamentation, landscapes, elements and principles. Not available for supplemental. Instruction (3.0). Requisite courses: Take IDM-1163 (Required, Previous).

**IDM-1179 Design Fundamentals
3 credits**
An overview of the basic elements and principles of design. Understanding of the human-built environment is explored creatively using two- and three-dimensional problem-solving techniques. Space, form, and context are analyzed and applied to various design challenges. Not available for supplemental. Instruction (6.0). Equivalent to IDM-179.

**IDM-1181 Residential Design Studio
3 credits**
An introduction to the basic elements and principles of residential design theory. Applied projects will utilize basic design problem-solving processes which include consideration of the physical, functional and psychological needs of varying users. Ergonomic and anthropometric data are spatially considered and implemented into residential interior spaces. Not available for supplemental. Instruction (6.0). Equivalent to IDM-181, IDM-180. Requisite courses: Take IDM-1179 (Required, Previous).

IDM-1190 Digital Drafting • 3 credits
An introduction to various digital drafting software used throughout interior design practice. Emphasis will be on the basic applications and commands using industry-standard AutoCAD software. Topics will range from the initial setup and basic knowledge of program function, problem-solving drawing exercises, through to production and printing of a full set of two-dimensional working drawings. Not available for supplemental. Instruction (6.0). Equivalent to IDM-190.

Course Descriptions IDM 2255 - IDM 2287

IDM-2255 Materials and Finishes 3 credits

An overview of interior materials, elements, finishes and finishing techniques. Sustainability, durability and maintenance schedules are assessed for a variety of synthetic and natural materials. Research and critical analysis components and a hands-on approach will be emphasized. Not available for supplemental. Instruction (3.0). Equivalent to IDM-255.

IDM-2267 Interior Detailing II 3 credits

Design and detailing of components for commercial interiors, millwork, wall types and construction and floor and roof construction. A detailed set of working architectural drawings are produced and collaborative millwork drawings are produced in relation to Design Studio projects. Not available for supplemental. Instruction (6.0). Equivalent to IDM-267. Requisite courses: Take IDM-1167 (Required, Previous).

IDM-2270 Practicum • 3 credits

This is a summary course utilizing skills acquired from core courses. This practicum will be a structure of learning experiences containing assignments and placement with a design-related employer. The placement will be a competition for positions; a limited number of positions will be available. Students are not guaranteed a placement. The course will introduce students to a practical application of professional interior design, resume and interview skills. Not available for supplemental. Work Experience (0). Equivalent to IDM-270. Requisite courses: Take IDM-1150, IDM-1155, IDM-1158, IDM-1159, IDM-1167, IDM-1170, IDM-1179, IDM-1181, IDM-1190, IDM-2255 (Required, Previous).

IDM-2271 Portfolio • 3 credits

Existing drawings and design work will be used to develop a professional quality design portfolio in digital and/or material format. Not available for supplemental. Instruction (2.0). Equivalent to IDM-271.

IDM-2275 Digital Modelling & Animation 3 credits

A supplementary course building upon the foundational digital drafting and illustration concepts and skills, integrating a variety of photo realistic rendering software and animation technology.

Focuses on creating digital still images in varied exterior environments. Production of professional interior animations showcasing a variety of commercial spaces in a realistic virtual world. Not available for supplemental. Instruction (3.0). Requisite courses: Take IDM-2290 (Required, Previous).

IDM-2276 Professional Portfolio 3 credits

An integration of all course projects, illustration work and digital modelling into a professionally developed design portfolio in both print and online formats. Emphasis is on using a variety of visual and digital techniques to enhance design work, showcasing learning outcomes and skills. Incorporation of portfolio presentation in an interview setting. Not available for supplemental. Instruction (3.0). Requisite courses: Take IDM-1155, IDM-2278, IDM-2290 (Required, Previous).

IDM-2277 Practicum • 3 credits

A culminating course utilizing skills acquired from core courses to be completed through a placement with a design-related employer. Practical application of professional interior design resume writing, interview skills, and work experience will be introduced. Industry standard equipment, professional site and relevant expertise will be provided to properly offer a complete work experience that supports learning outcomes. Placements must include guidance of a qualified supervisor operating in a student's chosen field and requires 120 hours of work experience. Not available for supplemental. Work Experience (0). Requisite courses: Take IDM-1170, IDM-1181, IDM-1190, IDM-2255 (Required, Previous).

IDM-2278 Corporate Design Studio 3 credits

An intermediate level design studio course exploring commercial corporate design. Emphasis is on planning, functional requirements, and aesthetic considerations in designing corporate interior environments. An examination of building code requirements, barrier-free access, and sustainable design practices. Includes steps in the client consultation process from programming to presentation techniques. Not available for supplemental. Instruction (6.0). Requisite courses: Take IDM-1181, IDM-1190 (Required, Previous).

IDM-2279 Global Design Trends 3 credits

An explorative look at design trends around the world. Assessment of sustainability, indoor environmental quality, universal design, building systems, technology and architecture. Applying current design considerations and practices into commercial applications with geographical and cultural requirements. In-depth examination of local and global design problems using a variety of visual and digital communication methods. Not available for supplemental. Instruction (3.0). Requisite courses: Take IDM-1173 (Required, Previous).

IDM-2285 Design Studio II • 6 credits

Students will be introduced to and apply commercial design theories related to cafe and restaurant design. Extensive portfolio work will be expected that combines the principles of colour, light, interior detailing, materials, design fundamentals, textiles and drafting. Not available for supplemental. Instruction (6.0). Equivalent to IDM-285, IDM-280. Requisite courses: Take IDM-1179, IDM-1181 (Required, Previous).

IDM-2286 Design Studio III • 6 credits

This course is an examination of functional requirements and aesthetic considerations in designing office environments. It involves planning and designing an office environment from programming to presentation drawings, based on a specified client/company profile. Not available for supplemental. Instruction (6.0). Equivalent to IDM-286, IDM-283. Requisite courses: Take IDM-1179, IDM-2285 (Required, Previous).

IDM-2287 Hospitality Design Studio 6 credits

An advanced level design studio course exploring hospitality design featuring retail, restaurant and hotel interior design. Emphasis is on planning, functional requirements, and aesthetic considerations in designing hospitality interior environments. Topics covered include hospitality client needs, branding, space planning, material and furniture selection, building code requirements, barrier-free access, sustainable design practice, and presentation techniques used in the design of hospitality interior spaces. Not available for supplemental. Instruction (6.0). Equivalent to IDM-287, IDM-284. Requisite courses: Take IDM-1181, IDM-2290 (Required, Previous).

Course Descriptions IDM 2290 - JUS 3351

IDM-2290 Digital Illustration • 3 credits

Builds upon existing knowledge and software skills acquired in digital drafting while integrating a variety of computer aided drawing and design technology. Emphasis will be on three-dimensional drawing, modeling, and rendering of interior spaces and components. Various digital illustration software will be utilized to develop conceptual drawings, working drawing, and design presentations. Not available for supplemental. Instruction (3.0). Equivalent to IDM-290. Requisite courses: Take IDM-1190 (Required, Previous).

(IND) INDEPENDENT STUDY

IND-1151 Independent Study

1.5 credits

Independent study is a learning experience in which students pursue a topic related to their program or proposed career. Students are responsible for developing an outline of the project they wish to undertake. Further information may be obtained from their Program Chair. Not available for supplemental. Not eligible for Prior Learning Assessment. Independent Study (). Equivalent to IND-151.

IND-1153 Independent Study • 3 credits

Independent study is a learning experience in which students pursue a topic related to their program or proposed career. Students are responsible for developing an outline of the project they wish to undertake. Further information may be obtained from their Program Chair. Not available for supplemental. Not eligible for Prior Learning Assessment. Independent Study (). Equivalent to IND-153.

IND-2251 Independent Study

1.5 credits

A focused opportunity for students to conduct research regarding a topic related to their program or proposed career. Requires preparation and approval of a research outline prior to conducting the research, and writing a comprehensive paper summarizing research findings. Not available for supplemental. Independent Study (). Equivalent to IND-251.

IND-2252 Independent Study

1.5 credits

A focused opportunity for students to conduct research regarding a topic related to their program or proposed career. Requires preparation and approval of a research outline prior to conducting the research, and writing a comprehensive paper summarizing research findings.

Not available for supplemental. Independent Study (). Equivalent to IND-252.

IND-2253 Independent Study • 3 credits

Independent study is a learning experience where students pursue a topic related to their program or proposed career. Students are responsible for developing an outline of the project they wish to undertake. Further information may be obtained from their Program Chair. Not available for supplemental. Not eligible for Prior Learning Assessment. Independent Study (). Equivalent to IND-253.

IND-2263 Independent Study

1.5 credits

Independent study is a learning experience where students pursue a topic related to their program or proposed career. Students are responsible for developing an outline of the project they wish to undertake. Further information may be obtained from their Program Chair. Not available for supplemental. Not eligible for Prior Learning Assessment. Independent Study (). Equivalent to IND-263.

IND-4460 Professional Project • 3 credits

This course is a directed learning experience in which the student pursues an applied project encompassing one or more of the primary goals of the agency or institution where they are working. The topic selections should be relevant to the student's placement agency and location. The Directed Field Study Co-ordinator must approve all projects at the outline phase. The final paper must be more than 5,000 words (20-30 pages) in length. This is a Directed Field Study. Not available for supplemental. Independent Study (). Equivalent to IND-460.

(IRR) IRRIGATION TECHNOLOGY

IRR-1152 Introduction to Irrigation **3 credits**

This course provides an overview of irrigated agriculture in Western Canada. The importance of irrigation, with particular emphasis on the Alberta economy, will be examined. Topics will include the role of government in irrigation funding, water storage and distribution in Alberta, and water resource issues including tenure and resource allocation. Interprovincial and international water rights will also be studied. A variety of irrigation systems will also be introduced. Instruction (3.0). Equivalent to IRR-152, AGR-193.

IRR-2252 Sprinkler Systems & Irrigation Management • 3 credits

This course covers the operation, maintenance and management of sideroll and pivot sprinkler systems in Western Canada. System outcomes include basic hydraulics, pipeline installation, calculation of total dynamic head, pump selection, energy use calculations, system set-up and maintenance. Management outcomes provide the learner with skills required to actively manage irrigations in Western Canada including crop water requirements, soil moisture measurement and irrigation scheduling by both predictive and monitoring methods. Instruction (2.0), Lab (2.0). Equivalent to IRR-252. Requisite courses: Take RRM-1153, AGR-1168, PLT-1152, IRR-1152 (Required, Previous). Take IRR-2252L (Required, Concurrent).

(IST) INTERNATIONAL STUDIES

IST-2250 International Study Tour **3 credits**

A focused opportunity for students to enhance their knowledge and awareness of world cultures and international business in the global marketplace. Includes an international study tour, as well as research, presentations, and travel planning. Not available for supplemental. Not eligible for Prior Learning Assessment. Independent Study (). Equivalent to IST-250.

(JUS) JUSTICE STUDIES

JUS-3350 Victimology • 3 credits

A study of the history, theories, statistical documentation and experiences of victims of crime. Content includes an exploration of the role and range of victim services, the role of media as it relates to victims and the methodology of restorative justice. Not available for supplemental. Instruction (3.0). Equivalent to COR-3350, COR-350.

JUS-3351 Research Methods in Justice **3 credits**

An introduction to research methodology used in the field of justice. Focus is on applied or action research. Topics include ethical practices, research skills, critical analysis of information sources and introductory data analysis. Not available for supplemental. Instruction (3.0).

Course Descriptions JUS 3352 - JUS 4455

JUS-3352 Social Justice • 3 credits

A study of the interrelationship between political processes, the legal system and social issues. Focus is on the analysis of factors that impact policy related to policing and corrections, the effects of the Canadian Charter of Rights and Freedoms on criminal law and the influence of societal dynamics on the provision of justice services. Not available for supplemental. Instruction (3.0).

JUS-3357 Contemporary Youth Justice 3 credits

An analysis of the youth justice system in Canada. Emphasis is on interpretation of federal legislation and its application in programming and treatment by various youth agencies. Not available for supplemental. Instruction (3.0).

JUS-3360 Aboriginal Peoples & Culture 3 credits

An exploration of the diversity of Aboriginal cultures before European contact, the effects of European colonization as well as Aboriginal spirituality, traditional values and rules of behavior. Topics include the renaissance of Aboriginal culture, the over representation of Aboriginal peoples who come in contact with the justice system, and healing and intervention programs implemented in cooperation with Aboriginal communities. Not available for supplemental. Instruction (3.0). Equivalent to COR-3360, COR-360.

JUS-3369 Program Evaluation • 3 credits

An overview of techniques of program evaluation. Working from initial conception of evaluation, planning, observation gathering, analysis, report writing and presentation. Determining the depth and extent of services required, tracking implementation plans, and measuring the effectiveness of services utilizing research methods and concepts from several social science disciplines. Not available for supplemental. Instruction (3.0). Requisite courses: Take JUS-3351 (Required, Previous).

JUS-3372 Directed Topics in CJ 3 credits

An opportunity to research one or more topics of interest related to the field of justice. Consultation with the instructor will determine the expectations, criteria and timelines of the course assignments. Not available for supplemental. Independent Study ().

JUS-3378 Women in Justice • 3 credits

The analysis of women's issues from three perspectives: global, the role of women as professionals in the justice system, and the special needs of female offenders including current initiatives to address them. Topics include the challenges women face working in predominately male environments and the effects and influences which women have as professionals. Not available for supplemental. Instruction (3.0). Equivalent to COR-3378, COR-378.

JUS-3387 Crisis Management • 3 credits

A study of crisis management skills necessary for the resolution of incidents common to justice environments. Emphasis is on the crisis management model, using a threat/risk assessment process, perpetrator profiling and crisis communications. Not available for supplemental. Instruction (3.0). Equivalent to COR-3387, COR-387.

JUS-3388 Orientation to DFS

1.5 credits

An orientation to directed field studies (DFS) designed to provide the knowledge and skills required for the DFS component of the Bachelor of Applied Arts in Justice Studies degree (4th year). Topics include DFS roles and responsibilities, the theory and practice of work-based learning, and the identification of suitable placements. Students will complete a course plan for their fourth year of study. Completion of this course is a pre-requisite for all fourth year (DFS) courses. Not eligible for Prior Learning Assessment. Not available for supplemental. Work Experience ().

JUS-4450 Directed Topics in CJ 3 credits

An opportunity to research one or more topics of interest related to the field of justice. Consultation with the instructor will determine the expectations, criteria and timelines of the course assignments. DFS environment not required.

Not available for supplemental. Independent Study (). Equivalent to IND-4450, IND-450. Requisite courses: Take JUS-3388 (Required, Previous).

JUS-4452 Analysis of Professional Relationships • 3 credits

An analysis of the different types of interactions between a professional and their client(s). Areas to be considered: agency expectations, nature of the client(s), interviewing/counseling skills, and strategies to overcome resistance. DFS environment is required. Not available for supplemental. Work Experience (). Requisite courses: Take JUS-3388 (Required, Previous).

JUS-4453 Policies & Procedures in Justice • 3 credits

An applied study of how the organizational structure, policies and procedures and decision-making processes affect the operations of a justice environment. A comparison across environments will support a critical assessment of the functionality of current practices. DFS environment is required. Not available for supplemental. Work Experience (). Requisite courses: Take JUS-3388 (Required, Previous).

JUS-4454 Applied Conflict Management 3 credits

An analysis of how conflict is handled in the Directed Field Study environment, both personally and organizationally. A critique of conflict management models and assessment of stress reduction strategies are covered. DFS environment is required. Not available for supplemental. Work Experience (). Requisite courses: Take JUS-3388 (Required, Previous).

JUS-4455 Comparative Justice Systems 3 credits

A research course comparing justice practices in three other countries with those in Canada. A review of literature and analysis of data will compare values, limitations, practices and effectiveness of the outcomes of the selected systems. DFS environment not required. Not available for supplemental. Work Experience (). Equivalent to COR-4455, COR-455. Requisite courses: Take JUS-3388 (Required, Previous).

Course Descriptions JUS 4457 - KEY 1140

JUS-4457 Community Involvement 3 credits

An assessment of one's involvement in a community organization or project as it relates to the role of a justice professional. Consultation with the instructor will determine the expectations, criteria and timelines of the course assignments. DFS environment is required. Not available for supplemental. Work Experience (). Equivalent to COR-4457, COR-457. Requisite courses: Take JUS-3388 (Required, Previous).

JUS-4461 Identified Population Study 3 credits

A survey of the needs of an identified sub group served by the Directed Field Study (DFS) environment. Current literature is reviewed in relation to the demographics and characteristics of the sub group. Resources provided to the identified group will be assessed. DFS environment is required. Not available for supplemental. Work Experience (). Equivalent to COR-4461, COR-461. Requisite courses: Take JUS-3388 (Required, Previous).

JUS-4464 Applied Research 1 • 3 credits

The proposal phase of an applied research project. Activities to be completed include: identification of parameters of the project, literature review, clarification of the research question(s), and proposal of research methods. Implementation in the DFS environment would require obtaining applicable permissions. DFS environment recommended but not required. Not available for supplemental. Work Experience (). Requisite courses: Take JUS-3351, JUS-3388 (Required, Previous).

JUS-4465 Diversity Seminar • 3 credits

An exploration of the cultural make-up of an environment or community. Research will form a base for assessing the cultural dynamics of an environment/community in relation to justice practices. DFS environment not required. Not available for supplemental. Work Experience (). Requisite courses: Take JUS-3388 (Required, Previous).

JUS-4468 Applied Research 2 • 3 credits

The implementation phase of an applied research project. Following the proposal created in the Applied Research 1 course, the research process is implemented, and the findings documented, evaluated and presented. DFS environment recommended but not required. Not available for supplemental. Work Experience (). Requisite courses: Take JUS-4464 (Required, Previous).

JUS-4469 Program Development and Management • 3 credits

An application and evaluation of program development and management skills. DFS environment is required. Not available for supplemental. Work Experience (). Requisite courses: Take JUS-3351, JUS-3369, JUS-3388 (Required, Previous).

JUS-4474 Safety in Justice Environment 3 credits

An exploration of health and safety issues in a justice environment. Areas to be considered: legislation, workplace safety issues, accident investigation techniques and related documentation, and educational programs related to health and safety issues. DFS environment is required. Not available for supplemental. Work Experience (). Equivalent to COR-4474, COR-474. Requisite courses: Take JUS-3388 (Required, Previous).

JUS-4475 Critical Incident Analysis 3 credits

An analysis of one or more critical incidents that have occurred in the DFS environment. Consultation with the instructor will determine the expectations, criteria and timelines of the course assignments. DFS environment is required. Not available for supplemental.

Work Experience (). Equivalent to COR-4475, COR-475. Requisite courses: Take JUS-3388 (Required, Previous).

JUS-4480 Community Relationship Analysis • 3 credits

A survey and critique of initiatives used in the DFS environment to strengthen cross agency connections and community relations and to build community capacity. DFS environment is required. Not available for supplemental. Work Experience (). Requisite courses: Take JUS-3388 (Required, Previous).

JUS-4481 Strategic Planning/Project Management • 3 credits

A study and application of strategic planning and project management strategies. A comparison of strategic planning and/or project management processes leads to an opportunity to utilize and evaluate a selected process. DFS environment is required. Not available for supplemental. Work Experience (). Requisite courses: Take JUS-3388 (Required, Previous).

JUS-4482 Human Resources Management • 3 credits

An analysis of the management model used in the DFS environment as it relates to communication, planning, decision making and conflict resolution. Other areas to be considered include: mentorship strategies, stress management, professional development programs and relationships between management and the union(s). DFS environment is required. Not available for supplemental. Work Experience (). Requisite courses: Take JUS-3388 (Required, Previous).

JUS-4483 Applied Leadership • 3 credits

An analysis of leadership styles and strategies used in the DFS environment. Formal and informal means to handle conflict and strategies to create effective teams are addressed. DFS environment is required. Not available for supplemental. Work Experience (). Requisite courses: Take JUS-3388 (Required, Previous).

JUS-4484 Financial Management 3 credits

An exploration of the purpose, components and implications of the budgeting process in the DFS environment. DFS environment is required. Not available for supplemental. Work Experience (). Requisite courses: Take JUS-3388 (Required, Previous).

(KEY) KEYBOARDING

KEY-1139 Introductory Keyboarding 3 credits

This course covers the fundamentals of touch-typing. It develops skills required for typing business and personal letters, tables, memorandums and reports. It cannot be included as part of the credit requirement for the one-year and two-year Office Administration programs. Not available for supplemental. Not eligible for Prior Learning Assessment. Instruction (5.0). Equivalent to KEY-139.

KEY-1140 Document Processing 3 credits

A skills-based approach to proper formatting of business documents. Includes letters, tables, memorandums and reports. Documents are keyed from printed, handwritten and electronic sources with an emphasis on producing error-free documents. Not available for supplemental. Instruction (5.0). Equivalent to KEY-140.

Course Descriptions KEY 1144 - LAW 1191

KEY-1144 Keyboard Speed Development 1.5 credits

An individualized diagnostic and prescriptive skills-based approach to building keyboarding skill and speed. Not available for supplemental. Instruction (2.0). Equivalent to KEY-144, KEY-143.

(LAR) LANGUAGE ARTS

LAR-0043 Language Arts I • 5 credits

This course is designed to introduce basic literacy skills in reading, writing, speaking and listening, using adult appropriate materials with a life skills focus. Not open to supplemental. Instruction (5.0). Equivalent to LAR-043.

LAR-0048 Language Arts II • 5 credits

This course is designed to introduce intermediate literacy skills in reading, writing, speaking and listening, using adult appropriate materials with a life skills focus. Not open to supplemental. Instruction (5.0). Equivalent to LAR-048.

LAR-0055 Language Arts III • 5 credits

This course is designed to introduce advanced literacy skills in reading, writing, speaking and listening, using adult appropriate materials with a life skills focus. Not open to supplemental. Instruction (5.0). Equivalent to LAR-055.

LAR-1130 College Reading and Writing 3 credits

A skill-based approach designed to assist students in developing college level reading and writing skills. This course reviews basic academic writing tasks and grammar with a focus on sentences, paragraphs, and academic essays, including APA referencing. Students will work towards improving their reading comprehension and analyses of post-secondary material through the application of various critical thinking and reading strategies. Not available for supplemental. Not eligible for Prior Learning Assessment. Instruction (3.0).

(LAW) LAW

LAW-1150 Intro to Environmental Law 3 credits

This course includes sources of environmental law, Canadian and global environmental issues, the legal system and environmental protection, division of powers and common law and the

environment. The regulatory framework of environmental law will be discussed using provincial and federal acts and legislation. An overview of environmental legislation including the Alberta Environmental Protection and Enhancement Act (EPEA), The Canadian Environmental Protection Act (CEPA), the Fisheries Act and the Canadian Environmental Assessment Act (CEAA) will provide the regulatory framework for land use planning and mitigation. Not available for supplemental. Instruction (3.0). Equivalent to LAW-2265, LAW-265.

LAW-1161 Intro to Natural Resource Law 3 credits

An introduction to the Canadian legal system and sources of natural resource law. The role of resource law enforcement is a focus in addition to select resource laws that regulate air, land, fisheries and wildlife. Not available for supplemental. Instruction (5.0). Equivalent to LAW-161.

LAW-1164 Environmental Legislation 3 credits

This course covers the study of statutes, regulations and relevant case law pertaining to the protection of the environment, including historical and constitutional aspects of environmental legislation. Overviews of federal and provincial environmental statutes form the basis of this course. Not available for supplemental. Instruction (5.0). Requisite courses: Take LAW-1150 (Required, Previous).

LAW-1166 Criminal Procedural Law 3 credits

An exploration of the Criminal Code focusing on statute law, including interpreting, understanding and applying criminal procedural requirements. The Criminal Code and the Charter of Rights and Freedoms are examined with emphasis on arrest and search and seizure provisions. Instruction (5.0). Equivalent to LAW-166.

LAW-1172 Law for Corrections 3 credits

This course covers the historical foundations of Canadian law and the process by which laws are developed. Included are the principles and purpose of sentencing as well as the sentencing instruments available to the court such as Discharges (with probation), Conditional Sentence Orders, and Incarceration.

Early release from incarceration, both federal and provincial, via Parole and Temporary Absence are studied through the Correctional & Conditional Release Act, The Prison & Reformatory Act and the Alberta Corrections Act. Study of the Criminal Code is highlighted throughout this course with particular attention to search and seizure, use of force and Judicial Interim Release via Recognition Orders and Peace Bonds. The Charter of Rights and Freedoms and Freedom of Information and Privacy Act (FOIP) are studied from the perspective of victim-related legislation. Current legal issues in corrections will be explored with students expected to make written and classroom presentations. Not available for supplemental. Instruction (4.0). Equivalent to LAW-172.

LAW-1176 Criminal Offences • 3 credits

An in-depth analysis and application of criminal offences including the statutory provisions, elements of the offence and relevant case law. The most common criminal offences as identified by current data are studied. Not available for supplemental. Instruction (3.0). Equivalent to LAW-176. Requisite courses: Take LAW-1166 (Required, Previous).

LAW-1180 Provincial & Federal Statutes 3 credits

This course focuses on the application of commonly used provincial and federal statutes. Police recruits will learn the technical applications of provincial legislation such as the Gaming and Liquor Act, Residential Tenancy Act, Environmental Protection Enforcement Act, Youth Tobacco Act, Traffic Safety Act and Mental Health Act. Police Officers also learn the technical applications of federal legislation such as the Immigration Act, Human Rights, Criminal Code, Controlled Drugs and Substances Act and the Youth Justice Act. Additional topics will include training in occupational health and safety related issues, including WHMIS, WCB claims, investigations and reports. Instruction (3.0). Equivalent to LAW-180.

LAW-1191 Enforcement Law • 3 credits

This comprehensive law course will introduce learners to the language and structure of statutes and their practical application in policing duties. Learners will be able to define various sources and types of law and demonstrate correct application of each.

Course Descriptions LAW 2254 - MAS 2253

This course will examine the Canadian Charter of Rights and Freedoms, paying particular attention to those sections most relevant to law enforcement. Learners will study the theory behind arrest, release, search procedures, and crimes against persons and property. Learners will engage in practical exercises, including practice-based scenarios and simulated court proceedings. Not available for supplemental. Not available for Prior Learning Assessment. Instruction (5.0). Equivalent to LAW-191.

LAW-2254 Applied Law • 3 credits

The practical application of previously obtained justice knowledge and training to situations likely to be encountered in a preliminary investigation. Selection and completion of all documentation appropriate to criminal prosecutions, with emphasis on critical thinking, problem solving, and communication. Not available for supplemental. Instruction (3.0). Equivalent to LAW-254.

LAW-2264 Courtroom Procedures 3 credits

An examination of the Canada Evidence Act and Rules of Evidence pertaining to testifying in criminal court. Addresses the roles of the prosecutor, defence counsel, investigator and witness with a focus on officer testimony in court. Not available for supplemental. Instruction (3.0). Equivalent to LAW-264. Requisite courses: Take LAW-2254 or LAW-1161 (Required, Previous).

(MAS) MASSAGE THERAPY

MAS-1122 Practicum I • 1.5 credits

The application and reinforcement of basic information taught in massage theory classes. The simulated clinic provides a professional setting in which to practice basic knowledge and techniques, covering areas of draping, bolstering, positioning and turning clients. Introduction to record-keeping, filing systems and journal entries are taught. FOIP and other confidentiality concerns are covered. Body mechanics and personal safety issues are addressed and monitored for both student and client. Students will begin to develop an ethical professionalism. All time will be spent on campus. Not available for supplemental. Work Experience (.). Equivalent to MAS-122.

MAS-1125 Practicum II • 3 credits

In this practicum students begin working in the on-campus massage clinic and at various community-based events. Students will build upon their knowledge and skills acquired in previous courses. Students will further develop their understanding of terminology, anatomy and physiology, pathology, assessments and professional-client communication. Practicum requires approximately 190 hours of work in student clinic and the community. Work Experience (.). Requisite courses: Take MAS-1122 (Required, Previous).

MAS-1130 Pathology • 3 credits

An exploration of pathology as it relates to basic structure and functioning of body systems, providing students with a clear understanding of the topic. In detail study, the course examines pathology as it relates to massage and painful tissues. Students will learn which pathologies they can and cannot affect with massage therapy. Instruction (3.0). Equivalent to MAS-130. Requisite courses: Take BIO-1160 (Required, Previous).

MAS-1140 Basic Massage • 3 credits

An introduction to practical massage techniques and theory. It includes physiological, psychological and mechanical effects of massage, indications and contraindications as well as introduction to strokes. Work involves hands-on practice. At the end of the course, students will be able to competently perform a full body massage. Instruction (2.0), Lab (3.0). Equivalent to MAS-140. Requisite courses: Take MAS-1140L and BIO-1160 (Required, Concurrent).

MAS-1152 Professional Practices Massage Therapy • 3 credits

Students will develop an understanding and broaden their knowledge of issues such as professionalism, boundaries, communication with clients and allied health disciplines, healthy work environments, ethics, informed consent, confidentiality, and other contemporary issues. Instruction (3.0). Equivalent to MAS-2252, MAS-252, MAS-144.

MAS-1157 Massage Techniques I 3 credits

An exploration of a variety of therapeutic techniques that treat deep tissue pathologies. Various advanced techniques and their theories including neuromuscular therapy, sports massage, ice massage, trigger point therapy and cross fiber frictioning will be addressed. Upon completion of the course, it is expected that the student will have a strong understanding of the anatomical and physiological mechanisms of common soft tissue injuries and be able to apply the advanced techniques taught to successfully treat a variety of conditions. Instruction (2.0), Lab (2.0). Equivalent to MAS-157, MAS-251, MAS-141. Requisite courses: Take MAS-1140 (Required, Previous). Take MAS-1157L (Required, Concurrent).

MAS-2250 Advanced Massage 3 credits

An exploration of massage treatment techniques and advanced strokes are explored in greater depth and incorporates treatment of acute to chronic pathologies/ conditions, building upon the basics learned in previous courses. Students are expected to participate in hands-on practice to integrate the theory with skills. Instruction (1.0), Lab (3.0). Equivalent to MAS-250, MAS-145. Requisite courses: Take MAS-1140 (Required, Previous). Take MAS-2250L (Required, Concurrent).

MAS-2253 Assessment for Massage I 3 credits

A skills-based approach helping train students to effectively interview a client and perform a basic physical assessment. Students will learn gait, palpation, joint, nerve and muscle testing assessment techniques. Pathologies and conditions will be assessed, contraindications addressed, as well as special tests for each part of the body. This course deals with the lower extremities of the body. Interpretation of the information, development of a care/ treatment plan and documentation for communication with other health care professionals will be addressed. Instruction (1.5), Lab (1.5). Equivalent to MAS-253, MAS-126. Requisite courses: Take MAS-1140 (Required, Previous). Take MAS-2253L (Required, Concurrent).

Course Descriptions MAS 2254 - MKT 1152

MAS-2254 Special Populations I 3 credits

An introduction to integrating complex dysfunctions and pathologies that massage therapists will encounter in their practices with appropriate treatment protocols. The special populations covered will be either pathology based or mechanically based. Each module will move students through the process the dysfunction/pathology takes and the treatment protocol that would be implemented. It is expected that students will integrate techniques covered in previous courses and also begin to show acquired knowledge skills. Not available for supplemental. Instruction (2.0), Lab (3.0). Equivalent to MAS-254, MAS-121. Requisite courses: Take MAS-1140 (Required, Previous). Take MAS-2254L (Required, Concurrent).

MAS-2255 Practicum III • 3 credits

The application of experience previously gained in theory and practicum courses. The individual will be able to demonstrate skills, competency and confidence in providing client-focused massage treatments. Students will work in the on-campus clinic, community-based work experiences and a professional preceptorship. Practicum requires approximately 190 hours of work in student clinic and the community. Work Experience (.). Equivalent to MAS-255, MAS-124. Requisite courses: Take MAS-1125 (Required, Previous).

MAS-2257 Massage Techniques II 3 credits

An application of advanced massage and hydrotherapy techniques in a spa and esthetic practice setting. Addresses the physiological effects of several techniques including paraffin dips, wraps, mud applications and skin exfoliation. Instruction in contraindications, technical protocols and treatment modifications allow for the incorporation of a variety of spa and esthetic techniques into a traditional massage treatment. Not available for supplemental. Instruction (1.0), Lab (2.0). Equivalent to MAS-257, MAS-142. Requisite courses: Take MAS-2257L (Required, Concurrent).

MAS-2258 Assessment for Massage II 3 credits

An exploration of assessment that builds upon the skills acquired in Assessment for Massage Therapists I. Orthopedic assessment procedures are reviewed. Course content focuses on the upper extremities, including the development of assessment and care/treatment plans of the upper body. Instruction (1.5), Lab (1.5). Equivalent to MAS-258, MAS-128. Requisite courses: Take MAS-2253 (Required, Previous). Take MAS-2258L (Required, Concurrent).

MAS-2259 Practicum IV • 3 credits

The application of theory and skills that allows for the development and presentation of a comprehensive treatment plan for clients with specific pathologies. Students provide treatment to the clients in the on-campus clinic. Participation in mentorship, leadership and community events will take place. Practicum requires approximately 160 hours of work in student clinic and the community. Work Experience (.). Equivalent to MAS-259. Requisite courses: Take MAS-2255 (Required, Previous).

MAS-2260 Special Populations II 3 credits

Builds upon knowledge and skills learned in Special Populations I, including more complex pathologies as well as the manifestation of multiple pathologies and how to approach the treatment of the increasingly complex client. The focus is on therapeutic massage for clients with special needs such as chronic disease conditions and disabilities, seniors, and post-surgical clients. Instruction (2.0), Lab (2.0). Equivalent to MAS-260. Requisite courses: Take MAS-2254 (Required, Previous). Take MAS-2260L (Required, Concurrent).

MAS-2261 Massage Seminar 1.5 credits

An introduction to complementary disciplines and current issues affecting practicing professionals. Para health practitioners and other business professionals will guest lecture in a seminar style setting. Students can expect hands-on demonstrations, group discussions, and opportunities for engagement with the speakers. Instruction (1.0). Equivalent to MAS-261, MAS-149.

(MGT) MANAGEMENT

MGT-2251 Events & Conference Management • 3 credits

An introduction to planning and managing meetings, events, conferences, trade show exhibits, and special events. Includes development of marketing plans, organization of registration and sales, promotion, advertising, negotiations and contracts, admission systems, billing, and post-event review. Instruction (4.0). Equivalent to MGT-251.

MGT-3370 Management in Justice Organizations • 3 credits

A study of the functions, models and challenges of management in a justice organization. Areas of emphasis include organizational planning, budgetary considerations, human resource management, labour relations, program provision and relationships with stakeholders. Instruction (3.0). Equivalent to MGT-370.

MGT-3375 Leadership in Justice Organizations • 3 credits

A survey of leadership styles and theories as they apply to the field of justice. Key topics include dealing with conflict, team building, community and interagency relations, patterns of authority, use of power and evaluating one's own leadership style. Instruction (3.0). Equivalent to MGT-375.

(MKT) MARKETING

MKT-1152 Commodity Marketing 3 credits

This course is an overview of the alternatives available in the marketing of grains, oilseeds and livestock. Topics include priced and un-priced marketing strategies, futures contracts, put and call options, the mechanics of futures trading, hedging and the interpretation of market information through fundamental analysis and technical charting techniques. Students use the DTN System to chart commodity prices over the course of the term. Instruction (3.0). Equivalent to MKT-152, AGR-279.

Course Descriptions MKT 1160 - MTH 0048

MKT-1160 Marketing/Research Essentials • 3 credits

This overview course will introduce students to fundamental concepts of marketing and market research. Learners will be offered a working knowledge of basic marketing theories and concepts, marketing research principles and marketing situational analysis. Using case studies and final marketing research project, learners will examine buyer behaviour, market identification, market segmentation, pricing, logistics, market research through primary and secondary data sources, data acquisition and analysis and finally communicating research results. This course is designed particularly for students in the Advertising/Public Relations program. Not available for supplemental. Instruction (5.0). Equivalent to MKT-160.

MKT-1188 Introduction to Marketing 3 credits

An intensive orientation to all aspects of marketing including management's role in market research, understanding consumer behavior, targeting, planning and developing products. Includes decision making regarding pricing strategies, appropriate communication methods and tools, and logistics and distribution channels. Case studies are used to provide the context of actual businesses and to analyze problems and concepts regarding all aspects of marketing. Instruction (5.0). Equivalent to MKT-188.

MKT-2250 Advertising Essentials 3 credits

Covers various aspects of advertising including the creation of advertising messages, use of appropriate visual elements, specialized media, as well as marketing and advertising research. Not available for supplemental. Instruction (3.0). Equivalent to MKT-250, BIS-104.

MKT-2260 International Marketing 3 credits

An overview of marketing strategy from a global perspective. Foreign nations are viewed as sources of potential markets as well as sources of competition. Includes exposure to market entry, strategy, adaptation to environmental and cultural differences, and the use of integrated marketing communication tools. Topics such as free trade versus protectionism and multi-country trade agreements are discussed. Instruction (3.0). Equivalent to MKT-260. Requisite courses: Take MKT-1188 (Required, Previous).

MKT-2275 E-Commerce • 3 credits

A comprehensive study of the electronic commerce methods used by businesses. Uses a marketing perspective to examine the Internet as a tool for managers and owners, and to forecast future changes. Covers e-commerce strategies for marketing, sales, communication, purchasing, logistics and support activities. Not available for supplemental. Instruction (3.0). Equivalent to MKT-275. Requisite courses: Take MKT-1188 (Required, Previous).

MKT-2277 Merchandise Administration 3 credits

An analysis of the Canadian retail market. Students are prompted to develop a strategic retail plan including decisions regarding retail location, store space layout and design, merchandise presentation, inventory management, pricing, staffing, and customer service. Instruction (5.0). Equivalent to MKT-277. Requisite courses: Take MKT-1188 (Required, Previous).

MKT-2279 Applied Sales • 3 credits

Covers the universal application of principles of selling, even for those who do not expect to enter the field of sales. Features cases, research, presentation, micro sales situations and class discussion and involvement. Not available for supplemental. Instruction (3.0). Equivalent to CAP-2255, MKT-279, CAP-255. Requisite courses: Take MKT-1188 (Required, Previous).

MKT-2281 Marketing Logistics 3 credits

Covers essential aspects of supply chain management, including inventory, warehousing, transportation, purchasing, packaging, and materials handling, with a focus on enhancing efficiency and customer service. Field studies provide opportunity to examine real-world companies and situations. Not available for supplemental. Instruction (3.0). Equivalent to MKT-281. Requisite courses: Take MKT-1188 (Required, Previous).

MKT-2283 Advertising • 3 credits

Covers advertising as an integral element of the marketing mix. Topics include various media, their particular advantages and limitations, problems of originating and placing advertising, budgeting and control of advertising expense, and implications of the social responsibility of advertisers. Not available for supplemental. Instruction (5.0). Equivalent to MKT-283, BUS-283. Requisite courses: Take MKT-1188 (Required, Previous).

MKT-2288 Marketing Management 3 credits

The analysis of the inter-relationship between strategy, tactics and other aspects of planning, organizing and controlling for marketing and management. A theoretical approach is used to supplement application of marketing management to case studies and decision-making activities. Includes many of the elements covered throughout other marketing courses, integrating them in the analysis and creation of marketing strategies. Not available for supplemental. Instruction (5.0). Equivalent to MKT-288. Requisite courses: Take MKT-1188 (Required, Previous).

MKT-2290 Marketing Research 3 credits

A hands-on approach to market research concepts and phases. Students conduct research studies for a variety of projects, gaining practical experience in survey design, focus group facilitation, as well as research using observation, interviews and more formal strategies. Research projects vary from term to term. Instruction (5.0). Equivalent to MKT-290. Requisite courses: Take MKT-1188 (Required, Previous).

(MTH) MATH

MTH-0043 Math Fundamentals I 5 credits

This course covers reading and writing numbers, understanding of whole-number concepts; addition, subtraction, multiplication and division of whole numbers; and measurement skills. Decimals, graphing and some computations with decimals are introduced. Effective problem-solving processes with practical applications are developed. Instruction (5.0). Equivalent to MTH-043.

MTH-0048 Math Fundamentals II 5 credits

This course covers whole number concepts, problem-solving strategies, computation skills with whole numbers, decimals, computation with decimals, equivalents, and graphing. Instruction (5.0). Equivalent to MTH-048.

Course Descriptions MTH 0054 - MTH 1160

MTH-0054 Mathematics Foundations 5 credits

This course covers the mathematical skills necessary to undertake pre-algebra and algebra courses in mathematics. Topics include operations with whole numbers, integers, decimals, fractions, rational expressions and percents; metric measurement; geometry; and problem-solving strategies. Instruction (5.0). Equivalent to MTH-054.

MTH-0055 Math Fundamentals III 5 credits

This course covers whole numbers, integers, rational numbers, decimals and fractions, percent and rates, metric measurement, geometry, graphing, equivalents, and use of the calculator. Effective problem solving strategies are developed. Instruction (5.0). Equivalent to MTH-055.

MTH-0060 Mathematics 0060 • 5 credits

Covers preparation for introductory algebra. Topics covered are solution of simple linear equations and inequalities, basic manipulation with exponents. Students registering in this course should have successfully completed MTH-0055 or equivalent or have tested at this level on an assessment test. Not available for supplemental. Instruction (5.0). Equivalent to MTH-060.

MTH-0075 Mathematics 0075 • 5 credits

Covers the basic techniques of algebra from operations on rational numbers through equations and inequalities, factoring and algebraic fractions. Topics covered include basic geometry and trigonometry. Students registering in this course should have successfully completed MTH-0060. Not available for supplemental. Instruction (5.0). Equivalent to MTH-075.

MTH-0085 Mathematics 0085 • 5 credits

A continuation of algebra and geometry from MTH-0075 and includes factoring, systems of equations, quadratic equations, operations with radicals, rational expressions, rational exponents, graphing and trigonometry on oblique triangles. Students registering in this course should have successfully completed MTH-0075. Not available for supplemental. Instruction (5.0). Equivalent to MTH-085.

MTH-0092 Mathematics 0092 • 5 credits

Covers fundamental algebra review, transformations, combinations, permutations, probability, rational expressions and equations. Topics included are polynomials, exponential, logarithmic and sinusoidal functions, as well as trigonometric functions. Students registering in this course should have successfully completed MTH-0085 or equivalent placement testing. Not available for supplemental. Instruction (5.0). Equivalent to MTH-092.

MTH-0095 Mathematics 0095 • 5 credits

Covers transformations; polynomial, exponential, logarithmic, and trigonometric functions and analysis; sequences, series and combinations. Students registering in this course should have successfully completed MTH-0085 or equivalent placement testing. Not available for supplemental. Instruction (5.0). Equivalent to MTH-095.

MTH-0097 Introduction to Calculus 5 credits

An introduction to differential and integral calculus with practical applications to distance, velocity and acceleration, maxima and minima, sequences and limits, related rates, the integral as an area, and volumes by revolution. Students registering in this course should have successfully completed MTH-0095 or MTH30 (Pure) or equivalent. Not available for supplemental. Instruction (5.0). Equivalent to MTH-097.

MTH-1130 Basic College Mathematics 3 credits

This course is designed for students to develop college-level math skills for non-mathematical programs. Students will extend their understanding of arithmetic and algebra and develop their ability to reason by collecting, analyzing, and evaluating data involving one variable and connecting probability and statistics. Not available for supplemental. Instruction (3.0). Equivalent to MTH-130.

MTH-1149 Pre-Calculus • 3 credits

An introduction to the topics required before beginning calculus. Topics include operations on real numbers, the Cartesian coordinate plane, algebraic equations, functions and graphs, trigonometric functions and problem-solving skills.

The calculus topics that will be covered include limits, slope and area under the curve. Instruction (3.0). Equivalent to MTH-149, MTH-146.

MTH-1150 Engineering Math I 3 credits

An introduction to the mathematical concepts required for the engineering technologies in preparation for calculus. Topics include unit analysis and unit conversion, the Cartesian coordinate plane, algebraic equations, trigonometric functions, and problem-solving skills. Mathematical concepts will be applied to physical problems including vector analysis, surveying applications, friction, optical instruments, and kinematics. Introductory calculus topics include limits, slope and area under the curve. Not available for supplemental. Instruction (6.0).

MTH-1152 Mathematics for CIT 3 credits

An exploration of mathematical calculations required for data processing. Includes binary, octal, and hexadecimal numbering systems and arithmetic, as well as sets, logic, Boolean algebra, arrays, solution of equations by matrix calculations. Not available for supplemental. Instruction (3.0). Equivalent to MTH-152.

MTH-1156 Techniques of Calculus 3 credits

This course covers functions, limits, derivatives, and extreme problems, definite integral, differentiation and integration of rational functions. Not available for supplemental examination. Instruction (5.0). Equivalent to MTH-156.

MTH-1160 Calculus I • 3 credits

A study of calculus which covers both differentiation and integration. Topics include a review of limits, the definition of derivative, differentiation rules, derivative applications, and integration as area, the fundamental theorem of calculus, techniques of integration, integration applications and elementary first order differential equations. Students are expected to have a basic understanding of the geometry of calculus, the idea of limit, slope and area under a curve. Not available for supplemental. Instruction (3.0). Equivalent to MTH-160, MTH-154. Requisite courses: Take MTH-1149 (Required, Previous).

Course Descriptions MTH 1165 - NSG 1181

MTH-1165 Calculus II • 3 credits

This is a technical math course specifically suited to engineering technologists. It includes a basic understanding of Integral calculus and its applications along with an introduction to differential equations and Taylor series. Topics may include the definition of integration and the fundamental theorem of calculus, rules for integrating functions including algebraic, trigonometric, logarithmic and exponential functions, and applications of integration including centers of mass, work, fluid pressure, areas and volumes. Topics in differential equations may include slope fields, exponential growth and decay, trajectories and fluid flow. Not available for supplemental or challenge. Instruction (3.0). Equivalent to MTH-165, MTH-180. Requisite courses: Take MTH-1160 (Required, Previous).

MTH-1170 Engineering Math II 3 credits

A study of calculus which covers both differentiation and integration. Topics include a review of limits, an intro into complex numbers, the definition of derivative, differentiation rules, derivative applications, and integration as area, the fundamental theorem of calculus, techniques of integration, partial fraction decomposition, integration applications, methods of approximating definite integrals and elementary first order differential equations. Students are expected to have a basic understanding of the geometry of calculus, the idea of limit, slope and area under a curve. Not available for supplemental. Instruction (4.0). Requisite courses: Take MTH-1150 (Required, Previous).

(MUS) MUSIC

MUS-1150 Music Appreciation • 3 credits

This course is a general introduction to the art music of the western world. Students will develop listening skills, a musical vocabulary, and some knowledge of prominent composers and their works in a historical context. Not available for supplemental. Instruction (3.0). Equivalent to MUS-150.

(NAT) NATIVE AWARENESS

NAT-1150 Exploring FNMI Perspectives 3 credits

An exploration of indigeneity and what it means to be indigenous in Canada. Students apply indigenous perspectives in areas of the environment, social issues, aesthetics, and history and participate in reflective practice and community building. Not available for supplemental. Not eligible for Prior Learning Assessment. Instruction (3.0).

NAT-1155 Intro to Native American Studies • 3 credits

This course is an introduction to Native American culture and heritage from traditional to contemporary times. Knowledge gained in the course will prove invaluable for students considering a career in which they will be interacting with First Nations People or for increasing an individual's general understanding and sensitivity toward the First Nation's perspective. Not available for supplemental. Instruction (3.0). Equivalent to NAT-155.

NAT-2250 Aboriginal Education for Professional Engagement • 3 credits

Students will continue to develop their knowledge of Aboriginal peoples' histories, educational experiences, knowledge systems, and will further develop an understanding of the implications of this knowledge to their future professional roles and obligations. Professional students will engage in a learning process of self-and-other awareness. Not available for supplemental. Instruction (3.0).

(NSG) NURSING

NSG-1150 Concepts of Health I 3 credits

This course provides an introduction to concepts of health and wellness for individuals and families, the role of the nurse, and the use of group process strategies to support self-directed learning. Instruction (3.0). Equivalent to NSG-1168, NSG-150. Requisite courses: Take NSG-1163 (Required, Concurrent).

NSG-1155 Concepts of Health: Individuals/Families • 3 credits

This course provides an introduction to the concepts of community and population health, adult learning principles and strategies, the relationship of evidence to nursing practice, and strategies for individual contributions to effective group process.

This course continues to explore concepts of health and wellness for individuals and families. Instruction (3.0). Equivalent to NSG-155. Requisite courses: Take NSG-1163, NSG-1168 (Required, Previous). Take NSG-1173 (Required, Concurrent).

NSG-1163 Intro to Nursing Practice 6 credits

This first nursing practice course provides the foundation for developing therapeutic and caring relationships with clients and introduces concepts of health assessment and basic nursing skills. Practice occurs in the context of healthy or stable individuals across the lifespan in different cultural contexts and settings. Not available for supplemental. Instruction (4.0), Lab (3.0). Equivalent to NSG-163. Requisite courses: Take NSG-1163L (Required, Concurrent).

NSG-1168 Intro to Nursing and Concepts of Health • 3 credits

This course provides an introduction to the concepts of health and wellness for individuals and families, the role of the nurse, and the use of group process strategies to support self-directed learning. Not available for supplemental. Not eligible for Prior Learning Assessment. Instruction (3.0). Equivalent to NSG-1150, NSG-150. Requisite courses: Take NSG-1163 (Required, Concurrent).

NSG-1173 Health and Physical Assessment • 6 credits

This course includes physical health assessment techniques and the practice of basic nursing skills. Practice occurs in the context of healthy or stable individuals and families across the lifespan in different cultural contexts and settings. Not available for supplemental. Instruction (3.0), Lab (4.0). Equivalent to NSG-173. Requisite courses: Take NSG-1163, NSG-1168 and BIO-1160 (Required, Previous). Take NSG-1155 and NSG-1173L (Required, Concurrent).

NSG-1181 Nursing Concepts: Individuals & Families • 6 credits

This course focuses on the history of nursing, role of the nurse in various settings, and nursing as a profession. It includes an introduction to the dimensions of health and wellness of populations across the lifespan in different cultural contexts and settings. Not available for supplemental. Instruction (9.0). Equivalent to NSG-181. Requisite courses: Take NSG-1182 (Required, Concurrent).

Course Descriptions NSG 1182 - ORG 1148

NSG-1182 Intro to Nursing: Assessment & Practice • 6 credits

This course provides the foundation for developing therapeutic relationships and introduces the concepts of health assessment and basic nursing skills. The students will have learning opportunities, in the classroom, lab and practice environment. Practice occurs in the context of healthy or stable individuals and families across the lifespan in different cultural contexts and settings. Not available for supplemental. Instruction (12.0). Equivalent to NSG-182. Requisite courses: Take NSG-1181 (Required, Previous or concurrent).

NSG-2250 Health, Illness and Healing I 3 credits

This course provides an introduction to acute and chronic health challenges for adults with varied cultural backgrounds in diverse geographical settings. It integrates concepts of gerontology, health promotion, illness prevention, epidemiology, pathophysiology, and therapeutics. Instruction (3.0). Equivalent to NSG-2268, NSG-250. Requisite courses: Take NSG-1150, NSG-1163, BIO-1160, BIO-1161, ENG-1150, NSG-1155, NSG-1173, BIO-1162, PSY-1160, SOC-1160 (Required, Previous).

NSG-2254 Maternity & Pediatric Nursing 3 credits

This course focuses on the experiences of child-bearing and child-rearing families with varied cultural backgrounds in diverse geographical settings. It integrates concepts of health promotion, illness prevention, epidemiology, pathophysiology, and therapeutics. Not available for supplemental. Instruction (3.0). Equivalent to NSG-2255, NSG-255. Requisite courses: Take BIO-1160, BIO-1161, BIO-1162, ENG-1150, NSG-1155, NSG-1163, NSG-1168, NSG-1173, PSY-1160, SOC-1160 (Required, Previous). Take NSG-2293 (Required, Concurrent).

NSG-2263 Medical-Surgical Nursing Practice • 6 credits

Explores increasingly complex nursing skills and provision of basic nursing care for adults with acute and chronic health challenges with varied cultural backgrounds. Students will have the opportunity to apply pharmacology, pathophysiology, critical thinking and clinical judgment to care of adults

experiencing illness in acute care situations. Not available for supplemental. Grading: Pass/Fail. Work Experience (). Equivalent to NSG-263. Requisite courses: Take BIO-1160, BIO-1161, BIO-1162, ENG-1150, NSG-1155, NSG-1163, NSG-1168, NSG-1173, PSY-1160, SOC-1160 (Required, Previous). Take NSG-2268 (Required, Concurrent).

NSG-2268 Disruptions in Health I 3 credits

This course provides an introduction to acute and chronic health care challenges for adults with varied cultural backgrounds in diverse geographical settings. It integrates concepts of gerontology, health promotion, illness prevention, epidemiology, pathophysiology, and therapeutics. Not available for supplemental. Not eligible for Prior Learning Assessment. Instruction (3.0). Equivalent to NSG-2250, NSG-250. Requisite courses: Take BIO-1160, BIO-1161, BIO-1162, ENG-1150, NSG-1155, NSG-1163, NSG-1168, NSG-1173, PSY-1160, SOC-1160 (Required, Previous). Take NSG-2263 (Required, Concurrent).

NSG-2269 Rural Nursing Practice 6 credits

Explores increasingly complex nursing skills and provision of basic nursing care for adults with acute and chronic health challenges with varied cultural backgrounds. Students will have the opportunity to apply pharmacology, pathophysiology, critical thinking and clinical judgment to care of adults experiencing illness in acute care situations. Not available for supplemental. Not eligible for Prior Learning Assessment. Graded: Pass/Fail. Work Experience (). Requisite courses: Take NSG-1181, NSG-1182 (Required, Previous). Take NSG-2268 (Required, Concurrent).

NSG-2279 Nursing Issues & Health Care in Canada • 3 credits

This course is an exploration and examination of professional nursing practice concepts and issues. The focus will be on historical and contemporary roles as well as the ethical and legal responsibilities of the registered nurse within the context of the nursing profession and the health care system. Topics include the application of theory to practice, multidisciplinary health care team issues, professional association and union roles.

Not available for supplemental. Instruction (3.0). Equivalent to NSG-279. Requisite courses: Take NSG-2263 or NSG-2293 and NSG-2254 or NSG-2268 (Required, Previous).

NSG-2290 Pharmacology & Applied Therapeutics • 3 credits

This course provides an introduction to integrative therapeutic modalities including: conventional (i.e., allopathic), alternative and complementary therapies used in health care and the pathophysiology, psychologic, energetic, and spiritual basis for these therapies. The nurse's role in promoting quality of life through appropriate use of various treatment modalities and dealing with implications and effects is explored. Instruction (3.0). Equivalent to NSG-290. Requisite courses: Take BIO-1160, BIO-1161, BIO-1162, ENG-1150, NSG-1155, NSG-1163, NSG-1168, NSG-1173, PSY-1160, and SOC-1160 (Required, Previous).

NSG-2293 Maternity & Pediatric Nursing Practice • 6 credits

Explores increasingly complex nursing skills and provision of basic nursing care for women, children, and families from various cultural backgrounds. Students will have the opportunity to apply pharmacology, pathophysiology, critical thinking and clinical judgment to the care of women through the antenatal, labour, delivery, postpartum period and to children experiencing illness in an acute care setting. Not available for supplemental. Grading: Pass/Fail. Work Experience (). Equivalent to NSG-293. Requisite courses: Take BIO-1160, BIO-1161, BIO-1162, ENG-1150, NSG-1155, NSG-1163, NSG-1168, NSG-1173, PSY-1160, SOC-1160 (Required, Previous). Take NSG-2254 (Required, Concurrent).

(ORG) ORGANIZATIONAL BEHAVIOUR

ORG-1148 Office Dynamics • 3 credits

A thorough exposure to the principles and practices related to making a positive contribution to an organization. Includes development of team-work skills, problem-solving and conflict resolution. Includes exposure to the qualities needed to be effective administrative professionals, and understanding of their role in the organization. Instruction (4.0). Equivalent to ORG-148.

Course Descriptions ORG 2254 - PED 1165

ORG-2254 Public Relations • 3 credits

This course deals with the development and delivery of an effective public relations strategy for an organization. The course addresses the development and maintenance of public support. Specific topics include reputation building, strategies, key publics, advertising, media relations, handling of complaints, public designation, developing news releases, and use of audio-visual equipment. Please note: This course is intended for students in the Recreation Facility Operations and Recreation Management programs. Instruction (3.0). Equivalent to ORG-254.

(PED) PHYSICAL EDUCATION

PED-1123 Academic Success Athletics I 1.5 credits

This course is designed to examine and apply the skills, attitudes and priorities necessary to succeed as a student athlete. Students will understand the complexities of managing post-secondary learning, field experiences and physical conditioning in order to achieve academic success. Not available for supplemental. Instruction (3.0). Equivalent to PED-123.

PED-1130 Outdoor Education • 3 credits

An exploration of a variety of outdoor activities that will be used as a means of improving one's personal fitness level and appreciation of the outdoor natural environment. Basic skills will be covered to give students a better understanding of how to participate in various lifetime outdoor activities. Course is only offered to students from the Nippon Institute of Technology. Not available for supplemental. Not eligible for Prior Learning Assessment. Instruction (3.0).

PED-1153 Training & Personalized Fitness • 1.5 credits

This course serves as a preparation for subsequent physical activity courses or for physically demanding professions. The student will be challenged to improve his/her overall fitness level through a variety of fitness training activities. There is an emphasis on wellness and lifestyle modifications, as well as team building in an enjoyable exercise climate. Not available for supplemental. Instruction (3.0). Equivalent to PED-153.

PED-1155 Applied Anatomy & Kinesiology • 3 credits

This course is an introduction to human anatomy and physiology. It also introduces students to biomechanics. Not available for supplemental. Instruction (5.0), Lab (1.0). Equivalent to PED-155. Requisite courses: Take PED-1155L (Required, Concurrent).

PED-1157 Health, Wellness and Fitness 1.5 credits

This course is designed for students planning to enter the field of Corrections. The primary goal of this course is to enhance the learner's awareness of lifestyle activities and practices which will enable them to remain healthy throughout their careers. Topics to be covered will include wellness and exercise, components of fitness, nutrition, weight management, stress management, and cardiovascular health. Physical wellness will be achieved through a variety of fitness activities. Knowledge gained will be incorporated into a personalized exercise program. Exposure to relevant employment testing will be included. Not available for supplemental. Instruction (3.0). Equivalent to PED-157.

PED-1158 Practicum I • 1.5 credits

This first year practicum course provides the student with an on-site learning experience, working closely with a supervisor within the fitness, sport and/or wellness industry. The learner will observe, participate and evaluate applied skills, content and personal experiences. Not available for supplemental. Work Experience (.). Equivalent to PED-158. Requisite courses: Take PED-1159, PED-1160, BIO-1160, ENG-1156 (Required, Previous).

PED-1159 Exercise and Healthful Living 3 credits

This course introduces students to physical fitness training principles and wellness theory. Components of lifetime wellness will be emphasized through laboratory experiences. Not available for supplemental. Instruction (3.0), Lab (1.0). Equivalent to PED-159. Requisite courses: Take PED-1159L (Required, Concurrent).

PED-1160 Weight Training and Exercise 1.5 credits

This course focuses on developing personalized fitness through weight training. Students will learn how to use free weights, machines and other forms of resistance training. They will develop their individual training program through areas of progressive resistance methods, flexibility, nutrition, safe and functional strength training techniques and exercise routines. Not available for supplemental. Instruction (3.0). Equivalent to PED-160.

PED-1161 Judo Level I • 1.5 credits

This course will emphasize Judo instruction and various other Judo techniques while standing or on the ground. The student will learn a safe approach to basic throws, breakfalls, grappling techniques, improved physical fitness and combative awareness. Not available for supplemental. Instruction (3.0). Equivalent to PED-161.

PED-1162 Leisure Activities & Sports 1.5 credits

This course focuses on a variety of indoor and outdoor activities that will be used as a means of improving students' personal fitness levels. Students will gain an appreciation and understanding of the importance of physical activity, sports skills and other lifestyle behaviours related to fitness topics. Not available for supplemental. Instruction (3.0). Equivalent to PED-162.

PED-1163 Health & Wellness I for Public Safety • 3 credits

An exploration and application of the connection between health and wellness and job performance in public safety careers. A student centred focus on physical health, stress management, culture and community. Personal fitness is practiced and improved through physical training and testing activities. Emphasis is on lifestyle modifications. Not available for supplemental. Instruction (3.0).

PED-1165 Applied Lifestyle Fitness I 1.5 credits

This course provides practical strategies and applications for maintaining and improving physical fitness and healthy lifestyles relating to the justice field. Through lectures, practical experience and evaluation, learners will address lifestyle, health and wellness modifications. Not available for supplemental. Instruction (1.0). Equivalent to PED-165. Requisite courses: Take PED-1153 or PED-1157 (Required, Previous).

Course Descriptions PED 1170 - PED 2253

PED-1170 Volleyball • 1.5 credits

An introduction to the fundamentals of volleyball as well as planning and conducting principles which are used in training sessions. Through topics and participation, students will develop skills and team play strategies, sport rules, ethical coaching, player development, practice and match management, components of a try-out camp, and injury prevention. Service Learning opportunity may be available. Not available for supplemental. Instruction (3.0). Equivalent to PED-170.

PED-1172 Latin/Hip Hop/Swing Dance 1.5 credits

This course focuses on the development of introductory skills, fundamental steps, patterns and techniques of dances (such as Merengue, Salsa, and Cumbia), variations of the Swing/Jive and other selected social dances. The Hip Hop portion of the course will focus on the development of skills, exploration of movement fundamentals and the creation of dance choreographies. The historical background of each dance style will also be taught. Not available for supplemental. Instruction (3.0). Equivalent to PED-172.

PED-1173 Basketball • 1.5 credits

This course introduces students to the fundamentals of basketball, as well as planning and conducting principles which are used in training sessions. Development of basic skills, strategies, physical conditioning, offensive and defensive team play and the rules will be emphasized. Through participation, students will fine-tune their technical skills and develop their teaching and coaching skills. Service Learning opportunity may be available. Not available for supplemental. Instruction (3.0). Equivalent to PED-173.

PED-1174 Soccer • 1.5 credits

Introduction to the fundamentals of soccer skills, strategies, training, team play and coaching. Not available for supplemental. Instruction (3.0). Equivalent to PED-174.

PED-1175 Baseball • 1.5 credits

This course introduces students to the fundamentals of baseball, as well as planning and conducting principles, which are used in training sessions. Development of basic skills, strategies, physical conditioning, team play and the rules will be emphasized.

Through participation, students will fine tune their technical skills and develop their teaching and coaching skills. This course is scheduled to be hosted in conjunction with the Prairie Baseball Academy. Not available for supplemental. Instruction (3.0). Equivalent to PED-175.

PED-1178 Resistance Training 3 credits

This course examines the theoretical and practical aspects of resistance training. Focus on scientific training principles, biomechanics, programming, and considerations for diverse populations. Not available for supplemental. Instruction (3.0).

PED-1180 Introduction to Coaching 3 credits

An introduction to the theoretical aspects of coaching which can be applied to any sport. Topics include introduction to coaching, ethical coaching, practice planning, nutrition, teaching and learning, sport program design, and mental preparation. Not available for supplemental. Instruction (3.0). Equivalent to PED-180.

PED-1185 Kickboxing and Fitness 1.5 credits

This course introduces students to combative body movements including punches, kicks, elbows, knees, and self-defence skills. Students will develop cardiovascular and muscular conditioning, flexibility, agility and mental toughness in this growing sport and fitness modality. Instruction (3.0). Equivalent to PED-185.

PED-1188 Movement Education 3 credits

The examination of the fundamental movement skills of physical literacy and how those skills connect with physical activity, health, and health promotion. Focus on leadership and pedagogical theories, exercise modification, and progression for improvement. Not available for supplemental. Instruction (3.0). Equivalent to PED-188. Prerequisite courses: Take PED-1159, PED-1178 (Required, Previous).

PED-1195 Fitness for Police Recruits 1.5 credits

This course is designed to prepare police recruits for the physical demands and lifestyle skills necessary to provide optimal health and wellbeing for police officers. Not available for supplemental. Instruction (5.0). Equivalent to PED-195.

PED-2250 Defence and Tactics 1.5 credits

This course provides instruction in defence and control tactics and restraining techniques relating to the correctional environment. Students will be required to maintain physical fitness as a necessary condition for application of tactics. Obstacle course training and testing will be provided. Not available for supplemental. Instruction (3.0). Equivalent to PED-250.

PED-2251 Self Defence and Fitness 1.5 credits

This course is designed to introduce self-defence tactics to the Criminal Justice Policing students and Conservation Enforcement students. A variety of control tactics that may be necessary in various community enforcement agencies will be taught. A fitness component will be incorporated into the self-defence training (i.e. obstacle course training, running and resistance training). Not available for supplemental. Instruction (3.0). Equivalent to PED-251.

PED-2252 Research Methods in Physical Education • 3 credits

A development of the student's concepts of measurement in kinesiology research and the critical evaluation of those concepts. Emphasis will also be placed on other aspects of the research process including terminology, referencing, data analysis and interpretation. Not available for supplemental. Instruction (3.0). Equivalent to PED-252.

PED-2253 Applied Lifestyle Fitness II 1.5 credits

This course is a continuation of Applied Lifestyle Fitness I. Learners will continue to carry out personalized exercise programs and implement lifestyle, health and wellness modifications. Not available for supplemental. Instruction (1.0). Equivalent to PED-253. Prerequisite courses: Take PED-1165 (Required, Previous).

Course Descriptions PED 2254 - PED 2267

PED-2254 Health & Wellness II in Public Safety • 3 credits

The practice of creating communities that encourage wellness. Focus is on mentorship, implementation of strategies for maintaining lifelong health and meeting personal goals for health and wellness. An application of physical health, stress management, culture and community. A focus on physical training and testing to meet job requirements that can be adopted as a long term lifestyle routine. Not available for supplemental. Instruction (3.0). Requisite courses: Take PED-1163 (Required, Previous).

PED-2255 Physical Readiness Training 3 credits

Prepares students with awareness training and functional movement skills for occupational settings such as public safety. Emphasis on enhancing physical and skill related proficiency and effectiveness in dealing with a physical threat. Basic falling and grappling safety skills reinforcing awareness of occupational stressful situations. Stressors on the job, i.e. shift work, nutrition, cardiovascular health and review of various common injuries. Not available for supplemental. Instruction (1.5), Lab (1.5). Requisite courses: Take PED-2255L (Required, Concurrent).

PED-2256 Prevention & Care of Athletic Injuries • 3 credits

An overview of the scope of practice and the best practices in the prevention and care of athletic injuries. Includes the theory and practice of therapeutic exercise. Application activities provide practical experiences to parallel the theory component. Not available for supplemental. Instruction (3.0). Equivalent to PED-256. Requisite courses: Take BIO-1169 (Required, Previous).

PED-2257 Therapeutic Exercise 3 credits

This course will discuss principles of therapeutic exercise to treat the injured physically active person, to facilitate enhanced recovery and to ensure a safe return to activity. This course will incorporate lecture, demonstration and laboratory experience to instruct principles of therapeutic exercise. Students will be taught different types of stretches and the rationale for stretching. Therapeutic exercise principles and practices related to patient treatment will include stretching, proprioceptive neuromuscular facilitation, and exercise equipment.

Students will develop detailed programs related to each stretch/therapeutic exercise. Instruction (1.0), Lab (2.0). Equivalent to PED-257, PED-135. Requisite courses: Take BIO-1146 or BIO-1161 (Required, Previous). Take PED-2257L (Required, Concurrent).

PED-2258 Practicum • 3 credits

The learner will apply skills, knowledge and techniques through various fitness modules acquired from several second-year courses relating to exercise prescription and individual/team program design for the fitness and sports industry. The practicum will be approximately 45-55 hours. Not available for supplemental. Work Experience (). Equivalent to PED-258. Requisite courses: Take PED-2256, PED-2262, PED-2265, PED-2267, COM-1162 (Required, Previous). Take PED-2259 (Required, Concurrent).

PED-2259 Exercise Program Design 3 credits

A comprehensive overview of exercise prescription principles and techniques. Includes theory and practical application of evidence based exercise programming for the general, youth, prenatal, and elderly populations. Documentation, professionalism, and monitoring will also be discussed. Not available for supplemental. Instruction (3.0). Equivalent to PED-259. Requisite courses: Take PED-1188, PED-2262, PED-2267 (Required, Previous).

PED-2260 Biomechanics & Applied Kinesiology • 3 credits

An introduction to the study of biomechanics and its application to human movement analysis. Topics include angular and linear kinematics and kinetics of movement, equilibrium, and structural assessment/correction. Not available for supplemental. Instruction (3.0). Equivalent to PED-260. Requisite courses: Take BIO-1169 (Required, Previous).

PED-2261 Adapted Physical Activity 3 credits

An examination of various psychomotor disabilities. The application of the impact and challenges of physical activity delivery to persons with disabilities. Not available for supplemental. Instruction (3.0). Requisite courses: Take PED-1159, PED-2252 (Required, Previous).

PED-2262 Exercise Physiology 3 credits

This course develops the student's understanding of how the body's physiological systems function during exercise and how these systems adapt to physical training. The influences of environment, nutrition, age and gender on exercise performance will also be discussed. Instruction (2.0), Lab (2.0). Equivalent to PED-262, PED-255. Requisite courses: Take BIO-1169, BIO-1180, PED-2252 (Required, Previous). Take PED-2262L (Required, Concurrent).

PED-2264 Applied Lifestyle Fitness III 1.5 credits

Based on the knowledge acquired through Applied Lifestyle Fitness I and II, learners will be required to apply appropriate health and fitness skills to maintain or increase an overall physical fitness level that will allow the learner to work toward meeting or achieving the standards of pre-employment fitness tests in the justice field. Not available for supplemental. Instruction (1.0). Equivalent to PED-264. Requisite courses: Take PED-2253 (Required, Previous).

PED-2265 Career Explorations 1.5 credits

An introduction to the requirements of employment within an exercise science workplace. Focus is on types of positions in field, qualities required to work within a team, and certifying bodies within the industry. Not available for supplemental. Instruction (3.0).

PED-2267 Fitness Assessment 3 credits

Development of the student's theoretical knowledge and practical skills in health-related fitness assessment and lifestyle counseling is the main focus of this course. Not available for supplemental. Instruction (2.0), Lab (2.0). Equivalent to PED-267, PED-265. Requisite courses: Take BIO-1169, PED-2252 (Required, Previous). Take PED-2267L (Required, Concurrent).

Course Descriptions PED 2271 - PHY 0095

PED-2271 Advanced Conditioning 3 credits

This course will provide opportunities for students to develop their personal fitness, athletic abilities and performance. Students will develop theoretical and practical experience in designing and instructing high intensity workouts. Safety concerns, exercise equipment, techniques and prescription will be covered. Students will also gain skills in designing periodization plans for both individual and team sports. Not available for supplemental. Instruction (3.0). Equivalent to PED-271. Requisite courses: Take PED-1178 and PED-2262 (Required, Previous).

PED-2272 Leadership in Physical Education • 3 credits

This course focuses on the relationship between theory and practice and the development of skills required for leadership for coaches and administrators. Leadership styles, organizational theories and personal development will be reviewed in addition to the discussion of current literature, exploring concepts through personal experience, and reflective thinking and cooperative activities. Not available for supplemental. Instruction (3.0). Equivalent to PED-272. Requisite courses: Take PED-1180, PED-1188, or PED-1159 (Required, Previous).

PED-2274 Exercise & Chronic Conditions • 3 credits

An examination of the treatment of various chronic conditions with exercise training. Application of special considerations such as pathophysiology, medications, behaviour change models and injury prevention will be included. Not available for supplemental. Instruction (3.0). Requisite courses: Take PED-2262 and PED-2267 (Required, Previous).

PED-2276 Weight Training & Exercise II 1.5 credits

This course focuses on the theoretical concepts pertaining to weight training as well as practical applications using free weights and machines. Students will learn weight training exercises and concepts involved with periodization programming. The course will build on the topics introduced in PED160. Not available for supplemental. Instruction (3.0). Equivalent to PED-276. Requisite courses: Take PED-1160 (Required, Previous).

PED-2280 Advanced Coaching 3 credits

This course examines advanced theoretical concepts in coaching which can be applied to any sport. Topics include developing athletic abilities, prevention of injury and recovery, coaching and leading effectively, psychology of performance, managing conflict, doping prevention, and the long-term athlete developmental model. Not available for supplemental. Instruction (3.0). Equivalent to PED-280. Requisite courses: Take PED-1180 (Required, Previous).

PED-2282 Judo Level II • 1.5 credits

This course is designed to teach students more advanced levels of Judo techniques based on the fundamental principles of Judo, Seiryoku-Zenyo (maximum efficiency/maximum effort), and Jita Kiyoei (mutual welfare and benefit). A minimum Yellow Belt or completion of Judo Level I is recommended in order to be successful in this course. Not available for supplemental. Instruction (3.0). Equivalent to PED-282.

(PEN) PERIOPERATIVE NURSING

PEN-3390 Standards of Perioperative Nursing • 3 credits

An introduction to the specialty of perioperative nursing and the exploration of the perioperative experience of the patient. Roles of the surgical team is also highlighted. Not available for supplemental. Instruction (5.0). Equivalent to NSG-3390, NSG-390.

PEN-3393 Implementation of Standards 6 credits

A continuation of application of the scrub and circulating roles/skills in an authentic clinical setting. Not available for supplemental. Instruction (6.0). Equivalent to NSG-3393, NSG-393. Requisite courses: Take PEN-3390, PEN-3395, PEN-3396. (Required, Previous).

PEN-3394 Perioperative Practicum 3 credits

This comprehensive practicum provides the opportunity to further develop the skills and knowledge of a perioperative nurse under the supervision of a preceptor. This practicum may occur at the Chinook Regional Hospital or alternative rural sites. Out-of-region placements may be considered. Not available for supplemental.

Work Experience (). Equivalent to NSG-3394, NSG-394. Requisite courses: Take PEN-3390, PEN-3393, PEN-3395, PEN-3396 (Required, Previous).

PEN-3395 Standards of Scrub & Circulating Role • 3 credits

An exploration of the scrub and circulating roles of perioperative nursing, as identified in the ORNAC Standards. Aseptic technique will be introduced in the context of the perioperative setting. Patient focused nursing assessments and nursing care plans will be introduced. Surgical procedures will be explored along with the factors that have implications to patient outcomes. Not available for supplemental. Instruction (2.0). Equivalent to NSG-3395, NSG-395.

PEN-3396 Competencies of Scrub & Circulating Role • 3 credits

A lab-based introduction to the roles of the scrub and circulating nurses as identified in the ORNAC competencies. The basic skills of the perioperative nurse are demonstrated and practiced in an authentic environment, currently at the Chinook Regional Hospital, but may be opened to additional approved facilities. Not available for supplemental. Instruction (2.0). Equivalent to NSG-3396, NSG-396. Requisite courses: Take PEN-3390, PEN-3395 (Required, Previous).

(PHY) PHYSICS

PHY-0085 Physics 0085 • 5 credits

This algebra based physics course gives an understanding of the properties of the world in and around us. Topics covered are Newton's laws of motion, including two dimensional vector motion and gravity. Waves in general and wave properties are also covered. Students registering for this course should have completed an introductory physics course, SCI-0075 or equivalent. Not available for supplemental. Instruction (4.0), Lab (1.0). Equivalent to PHY-0085. Requisite courses: Take PHY-0085L (Required, Concurrent).

PHY-0095 Physics 0095 • 5 credits

An algebra based physics course exploring further into the world around us and into our universe. Topics covered are mechanics (gravitation and momentum), static and current electricity, magnetic fields and electromagnetic induction, properties of the electron, atom and nucleus.

Course Descriptions PHY 1143 - PNG 1148

Students registering for this course should have completed PHY-0085 and MTH-0085 or equivalents. Not available for supplemental. Instruction (4.0), Lab (1.0). Equivalent to PHY-095. Requisite courses: Take PHY-0095L (Required, Concurrent).

PHY-1143 Applied Physics • 3 credits

Physics concepts in this course will be applied to practical topics found in engineering applications. Topics include one and two dimensional kinematics, vectors, work and energy, simple machines, efficiency, wave and vibration as applied in survey and remote sensing, and an introduction to fluid mechanics. Not available for supplemental. Instruction (3.0). Equivalent to PHY-143, PHY-153.

(PLT) PLANT SCIENCE

PLT-1152 Introduction to Botany 3 credits

This course is an introduction to plants and plant-like organisms. It includes the study of morphological, anatomical, and physiological characteristics of plants, as well as an examination of the ecological role of plants in the environment. The emphasis in introductory botany will be to provide students with an understanding of the basic structure of plants, life processes, and adaptations to various environmental factors. The course includes lab work that will provide the opportunity to develop skills in handling histological material and plant species, as well as basic taxonomy. Instruction (2.0), Lab (2.0). Equivalent to PLT-152. Requisite courses: Take PLT-1152L (Required, Concurrent).

PLT-1155 Pasture and Forage Production • 3 credits

This course is a comprehensive introduction to the production and management of pasture and forage crops in Western Canada. Topics include the production and marketing of forage seed, management decisions that affect the quality and price of irrigated and dryland forages for the export market, the use of domesticated and native forages for conservation and reclamation, and the advantageous use of forages in rotation with other crops and in organic farming technologies. Labs provide hands-on skills in plant identification and in the selection of seeds and forage seed mixtures. Instruction (2.0), Lab (2.0). Equivalent to PLT-155, PLT-150. Requisite courses: Take PLT-1155L (Required, Concurrent).

PLT-2260 Special Crops • 3 credits

This course covers physiology, growth and development, pest control, harvest, storage, quality characteristics, and marketing of the following crops: potatoes, sugar beets, green and dry peas, chickpeas, lentils, beans, fababeans, and special herbs grown in Alberta. A feasibility study will be done on at least two special crops to determine their economic practicality. Instruction (2.0), Lab (2.0). Equivalent to PLT-260. Requisite courses: Take PLT-1152 (Required, Previous). Take PLT-2260L (Required, Concurrent).

PLT-2261 Weed Identification • 3 credits

This course covers the classification and identification of weeds common to Western Canada. Non-chemical control of weeds is included, along with a preliminary introduction to chemical weed control. Instruction (2.0), Lab (2.0). Equivalent to PLT-261, AGR-271. Requisite courses: Take PLT-1152 (Required, Previous). Take PLT-2261L (Required, Concurrent).

PLT-2262 Field Crops • 3 credits

Examines different methods of growing cereal and oilseed crops, including improved varieties and hybrids, which are common to Western Canada. In addition, weed control, crop insects and diseases and methods of crop harvesting, storing, and marketing are covered. Instruction (2.0), Lab (2.0). Equivalent to PLT-262, AGR-278. Requisite courses: Take PLT-1152 (Required, Previous). Take PLT-2262L (Required, Concurrent).

PLT-2263 Pesticide Application 3 credits

This course prepares the learner to write the Alberta Certified Pesticide Applicators License Examination. The course includes basic information about pesticide regulations and safe, effective pesticide use, federal and provincial pesticide regulations and guidelines. Topics include insect biology, insecticides, weed biology, herbicides, microorganisms, fungi, fungicides, equipment calibration calculations, industrial vegetation, and pests of trees, shrubs, and turf. Upon completion of this course, the learner may apply to write the licensing examination. Instruction (4.0). Equivalent to PLT-263.

(PNG) PRACTICAL NURSING

PNG-1145 Health and the Practical Nurse • 3 credits

An introduction to the professional role of the practical nurse within the Canadian health care system. Focus on the nursing process, nursing theories, and wellness in the context of client diversity. Not available for supplemental. Instruction (3.0). Equivalent to NSG-1145, NSG-145. Requisite courses: Take PNG-1146 and PNG-1147 (Required, Concurrent).

PNG-1146 Basic Nursing Skills 3 credits

An introduction to the basic skills needed to support clients/patients with the activities of daily living, while integrating concepts of health promotion, client/patient and worker safety. Not available for supplemental. Instruction (3.0). Equivalent to NSG-1146, NSG-146. Requisite courses: Take PNG-1145 and PNG-1147 (Required, Concurrent).

PNG-1147 Practical Nursing Clinical I 1.5 credits

An introduction to the application of theory and skills from semester one of the Practical Nursing program. Primary placement will be in a long-term care facility and requires students to practice introductory skills while assisting clients with varied needs. Not available for supplemental. Grading: Pass/Fail. Work Experience (0). Equivalent to NSG-1147, NSG-147. Requisite courses: Take PNG-1145 and PNG-1146 (Required, Concurrent).

PNG-1148 Health and Individuals 3 credits

Course focus will be on health and individuals and the role of the practical nurse. Students will develop an understanding of common personal and environmental factors that threaten health and wellness, as well as the body's protective responses to such conditions. The potential for healthy responses to becoming pathological will be explored. Not available for supplemental. Instruction (3.0). Equivalent to NSG-1148, NSG-148. Requisite courses: Take PNG-1145, PNG-1146, PNG-1147, BIO-1160 (Required, Previous). Take PNG-1149, PNG-1154, PNG-1159 and PNG-1167 (Required, Concurrent).

Course Descriptions PNG 1149 - PNG 2257

PNG-1149 Intermediate Nursing Skills 3 credits

An intermediate nursing course to develop and enhance existing knowledge and skills related to fundamentals of medication administration and sterile principles in conjunction with clinical nursing skills needed to support clients in meeting more complex health needs. Not available for supplemental. Instruction (3.0). Equivalent to NSG-1149, NSG-149. Requisite courses: Take PNG-1145, PNG-1146, PNG-1147, BIO-1160 (Required, Previous). Take PNG-1148, PNG-1154, PNG-1159 and PNG-1167 (Required, Concurrent).

PNG-1154 Practical Nursing Clinical II 3 credits

An application of basic theory and skills from semesters one and two of the Practical Nursing program in a long-term care setting. Focus is on basic care, health assessment, medication administration and communication with clients experiencing chronic health challenges. Not available for supplemental. Not eligible for Prior Learning Assessment. Graded: Pass/Fail. Work Experience (). Equivalent to NSG-1154, NSG-154. Requisite courses: Take PNG-1145, PNG-1146, PNG-1147, BIO-1160, COM-1162 and ENG-1150 (Required, Previous). Take PNG-1148, PNG-1149, PNG-1159 and PNG-1167 (Required, Concurrent).

PNG-1159 Pharmacology • 3 credits

The students will apply theoretical and practical knowledge of therapeutic drugs, their effects on the body, and nursing responsibilities related to medication administration. Not available for supplemental. Instruction (3.0). Equivalent to NSG-1159, NSG-159. Requisite courses: Take BIO-1160 (Required, Previous).

PNG-1167 Health Assessment • 3 credits

Focus is on developing knowledge of the core principles and skills needed for holistic health assessment through opportunities for theoretical and practical application. Not available for supplemental. Instruction (2.0), Lab (2.0). Equivalent to NSG-1167, NSG-167. Requisite courses: Take PNG-1145, PNG-1146, PNG-1147, BIO-1160 (Required, Previous). Take PNG-1148, PNG-1149, PNG-1154, PNG-1159 and PNG-1167L (Required, Concurrent).

PNG-2251 Health and Illness • 3 credits

Course focus will be on health and illness and the role of the practical nurse in promoting health in clients with common acute and chronic health challenges. Students will participate in this process-oriented course to further develop critical thinking skills needed to determine nursing assessment and management priorities based on health data. Not available for supplemental. Instruction (3.0). Equivalent to NSG-2251, NSG-251. Requisite courses: Take PNG-1167, PNG-1148, PNG-1149, PNG-1159, BIO-1161 (Required, Previous). Take PNG-2252, PNG-2253 and PNG-2256 (Required, Concurrent).

PNG-2252 Senior Nursing Skills 3 credits

Focus is on developing nursing skills commonly used in acute and complex settings, while reinforcing theories and practical applications learned in semesters one and two. Not available for supplemental. Instruction (3.0). Equivalent to NSG-2252, NSG-252. Requisite courses: Take PNG-1148, PNG-1149, PNG-1159, PNG-1154, PNG-1167, BIO-1161 (Required, Previous). Take PNG-2251, PNG-2253, PNG-2254 and PNG-2256 (Required, Concurrent).

PNG-2253 Practical Nursing Clinical III 3 credits

An application of theory and skills from semesters one, two and three from the Practical Nursing program in an acute care setting. Emphasis is on integrating complex skills and mental health concepts in the care of clients experiencing acute and chronic health challenges. Not available for supplemental. Not eligible for Prior Learning Assessment. Graded: Pass/Fail. Work Experience (). Equivalent to NSG-2253, NSG-253. Requisite courses: Take PNG-1148, PNG-1149, PNG-1154, PNG-1159, PNG-1167, BIO-1161 (Required, Previous). Take PNG-2251, PNG-2252, PNG-2253 and PNG-2254 (Required, Concurrent).

PNG-2254 Mental Health Nursing 3 credits

Focus is to gain knowledge of common mental health challenges and illnesses. Major theory includes promotion and management of mental health disorders through the life cycle and within various healthcare settings. Not available for supplemental. Instruction (3.0).

Equivalent to PSY-2251, PSY-251.

Requisite courses: Take PNG-1148 PNG-1149 PNG-1154 PNG-1159 PNG-1167 BIO-1161 (Required, Previous). Take PNG-2251, PNG-2252, PNG-2253 and PNG-2256 (Required, Concurrent).

PNG-2255 Professional Growth 3 credits

An exploration of the more advanced roles for the professional practical nurse as interprofessional team member, mentor, manager, and communicator. Emphasis is on leadership, ethical decision making, and career readiness. Not available for supplemental. Not eligible for Prior Learning Assessment. Instruction (3.0). Equivalent to HTH-2255, HTH-255. Requisite courses: Take PNG-2251, PNG-2252, PNG-2253, PNG-2254, PNG-2256, PSY-1170 (Required, Previous). Take PNG-2257, PNG-2258, PNG-2259 and PNG-2267 (Required, Concurrent).

PNG-2256 Pathophysiology • 3 credits

Students will have the opportunity to gain knowledge and understanding of physical pathology that threatens health status. The course will provide a sound theoretical base for students within a variety of health care settings. Not available for supplemental. Instruction (3.0). Equivalent to NSG-2256, NSG-256. Requisite courses: Take PNG-1159, PNG-1167, BIO-1160, BIO-1161 (Required, Previous). Take PNG-2251 and PNG-2252 (Required, Concurrent).

PNG-2257 Health and Families 3 credits

Course focus will be on health and families and the role of the practical nurse in promoting health and wellness during child-bearing and child-rearing years. Major theory includes ante-partum, intra-partum, and post-partum nursing process and practice. Care of newborns, infants, children and teens in health and illness is explored. Not available for supplemental. Instruction (4.0). Equivalent to NSG-2257, NSG-257. Requisite courses: Take PNG-2251, PNG-2252, PNG-2253, PNG-2254, PNG-2256, PSY-1170 (Required, Previous). Take PNG-2258, PNG-2259 and PNG-2267 (Required, Concurrent).

Course Descriptions PNG 2258 - PSC 2250

PNG-2258 Full Scope of Practice Nursing Skills • 3 credits

A further application towards building skills for competent nursing practice. Focus is on the nursing process, theory, systems and principles necessary to become a practical nurse. Theory and practice will be provided to enable students to reach competence in their full scope of practice. Not available for supplemental. Instruction (2.0). Equivalent to NSG-2258, NSG-258. Requisite courses: Take PNG-2251, PNG-2252, PNG-2256, PNG-2253, PNG-2254, PSY-1170 (Required, Previous). Take PNG-2257, PNG-2259 and PNG-2267 (Required, Concurrent).

PNG-2259 Practical Nursing Clinical IV 6 credits

The cumulative application of theory and skills developed throughout the Practical Nursing program in acute care settings. Emphasis is on integrating family health concepts and leadership into client care and developing entry level competency in full scope of practice skills. Not available for supplemental. Not eligible for Prior Learning Assessment. Graded: Pass/Fail. Work Experience (). Equivalent to NSG-2259, NSG-259. Requisite courses: Take PNG-2251, PNG-2252, PNG-2253, PNG-2254, PNG-2256, PSY-1170 (Required, Previous). Take PNG-2255, PNG-2257, PNG-2258 and PNG-2267 (Required, Concurrent).

PNG-2260 Full Scope of Practice Skills (Practice IV) • 3 credits

A further application towards building skills for competent nursing practice. Focus is on the nursing process, theory, systems and principles necessary to become a practical nurse. Theory and practice will be provided to enable students to reach competence in their full scope of practice. Not available for supplemental. Not eligible for Prior Learning Assessment. Instruction (3.0). Requisite courses: Take PNG-2251, PNG-2252, PNG-2253, PNG-2254, PNG-2256, PSY-1170 (Required, Previous). Take PNG-2257, PNG-2259, PNG-2267 (Required, Concurrent).

PNG-2267 Community Nursing 3 credits

The focus of this course is on developing nursing knowledge and skills needed to provide care to a variety of individuals, families and groups in the community who are at various positions on the age and health continuum. Students will explore the determinants of health and concepts of holistic care that support health promotion and disease prevention.

Not available for supplemental. Instruction (3.0). Equivalent to NSG-2267, NSG-267. Requisite courses: Take PNG-2251, PNG-2252, PNG-2253, PNG-2254, PNG-2256, PSY-1170 (Required, Previous). Take PNG-2257, PNG-2258 and PNG-2259 (Required, Concurrent).

PNG-2277 Comprehensive Practicum 6 credits

A final comprehensive practicum placement for students to apply knowledge, skills, and attitudes gained throughout their educational experience under the guidance of a preceptor. Clinical practice will encompass entry level full scope of practice skills in a variety of settings. Not available for supplemental. Not eligible for Prior Learning Assessment. Graded: Pass/Fail. Work Experience (). Equivalent to NSG-2277, NSG-277. Requisite courses: Take PNG-2255, PNG-2257, PNG-2258, PNG-2259, PNG-2267 and SOC-1167 (Required, Previous).

(PRS) PRESENTATIONS

PRS-1155 Speech • 3 credits

Students will learn and practice the extemporaneous approach to public speaking. Speeches will be planned, prepared, practiced and delivered with the aid of brief notes. Impromptu speaking will also be addressed. The basic objective of the course is to develop skills in oral communication and presentations. Not available for supplemental. Instruction (3.0). Equivalent to PRS-155, SPH-155.

PRS-1172 Effective Presentation & Speech • 3 credits

An important component in the development of positive relationships between criminal justice professionals and their communities is communication. The ability to present information in a confident and professional manner is an important career skill. This course has been designed specifically for future criminal justice personnel to teach them how to develop and deliver both individual and group presentations in preparation for their leadership roles. Not available for supplemental. Instruction (3.0). Equivalent to PRS-172, CJP-172.

(PSC) POLITICAL SCIENCE

PSC-1150 Local Government • 3 credits

This course provides students with an introduction to politics at the local level including the local political process, public policy formulation and public opinion. Municipal political and governmental institutions will be examined within the context of intergovernmental relations and the Canadian federal system of government. Service Learning opportunity may be available. Not available for supplemental. Instruction (3.0). Equivalent to PSC-150.

PSC-1161 Introduction to Politics 3 credits

This course will provide an overview of governmental institutions and political processes through the examination of concepts of political inquiry, ideologies, political systems, and political processes. Service Learning opportunity may be available. Not available for supplemental. Instruction (3.0). Equivalent to PSC-161.

PSC-1165 Canadian Government 3 credits

This course provides a structural overview of the federal system of government in Canada by way of analysing its major institutions. The course examines the Constitution and its implications for modern life, federal/provincial jurisdiction, the dynamics of changing relationships between levels of government, and the basics of political parties, the media, bureaucracy and the judicial system will be examined. Service Learning opportunity may be available. Not available for supplemental. Instruction (3.0). Equivalent to PSC-165.

PSC-2250 Parties and Elections 3 credits

The examination of the development and transformations of Canadian political parties, electoral systems, public opinion, political participation and citizenship within the context of changing representational models and demands. Not available for supplemental. Instruction (3.0). Equivalent to PSC-250. Requisite courses: Take any one of PSC-1161, PSC-1165, PSY-1160, HIS-2265 or STS-2270 (Required, Previous).

Course Descriptions PSC 2260 - PSY 2255

PSC-2260 International Relations 3 credits

This course explores theories of world politics, and structures and processes of international relations and foreign policy. Students will be introduced to major international issues in world politics including globalization, international conflict, economic alliances, terrorism, human rights and global security. Not available for supplemental. Instruction (3.0). Equivalent to PSC-260. Requisite courses: Take any one of ENG-1150, HIS-1170, HUM-1155, PSC-1161 or PSC-1165 (Required, Previous).

PSC-2280 Political Philosophy 3 credits

This course provides students with an introduction to western political philosophy and the sub-discipline of political theory by focusing on the quest for the just political regime. Concepts of citizenship, rights, obligations, and the role of the state will be analyzed by introducing students to the great texts of classical, medieval and modern political philosophy. Not available for supplemental. Instruction (3.0). Equivalent to PSC-280. Requisite courses: Take any one of PSC-1161, PSC-1165, HIS-1170, HUM-1150, HUM-1155, HUM-1190, PSY-1160 or SOC-1160 (Required, Previous).

(PSY) PSYCHOLOGY

PSY-1140 Psychology and Life 3 credits

This course examines everyday topics related to psychology and personal growth. These topics include the self, personality, human learning, wellness, psychological disorders, the family, parenting, and life transitions. This course will not count as part of a concentration in psychology and is not a prerequisite for any other course in psychology. Not available for supplemental. Instruction (3.0). Equivalent to PSY-140.

PSY-1160 Introduction to Psychology 3 credits

This course gives students a basic understanding and overview of the field of psychology. Attention is given to the scientific method, biological factors, cognitive processes, learning, memory, intelligence, motivation, personality and social psychology.

Developmental factors of the lifespan are explored along with the definition, and treatment of psychological disorders. Not available for supplemental. Instruction (3.0). Equivalent to PSY-160.

PSY-1168 Sport and Exercise Psychology • 3 credits

An introduction to the applied practice of the psychosocial concepts of human behaviour as it relates to physical activity, sport, and health. Concepts affecting both groups and individuals will be addressed. Not available for supplemental. Instruction (3.0).

PSY-1170 Human Development Across the Lifespan • 3 credits

This course is an introduction to the study of human development across the lifespan. Major theories of development will be presented with emphasis on the sequence of psychological and social growth. Developmental changes that occur in the physical, emotional, cognitive, and social areas will be examined. Not available for supplemental. Instruction (3.0). Equivalent to PSY-170.

PSY-1171 Child Growth & Development 3 credits

This course covers the growth and development of children from infancy to middle childhood. Students will have the opportunity to apply major theories of child development to the understanding of early childhood growth and development. The physical, social, emotional, language, cognitive, moral, and intellectual development of the young child will be examined. Not available for supplemental. Instruction (3.0). Equivalent to PSY-171. Requisite courses: Take PSY-1160 or PSY-1170 (Required, Previous).

PSY-1177 Psychology of Aging 3 credits

This course provides an orientation to the psychological changes that occur through adulthood and old age. Students will be introduced to basic theoretical models, research methods, and current information. A major goal is to contrast existing myths about adult development with the best available empirical evidence to separate myths from realities. Included is a practical emphasis on measures that may be used to successfully prepare for, or adapt to, the psychological changes of aging. Not available for supplemental. Instruction (3.0). Equivalent to PSY-177.

PSY-1179 Adolescent Development 3 credits

This course covers basic knowledge of adolescent biological, cognitive, and psychosocial development. The major theories of adolescent development are presented. The important development tasks of this life stage are taught through the interrelationship of physical, intellectual, emotional, and social factors in adolescent development. Not available for supplemental. Instruction (3.0). Equivalent to PSY-179. Requisite courses: Take PSY-1160 or PSY-1170 (Required, Previous).

PSY-2250 Educational Psychology 3 credits

This course applies the principles of psychology to the teaching learning process within the classroom. Current theories and research in education will be discussed. Topics such as cognitive and moral development, principles of learning, motivation and social cognition will be covered. Not available for supplemental. Not eligible for Prior Learning Assessment. Instruction (3.0). Equivalent to PSY-250, PSY-175. Requisite courses: Take PSY-1170 (Required, Previous).

PSY-2253 Child Psychopathology 3 credits

This course will provide students with the opportunity to examine, on an introductory basis, the origins and symptoms of the various emotional and behavioural difficulties experienced by young people. Emphasis will be placed on the causes, symptoms, and treatment of organic, social/emotional, developmental, and learning disorders. The information and knowledge obtained in this course will assist the student in understanding the dynamics of mental health and mental illness in our society. Not available for supplemental. Instruction (3.0). Equivalent to PSY-253. Requisite courses: Take PSY-1160 or PSY-1170 (Required, Previous).

PSY-2255 Psychology of Sports 3 credits

The exploration of how psychology is related to sport. A focus on understanding the influence of emotional controls, learning theory, social psychology, and personality theory and how they can be applied to development of athletes and coaches at various levels. Not available for supplemental. Instruction (3.0). Equivalent to PSY-255. Requisite courses: Take PSY-1160, PSY-1170, or PSY-1168 (Required, Previous).

Course Descriptions PSY 2260 - RDG 0096

PSY-2260 Abnormal Psychology 3 credits

This course examines the developmental processes and the manifestations/ characteristics/symptoms of the range of the major types of psychopathology. The current Diagnostic & Statistical Manual (DSM) will be used as a basis for classification of abnormal behaviour. Students will be expected to analyse pathological behaviour from a variety of perspectives and related treatment approaches. Service Learning opportunity may be available. Not available for supplemental. Instruction (3.0). Equivalent to PSY-260, PSY-200. Requisite courses: Take PSY-1160 or PSY-1170 (Required, Previous).

PSY-2270 Intro to Personality Theory 3 credits

This course will address aspects of both the historical and current theories of personality development. These include theory, testing, assessment and applied research. Not available for supplemental. Instruction (3.0). Equivalent to PSY-270. Requisite courses: Take PSY-1160 or PSY-1170 (Required, Previous).

PSY-2275 Forensic Psychology 3 credits

This course examines the issues and controversies in crime and justice from a psychological perspective. Human behaviour and criminal patterns are linked to deepen the understanding of crime and criminals in our society. The development of the criminal mind in a societal context will be explored. Not available for supplemental. Instruction (3.0). Equivalent to PSY-275. Requisite courses: Take PSY-1160 or PSY-1170 (Required, Previous).

PSY-2277 Addictions Treatment 3 credits

This course will examine a variety of theories, models and techniques concerning the identification, assessment and treatment of addictions. The course will provide students with the opportunity to openly examine topics in the area of addictive and/or excessive behaviours and to consider how these issues can be addressed from various perspectives. Not available for supplemental. Instruction (3.0). Equivalent to PSY-277.

PSY-2280 Social Psychology • 3 credits

Your life is social. Normal everyday human life involves interacting with other people. This course considers the scientific study of the relationships between social thought, social behavior, and social situations.

We will consider issues that are central to our social interactions such as social perception, attitude change, conformity and obedience, aggression, pro-social behavior, and attraction. Not available for supplemental. Instruction (3.0). Equivalent to PSY-280. Requisite courses: Take PSY-1160 or PSY-1170 (Required, Previous).

PSY-2290 Brain and Behaviour 3 credits

This course explores the biological basis of behaviour. Topics include: How the nervous system functions, how drugs and hormones influence the brain and behaviour, and, at a neurological level, how we perceive the world, how we respond to the world, the causes of emotion, what happens when we sleep, how we learn and remember, and what happens when our brain misbehaves. Not available for supplemental. Instruction (3.0). Equivalent to PSY-290. Requisite courses: Take PSY-1160 or PSY-1170 (Required, Previous).

PSY-2299 Independent Study Psychology • 3 credits

This is a learning experience where individual students pursue a topic related to psychology in-depth. Students are responsible for working with their instructor to develop an outline of the project they wish to undertake. Further information may be obtained from the Program Chair. Instruction (3.0). Equivalent to PSY-299. Requisite courses: Take any one of PSY-2253, PSY-2255, PSY-2260, PSY-2270, PSY-2275, PSY-2280, or PSY-2290 (Required, Previous).

PSY-3350 Psychology of Criminal Behaviour • 3 credits

The application of psychological research to the understanding, prediction, and treatment of criminal behaviour. A study of psychological theories of crime leads to a focus on the role of psychological factors and resulting disorders in violence and criminal behaviour. Topics include the influence of psychology on witness and jury behaviour, police investigation and interviewing as well as the issue of mental competence. Not available for supplemental. Instruction (3.0).

PSY-3355 Violence & Criminal Behaviour • 3 credits

Students explore the roots and manifestations of violence in Canadian society, and the implication of violence for the justice system. The management of violent offenders, on an individual basis and in gangs, is the primary focus of this course.

Techniques for diffusing violent behaviour are also learned and applied in practice. Instruction (3.0). Equivalent to PSY-355, COR-355.

(RDG) READING

RDG-0075 Developing Reading Efficiency • 5 credits

A development of skills in effective reading and clear thinking. Topics covered include a variety of essential reading skills, such as identifying main ideas and supporting details, understanding patterns of organization, making inferences, and evaluating arguments. The related skills of outlining, mapping, and summarizing will also be introduced. Students registering in this course should have successfully completed ENG-0063 or have been placed at this level through an assessment test. Not available for supplemental. Instruction (5.0). Equivalent to RDG-075.

RDG-0085 Reading 0085 • 5 credits

An intermediate course to help students improve their general level of reading in preparation for further academic studies. Topics covered are the reading process, vocabulary development, main ideas and supporting details, patterns of organization, inferences, fact and opinion, visual aids, and note-taking. Students registering in this course should have successfully completed RDG-0075 or equivalent. Not available for supplemental. Instruction (5.0).

RDG-0096 College Reading Essentials 5 credits

A preparation for the demands of further academic studies and to improve reading comprehension levels so that students can meet post-secondary program admission requirements. Topics covered are learning style and learning strategies, taking notes in class, understanding paragraphs, following thought patterns, evaluating the author's message and techniques, expanding vocabulary, reading graphics and evaluating visual and online sources, preparing for and taking exams, and improving reading rate and flexibility. Students registering in this course should have successfully completed RDG-0085 or equivalent. Not available for supplemental. Instruction (5.0). Equivalent to RDG-096.

Course Descriptions RRM 1197 - RRM 2291

(RRM) RENEWABLE RESOURCE MANAGEMENT

RRM-1197 Spatial Information Techniques • 3 credits

This course involves map reading, types of maps and their uses, and interpreting map features. Some major topics include location, scale and topographic measurements. Black and white, and color aerial photographs are used to identify important features of the landscape. Satellite imagery is reviewed in relation to global positioning systems (GPS) and geographic information systems (GIS). Not available for supplemental. Instruction (3.0), Lab (2.0). Requisite courses: Take RRM-1197L (Required, Concurrent).

RRM-2250 Grassland & Forest Resources • 3 credits

A study of grassland and forest ecosystems with an emphasis on ecological processes, plant succession, responses to disturbances, habitat classification, and integrated management strategies. Rangeland, forest and riparian health assessments are studied and practiced along with woody and herbaceous plant identification and vegetation inventory procedures. Not available for supplemental. Instruction (3.0), Lab (2.0). Requisite courses: Take BIO-1167, RRM-1197 (Required, Previous). Take RRM-2250L (Required, Concurrent).

RRM-2252 Water Resources • 3 credits

This course presents introductory concepts of hydrology, streamflow mechanics and hydrometric survey techniques. Major topics include watershed and hydrograph analysis, dynamics of open-channel flow, and flow measurement by wading, from bridges and cableways, boats and beneath ice cover. Applied problems are stressed in lab and field assignments. Students will use spreadsheets and specialized computer software in completing these assignments. Not available for supplemental. Instruction (3.0), Lab (2.0). Equivalent to RRM-1158, RRM-158, RRM-255. Requisite courses: Take RRM-2252L (Required, Concurrent).

RRM-2253 Soil Resources • 3 credits

This course covers the factors controlling soil formation in Western Canada and their application to the Canadian Soil Classification system, grassland communities, forest regions and habitat types. It will also cover physical and chemical properties of soils in addition to soil water relationships, nutrient supply and soil degradation in the management of selected natural resources. Field and lab skills are emphasized. Not available for supplemental. Instruction (3.0), Lab (2.0). Equivalent to RRM-1153, RRM-153, RRM-253. Requisite courses: Take RRM-2253L (Required, Concurrent).

RRM-2256 Rangeland Management • 3 credits

An examination of rangeland ecological concepts including plant successional models, plant morphology and physiology, plant responses to disturbance, vegetation management techniques, and riparian ecology. Practical field skills include plant identification, vegetation inventory and monitoring techniques, and rangeland and riparian health assessments. Not available for supplemental. Instruction (3.0), Lab (2.0). Equivalent to RRM-256, RRM-254. Requisite courses: Take BIO-1167, BIO-1170, BIO-1172 (Required, Previous). Take RRM-2256L (Required, Concurrent).

RRM-2258 Principles of Wildlife Biology • 3 credits

This course covers the various factors affecting wildlife populations such as habitat, predation, behaviour, hunting, diseases and parasites. Issues and problems facing wildlife populations are discussed including harvest strategies and recovery efforts. A complementary lab presents a survey of Alberta birds and mammals and an introduction to common techniques used in wildlife management. Not available for supplemental. Instruction (3.0), Lab (2.0). Equivalent to RRM-258. Requisite courses: Take BIO-1168, BIO-1172 (Required, Previous). Take RRM-2258L (Required, Concurrent).

RRM-2259 Fishery Science • 3 credits

This course is an introduction to fishery science, basic lake and stream survey techniques, and the identification, biology and management of important species.

Factors of aquatic productivity, introductory population dynamics, regulations and fish habitat are related to the objectives and tools of management. Not available for supplemental. Instruction (3.0), Lab (2.0). Equivalent to RRM-259. Requisite courses: Take BIO-1168, BIO-1172 (Required, Previous). Take RRM-2259L (Required, Concurrent).

RRM-2264 Forest Management • 3 credits

This course involves the study of forest management with an emphasis on ecosystem-based, sustainable forest management. The course includes the major forest regions of interior Western Canada, emphasizing component tree species, forest habitats, forest successional developments, ecosystem processes and forest landscape ecology. The course emphasizes basic principles of forest management, including: forest inventory and assessment; annual allowable cut; forest tenure; silviculture systems; harvesting methods; site preparation methods; reforestation tactics; stand improvement and forest health. A one-week field trip focuses on the practical aspects of forestry including dendrology, forest measurements, forest inventory and assessment and woodland operations. Not available for supplemental. Instruction (3.0), Lab (2.0). Equivalent to RRM-264. Requisite courses: Take BIO-1167, BIO-1172, RRM-1197 (Required, Previous). Take RRM-2264L (Required, Concurrent).

RRM-2291 Wildlife Habitat Management • 3 credits

The techniques used to describe, maintain, enhance and develop wildlife habitats are examined. Essential habitat elements are described and analyzed for priority game and non-game wildlife on a species by species basis. Modules explore agricultural habitat management, forestry habitat management, wetland management, and habitat stewardship approaches. Accompanying labs focus on habitat suitability and classification methodologies. Not available for supplemental. Instruction (3.0), Lab (2.0). Equivalent to RRM-3386, RRM-386. Requisite courses: Take BIO-1168, BIO-1172, RRM-2258 (Required, Previous). Take RRM-2291L (Required, Concurrent).

Course Descriptions RRM 2293 - RSR 1160

RRM-2293 Fish Habitat Management 3 credits

An examination of fish habitat characteristics of lotic (stream) and lentic (lake) ecosystems. It includes discussion of fish species habitat requirements; hydrological characteristics of streams; major problems and solutions associated with habitat degradation in streams and lakes and restoration techniques that may be applied to maintain and improve habitat. Not available for supplemental. Instruction (3.0), Lab (2.0). Equivalent to RRM-3389, RRM-389. Requisite courses: Take BIO-1168, BIO-1172, RRM-2259 (Required, Previous). Take RRM-2293L (Required, Concurrent).

RRM-2295 Hydrogeology • 3 credits

This course discusses and quantifies the processes influencing the occurrence, properties and movement of groundwater, particularly in the geological setting of southern Alberta. Topics include aquifer properties, test drilling, well-siting and completion, aquifer testing and determination of yield, assessment of well interference and potentiometric mapping. Emphasis is on the practical applications of techniques using on-campus wells for data collection and computer assisted analysis in scheduled assignments. A major project forms part of the evaluation. Not available for supplemental. Instruction (3.0), Lab (2.0). Equivalent to RRM-295. Requisite courses: Take RRM-2295L (Required, Concurrent).

RRM-2298 Conservation Biology 3 credits

This course examines the scientific basis for the management and protection of biological diversity. Important topics will include habitat fragmentation, minimum viable population analysis, the role of genetic variability, metapopulation concepts and community-level processes. Practical applications are addressed using case studies that incorporate the principles of ecosystem management. Not available for supplemental. Instruction (3.0). Equivalent to RRM-298. Requisite courses: Take BIO-1172 (Required, Previous).

RRM-2299 Fire Management • 3 credits

This course involves the study of wildfire management, specifically, fire weather, fire behaviour, wildlife control, fire ecology, and the use of fire as a prescriptive management tool. The course has lecture, lab, and field components, linked together to provide a range of learning opportunities.

The lecture component includes theory and concept that provides a background to the application of field and lab work, emphasizing hands-on experience and the practical application of knowledge gained in the course. Not available for supplemental. Instruction (3.0), Lab (2.0). Equivalent to RRM-299, RRM-294. Requisite courses: Take BIO-1167, BIO-1172, RRM-1197 (Required, Previous). Take RRM-2299L (Required, Concurrent).

RRM-3350 Integrated Resource Management • 3 credits

This course examines the complex and often competing uses of natural resources. It will involve the basic concepts of integrated resource management, sustainable development, public process, resource planning structure, and alternative dispute resolution. Not available for supplemental. Instruction (3.0). Equivalent to ENV-3350, ENV-350.

RRM-3368 Wildlife Conservation 3 credits

This course covers the conservation of wildlife in relation to management strategies. The design and application of field techniques to determine demographic parameters, food habits, and habitat use are presented for a wide range of species typical of Western Canada during laboratory and field exercises. Not available for supplemental. Instruction (3.0), Lab (2.0). Equivalent to RRM-368. Requisite courses: TAKE RRM-2258 (Required, Previous). Take RRM-3368L (Required, Concurrent).

RRM-3369 Fishery Management Techniques • 3 credits

This course covers the basics involved with fisheries management, including sampling planning; care and handling of sampled organisms; passive and active fish capture methods; sampling with toxicants; tagging and marking; acoustic assessment; recreational fisheries; length; weight; diet and structural indices of fish. Students incorporate these teachings formally into a fisheries evaluation project and report. Biotelemetry, electrofishing and small-boat safety are often included in the hands-on training and field work. Not available for supplemental. Instruction (3.0), Lab (2.0). Equivalent to RRM-369. Requisite courses: Take RRM-2259 (Required, Previous). Take RRM-3369L (Required, Concurrent).

RRM-4454 Restoration Ecology 3 credits

This course presents theory and practice relevant to restoration ecology. The content emphasizes ecosystem functioning, spatial and temporal factors, successional trajectory and alternative states, disturbance ecology, exotic species, ecosystem services valuation, novel ecosystems, and planning and design of ecological restoration projects. Applied components include plant materials collection techniques and plant propagation methods. Not available for supplemental. Instruction (3.0), Lab (2.0). Requisite courses: Take RRM-4454L (Required, Concurrent).

RRM-4460 Species At Risk Management 3 credits

This course explores the reasons for species endangerment, and the conservation activities that are underway for species at risk. Analyses are carried out of species at risk status processes, endangered species policy and legislation in Canadian jurisdictions. A review is made of strategies for recovering species at risk and implementation projects. Accompanying labs emphasize identification of priority western Canadian species at risk, the threats those species face, and recovery actions that are underway. Not available for supplemental. Instruction (3.0), Lab (2.0). Requisite courses: Take RRM-4460L (Required, Concurrent).

RRM-4463 Population Ecology & Management • 3 credits

This course will investigate the structure and dynamics of population systems, population limitation, predation, competition and dispersal. It will also cover topics in population ecology such as population dynamics and viability. Not available for supplemental. Instruction (3.0), Lab (2.0). Requisite courses: Take RRM-4463L (Required, Concurrent).

(RSR) RESEARCH - APPLIED

RSR-1160 Research & Writing for New Media • 3 credits

An introductory course to professional research and writing for new media projects. Focus is on developing interesting, clear and original content as well as adapting information from other sources. Instruction (3.0). Equivalent to RSR-160, APR-160, CAP-151.

Course Descriptions RSR 2251 - SGV 1112

RSR-2251 Applied Research • 3 credits

This course provides for the continued validation of data and ongoing field reconnaissance and the preparation, production, presentation and defense of a formal technical report based on the information gathered and documented for a selected project. It includes oral progress reports, consultative sessions with instructors, continued field data gathering needed for project completion, final revisions of parts of the report, a final bound formal report, and the technical presentation of findings to industry representatives and/or technical community according to Standards for Applied Science and Engineering Technologies. Not available for supplemental. Not eligible for Prior Learning Assessment. Take STS-1183 in the term immediately prior to RSR-2251. Instruction (2.0). Equivalent to RSR-2265, RSR-251. Requisite courses: Take STS-1183 (Required, Previous).

RSR-2254 Research Methodology Health & Social Sciences • 3 credits

An introduction to social sciences research and its relevance to health and social sciences. Qualitative, quantitative and mixed methods of research methodologies are explored. Students will be introduced on how to undertake a literature search and how to critically review literature to provide the foundational knowledge to guide evidence-informed practice. Students will have the opportunity to explore research methods and considerations relevant to their professional practice through the class assignments. Not available for supplemental. Instruction (3.0).

RSR-2257 Video Graphics and Compositing • 3 credits

An intermediate hands-on application of graphic design, animation and video editing concepts. Focus will be on using industry-standard tools and processes to produce creative video compositions and to produce a design plan to address a client's needs. Instruction (5.0). Equivalent to RSR-2256, RSR-256. Requisite courses: Take CMM-1156 (Required, Previous).

RSR-2265 Applied Research II 1.5 credits

The continuation of Statistics and Applied Research I will provide opportunities for students to execute the research proposal they have defended in the previous semester.

The main activities include a critical review of scholarly literature, how to understand and resolve ethical dilemmas, collect, analyze, and interpret data, make research conclusions, prepare a comprehensive research report following APA guidelines and present and defend the research findings. Not available for supplemental. Not eligible for Prior Learning Assessment. Instruction (3.0). Equivalent to RSR-2251, RSR-251. Requisite courses: Take STS-1183 (Required, Previous).

RSR-2270 Interactive Project • 3 credits

Applying existing and new skills, students will plan and manage an interactive media project. Emphasis will be on documenting the process and technical challenges, as well as researching solutions. The process and final project will be presented. Not available for supplemental. Instruction (3.0). Equivalent to RSR-1170, RSR-170.

(SCI) SCIENCE

SCI-0043 Science I • 3 credits

This course is designed to apply the basic literacy skills taught in LAR 0043 (Language Arts I) and the basic numeracy skills taught in MTH 0043 (Math Fundamentals I) to the study of foundational science concepts, using adult appropriate materials with a life skills focus. Not open to supplemental. Instruction (3.0). Equivalent to SCI-043.

SCI-0048 Science II • 3 credits

This course is designed to apply the intermediate literacy skills taught in LAR 0048 (Language Arts II) and the intermediate numeracy skills taught in MTH 0048 (Math Fundamentals II) to the study of foundational science concepts, using adult appropriate materials with a life skills focus. Not open to supplemental. Instruction (3.0). Equivalent to SCI-048.

SCI-0055 Science III • 3 credits

This course is designed to apply the advanced literacy skills taught in LAR 0055 (Language Arts III) and the advanced numeracy skills taught in MTH 0055 (Math Fundamentals III) to the study of foundational science concepts, using adult appropriate materials with a life skills focus. Not open to supplemental. Instruction (3.0). Equivalent to SCI-055.

SCI-0075 Science 0075 • 5 credits

An introduction to basic science involving three distinct yet interrelated modules, which include basic chemistry, physics and biology. Topics covered are comparable to what is covered in Alberta Education Science 010. Not available for supplemental. Instruction (5.0), Lab (1.0). Requisite courses: Take SCI-0075L (Required, Concurrent).

(SGV) STUDENT GOVERNMENT

SGV-1101 Student Government 1.5 credits

This course is assigned to students elected to serve on the Students' Council of Lethbridge College as a student representative, after serving and fulfilling the requirements of the position in their first term on council in this position. Recognition is given for educational experience gained and for time spent during the process of student government activities for a period within an academic term. Independent Study ().

SGV-1102 Student Government 1.5 credits

This course is assigned to students elected to serve on the Students' Council of Lethbridge College as a student representative, after serving and fulfilling the requirements of the position in their second term on council in this position. Recognition is given for educational experience gained and for time spent during the process of student government activities for a period within an academic term. Independent Study ().

SGV-1111 Student Government 3 credits

This course is assigned to students elected to serve on the Students' Council of Lethbridge College as a Vice President, after serving and fulfilling the requirements of the position in their first term on council in this position. Recognition is given for educational experience gained and for time spent during the process of student government activities for a period within an academic term. Independent Study ().

SGV-1112 Student Government 3 credits

This course is assigned to students elected to serve on the Students' Council of Lethbridge College as a Vice President, after serving and fulfilling the requirements of the position in their second term on council in this position.

Course Descriptions SGV 1122 - SOC 2250

Recognition is given for educational experience gained and for time spent during the process of student government activities for a period within an academic term. Independent Study ().

SGV-1122 Student Government 6 credits

This course is assigned to a student elected to serve on the Students' Council of Lethbridge College as President, after serving and fulfilling the requirements of the position in their first term (Fall and Winter) on council in this position. Recognition is given for educational experience gained and for time spent during the process of student government activities for a period within an academic year. Independent Study ().

SGV-2103 Student Government 1.5 credits

This course is assigned to students elected to serve on the Students' Council of Lethbridge College as a student representative, after serving and fulfilling the requirements of the position in their third term on council in this position. Recognition is given for educational experience gained and for time spent during the process of student government activities for a period within an academic term. Independent Study ().

SGV-2104 Student Government 1.5 credits

This course is assigned to students elected to serve on the Students' Council of Lethbridge College as a student representative, after serving and fulfilling the requirements of the position in their fourth term on council in this position. Recognition is given for educational experience gained and for time spent during the process of student government activities for a period within an academic term. Independent Study ().

SGV-2113 Student Government 3 credits

This course is assigned to students elected to serve on the Students' Council of Lethbridge College as a Vice President, after serving and fulfilling the requirements of the position in their third term on council in this position. Recognition is given for educational experience gained and for time spent during the process of student government activities for a period within an academic term. Independent Study ().

SGV-2114 Student Government 3 credits

This course is assigned to students elected to serve on the Students' Council of Lethbridge College as a Vice President, after serving and fulfilling the requirements of the position in their fourth term on council in this position. Recognition is given for educational experience gained and for time spent during the process of student government activities for a period within an academic term. Independent Study ().

SGV-2124 Student Government 6 credits

This course is assigned to a student elected to serve on the Students' Council of Lethbridge College as President, after serving and fulfilling the requirements of the position in their second term (Fall and Winter) on council in this position. Recognition is given for educational experience gained and for time spent during the process of student government activities for a period within an academic year. Independent Study ().

(SOC) SOCIOLOGY

SOC-1153 Intro to Women's Studies 3 credits

This course is an introduction to the interdisciplinary field of women's studies through a critical feminist examination of women's embodied lives around the world, with both historical and contemporary examples drawn from a wide variety of cultures. This course will critically examine such issues as violence against women, women and the law, women and globalization, the feminization of poverty, sexuality and gender, family life, reproductive rights, women and religion, and cultural conceptions of body image. The course aims to sharpen students' critical awareness of how gender operates in a variety of institutional and cultural contexts as well as in their own lives, giving them an opportunity to participate meaningfully in social change. Not available for supplemental. Instruction (3.0). Equivalent to SOC-153.

SOC-1160 Introduction to Sociology 3 credits

This course is an orientation to sociology and serves as a brief picture of its scope as a developing discipline. The course will examine how individual lives are shaped by one's place in society and how people cope within their social and cultural contexts.

The focus is on Canadian culture, diversity, and social trends, and how Canada is affected by its position in the world. Not available for supplemental. Instruction (3.0). Equivalent to SOC-160.

SOC-1167 Sociology of Aging • 3 credits

The purpose of this course is to provide students with an understanding of individual and population aging from a sociological perspective. Students will be encouraged to develop an awareness and appreciation of the social significance of aging from a variety of social and cultural contexts, but with a strong emphasis on Canadian society. Students will learn how individuals experience changes in their activities, roles, and relationships, and the implications of an aging population on our economy, health care system, and social programs. Finally, students will be introduced to possible solutions in terms of programs and policies relating to aging. Not available for supplemental. Instruction (3.0). Equivalent to SOC-167.

SOC-1170 Introduction to Social Work 3 credits

This course provides students with a self-directed and collaborative learning opportunity focused on Canadian social welfare and the profession of social work. Students will be introduced to the professional values, ethics, knowledge bases, roles, responsibilities, fields of practices, and practice settings of social work. In addition, students will critically examine their beliefs, values, and attitudes in relation to society of which they are members and explore their individual interests within the profession of social work. Not available for supplemental. Instruction (3.0). Equivalent to SOC-170.

SOC-2250 Sociology of Sports 3 credits

This course examines topics beyond game scores and player performance and encourages students to think critically about sports, how it is influenced by social and cultural contexts, how sports shape our lives, and the relationship between sports and social institutions. Important issues such as violence, cheating, and hazing as well as issues of inequality and the relationship between social classes, gender, race and participation are also critically examined. Not available for supplemental. Instruction (3.0). Equivalent to SOC-250. Prerequisite courses: Take SOC-1160 or PSY-1160 (Required, Previous).

Course Descriptions SOC 2255 - SST 0048

SOC-2255 Offenders With Special Needs 3 credits

This course focuses on the identification of unique offender groups and the treatment of these groups within the correctional context. Specific areas of study include offenders with health conditions, learning disabilities, developmental disabilities, traumatic brain injuries, conditions related to the aging process, fetal alcohol spectrum disorder, mental health conditions psychopathy, and those in custody for sex offences. Not available for supplemental. Instruction (3.0). Equivalent to SOC-255.

SOC-2260 Social Problems • 3 credits

This course examines topics pertinent to a variety of sociological problems that affect Canada and the world. Through the application of sociological theories, important social issues such as drug abuse, crime, inequality and poverty, gender inequality, race and ethnicity problems, family problems, overpopulation, environmental issues, and global conflict are critically examined. Not available for supplemental. Instruction (3.0). Equivalent to SOC-260. Requisite courses: Take SOC-1160 (Required, Previous).

SOC-2270 Sociology of the Family 3 credits

This course is a study of Canadian family life in both a historical and sociological perspective with an emphasis on current trends and research on the family. Not available for supplemental. Instruction (3.0). Equivalent to SOC-270. Requisite courses: Take SOC-1160 (Required, Previous).

SOC-2273 Multicultural Issues 3 credits

This course examines values, beliefs, patterns of behaviour, intercultural communication processes and their impact on working with children, youth, families and other professionals. Specific multicultural concepts will be examined as will appropriate strategies for working within cross-cultural contexts. Students will develop sensitivities and skills to assist them in understanding and working within cross-cultural context. Not available for supplemental. Instruction (3.0). Equivalent to SOC-273.

SOC-2275 Culture & Social Policy Abroad • 3 credits

This study abroad course studies the relationships between a society's social policies; its political systems, history and culture; and the country's religious traditions, music, and arts. Students will study one specific culture from many perspectives such as the social sciences, natural sciences, humanities, and the arts through research, observation, and critical inquiry during a two week study tour. Not available for supplemental. Instruction (6.0). Equivalent to SOC-275. Requisite courses: Take any one of SOC-1160, PSY-1160, PSC-1161, HIS-1170, HUM-1155, HUM-1180 or HUM-1195 (Required, Previous).

SOC-2276 Sexuality • 3 credits

This course examines how social factors contribute to our sexual beliefs and behaviors and how sexuality influences our personal lives and social policies. The course topics will be instructed primarily from a sociological perspective and will integrate sociological research and theories with information from psychology, biology, anthropology, and history. Students will be expected to consider their own perceptions, attitudes, and beliefs on sexuality in light of the scientific findings and to understand the global diversity of sexual practices and customs. Not available for supplemental. Instruction (3.0). Equivalent to SOC-276. Requisite courses: Take any one of SOC-1160, PSY-1160, or PSY-1170 (Required, Previous).

SOC-3355 Cultural Diversity • 3 credits

Canada's diverse cultural heritage presents many challenges when resource management is considered. Cultural tradition often influences the perspective that individuals have to the conservation and management of natural resources. This course will examine the different cultural groups present in Canada with regard to their perspectives on natural resource use. Particular attention will be given to the Aboriginal culture and how it relates to resource use within the Canadian legal framework. This course will also explore the relationship between cultures other than the typical Euro-centric Caucasian culture and natural resource law enforcement in Canada.

Students will learn how different cultures relate to natural resource law enforcement and will understand why these differences may exist. Instruction (3.0). Equivalent to SOC-355.

(SPN) SPANISH

SPN-1150 Introductory Spanish 3 credits

This introductory level language course is designed primarily for students with no previous or little exposure to Spanish. The goal of this course is to introduce students to use the basic structures of the language, which are based on the four essential skills of communication: listening, reading, speaking, and writing. Instruction (3.0). Equivalent to SPN-150.

SPN-1151 Introductory Spanish II 3 credits

Introductory Spanish II will complete the student's familiarity with all aspects of basic Spanish. The goal of this course is to build on the skills learned in Spanish 150 and to improve the student's competency in oral and written Spanish with special attention to communication skills for common situations. Students will be encouraged to practice and utilize concepts learned in class outside of the classroom setting. Instruction (3.0). Equivalent to SPN-151. Requisite courses: Take SPN-1150 (Required, Previous).

(SST) SOCIAL STUDIES

SST-0043 Social Studies I • 3 credits

This course is designed to apply the basic literacy skills taught in LAR 0043 (Language Arts I) to the study of foundational social studies, using adult appropriate materials with a life skills focus. Not open to supplemental. Instruction (3.0). Equivalent to SST-043.

SST-0048 Social Studies II • 3 credits

This course is designed to apply the intermediate literacy skills taught in LAR 0048 (Language Arts II) to the study of foundational social studies, using adult appropriate materials with a life skills focus. Not open to supplemental. Instruction (3.0). Equivalent to SST-048.

Course Descriptions SST 0054 - SUR 2250

SST-0054 Social Studies III • 3 credits

This course is designed to apply the advanced literacy skills taught in LAR 0055 (Language Arts III) to the study of foundational social studies, using adult appropriate materials with a life skills focus. Not open to supplemental. Instruction (3.0). Equivalent to SST-054.

SST-0075 Social Studies 0075 • 5 credits

This course explores multiple perspectives on the origins of globalization and the local, national and international impacts of globalization on identity, lands, cultures, economies, human rights and quality of life. This course parallels AB ED Social Studies 10. Instruction (5.0). Equivalent to SST-075.

SST-0085 Social Studies 0085 • 5 credits

This course explores the origins of nationalism and its relation to industrialization and imperialism in the 19th and early 20th centuries. The influence of nationalism on regional and international relations is also examined. The infusion of multiple perspectives will allow for students to develop an understanding of nationalism and how nationalism contributes to the citizenship and identities of Canadian people. This course parallels AB ED Social Studies 20-1. Instruction (5.0). Equivalent to SST-085.

(STS) STATISTICS

STS-1155 Descriptive Statistics 3 credits

An introduction to descriptive statistics such as mean and standard deviation, and is an introduction to statistical concepts used in a variety of environmental science branches. Focus is on data collection, presentation, analysis and interpretation by both graphic and numerical approaches. Not available for supplemental. Instruction (3.0), Lab (2.0). Requisite courses: Take STS-1155L (Required, Concurrent).

STS-1183 Statistics & Applied Research I • 3 credits

An introduction to the fundamentals of statistical methods and preparation to design and defend an applied research proposal. The first part of the course, statistical methods includes descriptive statistics, inferential methods, correlation, regression, and non-parametric methods. Computer literacy is required as statistical software is used. The second part of the course prepares students to establish the framework for the applied research project

which will culminate in the applied research course. Not available for supplemental. Not eligible for Prior Learning Assessment. Instruction (4.0). Equivalent to STS-2260, STS-183. Requisite courses: Take COM-1164, MTH-1150 (Required, Previous).

STS-2250 Statistics • 3 credits

In-depth coverage of techniques and tools used in statistical analysis and interpretation applied to business and economic situations. Includes collection and presentation of data; measures of descriptive statistics; probability and probability distributions; statistical estimation and hypothesis testing; correlation and regression analysis, and methods of time series analysis. Instruction (5.0). Equivalent to STS-250.

STS-2260 Statistics & Applied Research I • 3 credits

An introduction to the fundamentals of statistical methods and preparation to design and defend an applied research proposal. The first part of the course, statistical methods includes descriptive statistics, inferential methods, correlation, regression, and non-parametric methods. Computer literacy is required as statistical software is used. The second part of the course prepares students to establish the framework for the applied research project which will culminate in the applied research course. Not available for supplemental. Not eligible for Prior Learning Assessment. Instruction (4.0). Equivalent to STS-1183, STS-183. Requisite courses: Take COM-1164, MTH-1150 (Required, Previous).

STS-2270 Social Science Research 3 credits

This course provides an introductory and intermediate instruction in social science research, where students will complete all stages of a comprehensive, quantitative social science research project. Students will be introduced to and participate in all aspects of the social science research process including theoretical development and design, data collection, statistical analysis, SPSS software and research ethics. Not available for supplemental. Instruction (3.0). Equivalent to STS-270. Requisite courses: Take any one of HIS-1170, PSC-1150, PSC-1161, SOC-1160 or PSY-1160 (Required, Previous).

STS-3355 Inferential Statistics 3 credits

This course presents a variety of inferential statistical methods applied to resource management and environmental problems. Topics include hypothesis testing (both

parametric and non-parametric methods) to compare means, variances, frequencies, multiple regression, non-linear regression analysis, analysis of variance (ANOVA) for multiple comparison, experimental design, and multivariate statistics. Not available for supplemental. Instruction (3.0), Lab (2.0). Requisite courses: Take STS-3355L (Required, Concurrent).

(SUR) SURVEY

SUR-1150 Land Survey I • 3 credits

An introduction to the theory and practice of surveying. Theory will be delivered via lecture and textbook. Fundamental topics such as, but not limited to, chaining, leveling and total station use will be introduced. The application and use of data generated by these methods will be focused on. Practical use of survey equipment will reinforce theory through "real world" applications. This course is taken by students from all three programs in the School of Engineering Technologies and is a base for future courses. Not available for supplemental. Instruction (5.0). Equivalent to SUR-150.

SUR-1180 Land Survey II • 3 credits

The application of engineering surveying activities and content. The focus will centre on roadway examples, with references made to how the topics would be applied to other engineering projects. Topics are based on design calculations and surveying for a variety of civil engineering projects. Plan and report preparation will be emphasized. Industry standard design software will be used to supplement and reinforce the field practices. Not available for supplemental. Instruction (4.0). Requisite courses: Take CAD-1160, EDD-1160, SUR-1150 (Required, Previous).

SUR-2250 Survey Calculations & Analysis • 3 credits

An exploration of standard survey calculations. Use of hand and computer calculations will be applied through a variety of tasks. Topics and related calculations may include vertical adjustments, traverse computations, intersections, error theory, coordinate geometry, least squares and/or linear algebra. Students will be encouraged to select the appropriate calculation tool and/or method to solve survey problems. Not available for supplemental. Instruction (5.0). Requisite courses: Take MTH-1170 (Required, Previous).

Course Descriptions SUR 2251 - SUR 2275

SUR-2251 Advanced Survey I • 3 credits

The exploration of advanced survey field practices. The focus is on sun and star field observations and theory for azimuth determination; horizontal and vertical control using direction theodolites and electronic distance measuring instruments; legal boundary retracement; site survey; trigonometric leveling and well site survey. The use of total stations, data collectors, downloading and processing of data will be emphasized. Not available for supplemental. Instruction (4.0). Equivalent to SUR-251. Requisite courses: Take SUR-1162 (Required, Previous).

SUR-2252 Field Safety • 1.5 credits

This course is intended to reinforce the concepts and applications of safety as it applies to survey field work. Students will be directed to develop safety techniques and guidelines that can be applied to a variety of survey situations. Modules of this course will be provided by the Industrial and Technical Training Department at LCC using certified instructors. Work Experience (.). Equivalent to SUR-252. Requisite courses: Take CON-1140 (Required, Previous).

SUR-2261 Advanced Survey II • 3 credits

This is a survey project course that ties all aspects of field practices together in the form of a project. Students will be required to take a survey project, modelled as closely as possible to a real situation, from inception to completion. This will include the performance of all survey activities related to the project. In addition, issues of mission planning and project budgeting will be explored. Not available for supplemental. Instruction (5.0). Equivalent to SUR-261. Requisite courses: Take SUR-2251 (Required, Previous). Take SUR-2265 (Required, Concurrent).

SUR-2262 Specialized Positioning Applications • 3 credits

An exploration and application of Global Navigation Satellite Systems (GNSS), Light Image and Detection and Ranging (LIDAR) and Unmanned Aerial Vehicles (UAVs) as used in the geomatics industry. The theory behind, and use of, these three techniques will be discussed and reviewed. A focus on application of techniques for alternative positioning systems. Surveys using GNSS, LIDAR and UAV will be used to gather data.

Industry-standard software will be used to process field data. Not available for supplemental. Instruction (5.0). Requisite courses: Take GEO-1185, SUR-1180 (Required, Previous).

SUR-2263 Survey Calculations & Analysis • 3 credits

The analysis of standard survey calculations to solve a variety of problems including line-curve intersections, curve-curve intersections, inaccessible points of intersection, etc. Network adjustments will be covered. Not available for supplemental. Instruction (4.0). Equivalent to SUR-263. Requisite courses: Take MTH-1149 (Required, Previous).

SUR-2264 Land Survey Systems 3 credits

This course will study the township systems in Western Canada, the Surveys Act (Alberta) and the Manual of Standard Practice. Regulations from other western Canadian jurisdictions will also be examined and compared with the Alberta standards. Students will be exposed to a variety of perspectives on these topics through the use of seminar-based sessions. Not available for supplemental. Instruction (3.0). Equivalent to SUR-264. Requisite courses: Take SUR-1162 (Required, Previous).

SUR-2265 Surveying Drafting • 3 credits

This course focuses on the creation of legal survey plans using CAD. Emphasis is on the proper portrayal of information required by the Land Titles Office for the submission of legal survey plans. The drawings will require students to extract and process data from conventional field notes and total station data collectors. Not available for supplemental. Instruction (4.0). Equivalent to SUR-265. Requisite courses: Take SUR-2251 and GEO-2253 (Required, Previous).

SUR-2267 Advanced Survey Applications I • 3 credits

An examination of the practices for conventional survey instruments. Application of instruments including theodolites, total station, and levels and their accessories. Testing and calibration of these instruments will be performed. Application of instruments for a wide range of tasks such as astronomic observations and theory; horizontal and vertical control; and trigonometric leveling, including

recommendations of the correct tools for the appropriate survey task. The labs are designed to replicate 'real world' scenarios and to bring theory to practicality. Not available for supplemental. Instruction (5.0). Requisite courses: Take GEO-1185, SUR-1180 (Required, Previous).

SUR-2270 Engineering Surveys 3 credits

This course enables students to recognize and solve the problems associated with the survey of large construction projects. Topics include preliminary surveys for the design of public works, water, sewer and roads. Surveying practices for specialized projects such as bridge construction, dam site monitoring and tunneling will be included. Not available for supplemental. Instruction (5.0). Equivalent to SUR-270. Requisite courses: Take SUR-2251 and GEO-2253 (Required, Previous).

SUR-2272 Cadastral Surveying 3 credits

A study of legislation governing geomatics, land survey systems for the division of land, and the governance of geomatics groups and associations. Topics include an examination of the planning process including land planning policy, regulations, land development concepts, and subdivision design requirements. Students will participate in practical projects related to current land planning issues. Not available for supplemental. Instruction (6.0). Requisite courses: Take SUR-1180 (Required, Previous).

SUR-2275 Global Positioning Systems 3 credits

The exploration of Global Navigation Satellite Systems (GNSS) used for positional determination. Emphasis on an overview of GNSS specific programs for processing data, comparing and contrasting field GNSS to conventional surveys, estimation of survey errors and the identification of specific manufacturer hardware. Not available for supplemental. Instruction (4.0). Equivalent to SUR-275. Requisite courses: Take GEO-1170, SUR-1162 (Required, Previous).

Course Descriptions SUR 2280 - TRG 2256

SUR-2280 Geomatics Engineering Surveys • 3 credits

Application of survey techniques for engineering projects including creating plans using AutoCAD and Civil 3D software. Specific survey tools, skills, and procedures will be discussed and analyzed. Survey techniques relating to engineering projects will be presented and applied. Preliminary, layout, quantity, and as-built surveys for the design and construction of utilities, roads, bridges, buildings, dams, and tunnels. Plan interpretation and preparation for engineering purposes will be presented and examined. The path from office to field to office will be emphasized. Not available for supplemental. Instruction (6.0). Requisite courses: Take SUR-2262 (Required, Previous).

SUR-2285 Advanced Survey Application II • 3 credits

Examination of survey project office and field techniques from conception to completion. Office techniques such as research, analysis of requirements, cost estimates, data preparation will be explored. Field techniques involving setting control, data gathering and design stakeout. Includes surveys for deformation monitoring, pipeline, logo layout, subdivision and house layout. Emphasis is put on the proper portrayal of information required by the Land Titles Office for the submission of legal survey plans. Plan preparation for projects will meet various client needs. Not available for supplemental. Instruction (6.0). Requisite courses: Take SUR-2262, SUR-2267 (Required, Previous).

(TAX) TAXATION

TAX-2251 Taxation • 3 credits

An examination of income taxation in Canada for individuals, the self-employed and corporations. Extensive coverage of Canada Revenue Agency regulations, the Income Tax Act, and problems associated with taxes payable by various types of business entities. Includes completion of federal and provincial income tax returns covering all types of income, deductions and tax credits. Other topics include distinguishing between types of income and reconciling business net income for tax purposes. Not available for supplemental. Instruction (5.0). Equivalent to TAX-251.

(TRG) THERAPEUTIC RECREATION - GERONTOLOGY

TRG-1150 Intro to Therapeutic Recreation • 3 credits

A foundational overview of the history, philosophy, concepts and issues in the field of therapeutic recreation. Emphasis on the helping nature of the recreation therapist role and the importance of self-awareness within the profession. The importance of leisure activities and the common barriers to recreation participation are discussed. Introductory information and discussion on a wide range of disabilities, medical conditions, and options for service delivery. Conceptual models of therapeutic service are explored. Not available for supplemental. Instruction (4.0). Equivalent to TRG-150.

TRG-1160 Therapeutic Recreation Program Planning I • 3 credits

An introduction to the theoretical approach to program design in the therapeutic recreation setting. Concepts include: conditions and elements of the leisure experience, benefits sought from the leisure experience, program theories, leisure ability model, activity analysis and elements of program planning. Not available for supplemental. Instruction (3.0). Equivalent to TRG-160. Requisite courses: Take TRG-1150 (Required, Previous).

TRG-1164 Leadership Theory • 3 credits

An introduction to leadership concepts and theories including both the nature and reality of leadership in personal, community and organizational settings. Emphasis is on therapeutic recreation practice. Reflection and analysis of leadership topics and skills focusing on understanding the principles of effective leadership will be explored. Not available for supplemental. Instruction (3.0). Equivalent to TRG-164.

TRG-1199 Practicum I • 3 credits

A 200-hour practical application of theoretical concepts under the supervision of a therapeutic recreation professional within a pre-approved facility specializing in providing care for seniors. Primary focus on observing and assisting in the therapeutic recreation process. Practice within a team environment and development of person-centered therapeutic relationships with clients. Not available for supplemental. Not eligible for Prior Learning Assessment. Graded: Pass/Fail. Work Experience (). Equivalent to TRG-199. Requisite courses: Take TRG-1150 (Required, Previous).

TRG-2200 Practicum II • 3 credits

This second practicum is held at a pre-approved facility that specializes in providing care for seniors. Under the supervision of a Therapeutic Recreation professional, knowledge and skills will be expanded as classroom theory is applied to practice. This final placement provides an opportunity to function in a Therapeutic Recreation professional capacity by employing professional standards of practice. Not available for supplemental. Not eligible for Prior Learning Assessment. Work Experience (). Equivalent to TRG-200. Requisite courses: Take TRG-2253, TRG-2256, TRG-2260, TRG-2268 (Required, Previous).

TRG-2251 Seminar • 1.5 credits

An exploration of the more advanced roles and topics for the professional Therapeutic Recreation Specialist working with seniors. Emphasis on taking responsibility for continued education and building professional accountability. Interpretation and analysis of current research in the field of therapeutic recreation and gerontology. Not available for supplemental. Instruction (2.0). Equivalent to TRG-251.

TRG-2253 Therapeutic Recreation Assessment • 3 credits

The application of the therapeutic recreation process of assessment as an essential foundation for identifying appropriate client intervention. Exploration of different forms of documentation and the analysis of assessment tools used in therapeutic recreation settings. Not available for supplemental. Instruction (4.0). Equivalent to TRG-253. Requisite courses: Take TRG-1199 (Required, Previous).

TRG-2256 Therapeutic Recreation Intervention • 3 credits

An exploration of the therapeutic recreation intervention process used to assist individuals in coping and adapting to their environment and effecting change in their lives. Emphasis on the various forms of intervention used in geriatric settings. Not available for supplemental. Instruction (3.0). Equivalent to TRG-256.

Course Descriptions TRG 2259 - TRS 1160

TRG-2259 Therapeutic Recreation Issues & Trend • 3 credits

An exploration of the more advanced roles and topics for the professional Therapeutic Recreation Specialist. Emphasis on taking responsibility for continued education and building professional accountability. Interpretation and analysis of research. Not available for supplemental. Instruction (3.0). Requisite courses: Take TRG-2256, TRG-2268 (Required, Previous).

TRG-2260 Therapeutic Recreation Program Planning II • 3 credits

Application of therapeutic recreation specific program design and leisure education programs. Program and client evaluation are examined. The budget process and fundraising strategies are explored and utilized. Not available for supplemental. Instruction (3.0). Equivalent to TRG-260. Requisite courses: Take TRG-1160 (Required, Previous).

TRG-2263 Aging Disorders & Disabilities 3 credits

An overview of disorders and disabilities common to the aging population from the perspective of the therapeutic recreation professional. Not available for supplemental. Instruction (3.0). Equivalent to TRG-263. Requisite courses: Take BIO-1152 (Required, Previous).

TRG-2264 Community Resources 3 credits

This course covers accessing and networking with various agencies and care services to enhance the senior client's life. Federal, provincial, municipal and privately funded and operated agencies are reviewed. Instruction (3.0). Equivalent to TRG-264.

TRG-2268 Therapeutic Recreation Programs • 6 credits

A capstone course integrating all aspects of therapeutic recreation program delivery. Focus on theory and practice in the various areas of core recreation programming. Demonstration of programming knowledge and skills is required. Not available for supplemental. Not eligible for Prior Learning Assessment. Instruction (3.0), Lab (6.0). Equivalent to TRG-268. Requisite courses: Take TRG-1160 and TRG-1199 (Required, Previous). Take TRG-2268L (Required, Concurrent).

TRG-2270 Administrative Practices in Therapeutic Recreation • 3 credits

An examination of administrative concepts and supervisory skills. An exploration of human resource planning and volunteer management. The purpose of policy and procedure, quality improvement, risk management are discussed. Emphasis is on therapeutic recreation practice. Not available for supplemental. Instruction (3.0). Equivalent to TRG-270.

TRG-2299 Advanced Practicum II 6 credits

A 320-hour advanced practical application of theoretical concepts under the supervision of a therapeutic recreation professional within a pre-approved facility specializing in providing care for seniors. Competency in the therapeutic recreation process and practice is demonstrated. Emphasis on the development of administrative and leadership skills in therapeutic recreation practice, as well as employment of professional standards of practice. Not available for supplemental. Not eligible for Prior Learning Assessment. Graded: Pass/Fail. Work Experience (.). Requisite courses: Take TRG-2253, TRG-2256, TRG-2260, TRG-2268 (Required, Previous).

(TRS) TRANSPORT

TRS-1150 Transportation Legislation 3 credits

An introduction to the specific acts and regulations which govern commercial vehicles and their operators. Focuses on provincial legislation addressing vehicle equipment and operations, operating requirements and rules, and general prohibitions which apply to all road and highway users. Instruction (3.0). Equivalent to TRS-150.

TRS-1151 Officer Safety • 6 credits

This course provides information on the best strategies for various situations. It examines procedures and provides tactics that will assist students' mindsets when confronting a potentially uncooperative subject. The use of pepper spray and vehicle stop procedures are included. This course focuses on the scenarios encountered by commercial vehicle enforcement officers and follows Alberta Transportation Policy and Procedure. Instruction (5.0). Equivalent to TRS-151.

TRS-1152 Licensing • 3 credits

An introduction to the licensing and registration requirements for commercial vehicles and their drivers. Examines how the various provincial acts and regulations which govern the licensing process for commercial vehicle operations are applied and enforced. Instruction (3.0). Equivalent to TRS-152.

TRS-1153 Cargo Securement • 3 credits

An introduction to cargo securement and the requirements for commercial vehicle operators to ensure proper load securement. Examines relevant legislation and the national standards for a variety of load types and commodities. Instruction (3.0). Equivalent to TRS-153.

TRS-1155 Weights and Dimensions 3 credits

An introduction to commercial vehicle weights and dimensions. Examines legislation which governs maximum size and weight as well as exceptions for commercial vehicles and loads. Addresses specific road weight allowances and restrictions and special permit options. Instruction (3.0). Equivalent to TRS-155.

TRS-1158 Emergency Vehicle Operations • 1.5 credits

This emergency vehicle operations course is provided to front-line police officers and focuses on the fundamentals of vehicle mechanics, vehicle dynamics, braking procedures, collision avoidance and emergency response driving techniques. In addition to policy and procedures for pursuit driving, police officers are instructed on the duties, responsibilities and liabilities associated with the safe handling and operation of an emergency vehicle. This course combines classroom theory with practical applications to provide police officers with the legal and technical skills necessary for the appropriate handling of emergency vehicles. Instruction (3.0). Equivalent to TRS-158, TRS-156.

TRS-1160 Hours of Service Legislation 3 credits

An introduction to hours of service requirements for commercial vehicle operators. Examines federal and provincial legislation governing the number of hours a driver is permitted to operate a commercial vehicle. A skills-based approach to reading and interpreting driver logbooks. Identifies definition, charging, and penalty sections with respect to hours of service offences. Instruction (3.0). Equivalent to TRS-160.

Course Descriptions TRS 1165 - WTT 1117

TRS-1165 Transport Law • 3 credits

An introduction to the history, sources, structure, interpretation, and application of our law. Examines the elements of an offence, powers of arrest, search and seizure provisions, and charging procedures for federal and provincial offences. Provides introduction to court processes, including the requirements for compelling individuals to attend court. Instruction (3.0). Equivalent to TRS-165.

(TTC) TRAVEL AND TOURISM

TTC-2251 Tourism • 3 credits

This course will focus on the basic concepts, methods and practices of tourism management. It examines the tourism industry, the effects of tourism on society, developments and global forces shaping the future of the industry. Instruction (4.0). Equivalent to TTC-251.

(WHS) WORKPLACE HEALTH SAFETY

WHS-1110 Workplace Safety 3 credits

This course will provide instruction and training to students in safe work practices and procedures. The focus will be on working safely with equipment and co-workers on a worksite. This course will be graded CR/NCR. Not available for supplemental. Instruction (4.0). Equivalent to WHS-110.

(WRI) WRITING

WRI-1150 Writing for Interactive Media 3 credits

An introduction to the stages of writing for interactive projects. Focus is on conceptualizing, planning, writing and organization of content for presentation in interactive formats. Using writing styles to reach target audiences will also be explored. Instruction (3.0). Equivalent to CAP-1161, WRI-150, CAP-161.

(WTT) WIND TURBINE TECHNICIAN

WTT-1100 Introductory Electrical Theory 3 credits

An entry-level course in which electrical properties such as voltage, current, resistance and power are explored. The course will provide the student with the necessary foundations for more advanced electrical concepts. Students who have successfully completed this course in addition to WTT-1103 and WTT-1104 will have the equivalent of the Alberta Apprenticeship and Industry Training 1st

Year Electrician Technical Training and will be eligible to write the Period One Electrician Provincial Exam. Not available for supplemental. Instruction (2.0), Lab (3.0), Tutorial (1.0). Requisite courses: Take WTT-1103, WTT-1104, WTT-1100L, WTT-1100T (Required, Concurrent).

WTT-1103 DC Laboratory Fundamentals 3 credits

An introductory course in which students will practice and apply electrical theory and safety in a lab setting. Proper and safe application of electrical instruments to evaluate electrical properties. Circuitry and troubleshooting will also be a focus of this course. Students who have successfully completed this course, in addition to WTT1100 and WTT1104, will have the equivalent of the Alberta Apprenticeship and Industry Training 1st Year Technical Training and will be eligible to write the Period One Electrician Provincial Exam. Not available for supplemental. Instruction (2.0), Lab (3.0), Tutorial (1.0). Equivalent to WTT-1103. Requisite courses: Take WTT-1100, WTT-1104, WTT-1103L, WTT-1103T (Required, Concurrent).

WTT-1104 Electrical Code/Blueprint Reading • 3 credits

An introduction to the interpretation and application of the Canadian Electrical Code (CEC) standards to ensure that all electrical installations provide for the safety of people and the protection of property. Interpretation of blueprints and electrical diagrams will also be covered. Students who have successfully completed this course, in addition to WTT1100 and WTT1103, will have the equivalent of the Alberta Apprenticeship and Industry Training 1st Year Technical Training and will be eligible to write the Period One Electrician Provincial Exam. Not available for supplemental. Instruction (2.0), Tutorial (4.0). Equivalent to WTT-104. Requisite courses: Take WTT-1100, WTT-1103, WTT-1104T (Required, Concurrent).

WTT-1110 Wind Turbine Safety I 3 credits

An introduction to the skills necessary for the practice of safe work habits in the wind industry. Focus is on techniques and guidelines for proper use of industry safety gear. Specialized gear includes, but is not limited to, fall arrest and high voltage protection. Not available for supplemental. Not eligible for Prior Learning Assessment. Instruction (3.0). Equivalent to WTT-110.

WTT-1113 Wind Turbine Rotor Blades 1.5 credits

An introduction to rotor blade function and design. Topics covered will include the fundamentals of fiberglass reinforced plastics, and the skills necessary to evaluate, document and repair rotor blade damages. Not available for supplemental. Not eligible for Prior Learning Assessment. Instruction (1.0), Lab (1.0). Equivalent to WTT-113. Requisite courses: Take WTT-1113L (Required, Concurrent).

WTT-1114 Wind Turbine Mechanical 3 credits

An introduction to the fundamental mechanical principles of wind turbines. Focus is on basic function, maintenance, repair, and replacement of wind turbine components. Not available for supplemental. Not eligible for Prior Learning Assessment. Instruction (3.0). Equivalent to WTT-114.

WTT-1115 Wind Energy Theory 1.5 credits

An introduction to the fundamentals of wind energy, this course covers the historical development of humanity's use of technology to harness wind power. An investigation into the current technology will focus on components, siting, basic meteorology, and energy production of wind turbines. Not available for supplemental. Not eligible for Prior Learning Assessment. Instruction (2.0). Equivalent to WTT-115.

WTT-1116 Motor Control & Programmable Controllers • 1.5 credits

An intermediate course that exposes the student to aspects of motor control and Programmable Logic Controllers (PLC) as they function in the wind turbine industry. A lab component is also used to reinforce course material. Not eligible for Prior Learning Assessment. Instruction (2.0), Lab (1.0). Equivalent to WTT-116. Requisite courses: Take WTT-1116L (Required, Concurrent).

WTT-1117 Wind Turbine Hydraulics 3 credits

An introduction to hydraulic systems, this course investigates basic principles of hydraulics which are applied in the maintenance and troubleshooting of components and systems in wind turbines. Not available for supplemental. Not eligible for Prior Learning Assessment. Instruction (3.0). Equivalent to WTT-117.

Course Descriptions WTT 1118 - WTT 1125

WTT-1118 Wind Park Construction 3 credits

An introduction to wind turbine component assembly and handling during construction and commissioning. Wind farm infrastructure facilitating collection and distribution of generated energy will be investigated. Not available for supplemental. Not eligible for Prior Learning Assessment. Instruction (3.0). Equivalent to WTT-118.

WTT-1120 Wind Turbine Safety II 3 credits

An intermediate wind turbine safety course where skills acquired in WTT-1110 will be further developed. Progressive methods of climbing, descending and rescue techniques will be presented and practiced. This course will be graded CR/NCR. Not available for supplemental. Not eligible for Prior Learning Assessment. Instruction (3.0). Equivalent to WTT-120. Requisite courses: Take WTT-1110 (Required, Previous).

WTT-1123 Wind Turbine Electrical 6 credits

An intermediate course which will focus on the theory and generation of AC electricity. Control and conversion of AC and DC electricity, as it applies to wind turbines is studied. Electrical equipment used for the generation/conversion and control of electricity in a wind turbine will be presented in theory as well as in a laboratory setting. Not available for supplemental. Not eligible for Prior Learning Assessment. Instruction (5.0), Lab (1.0). Equivalent to WTT-123. Requisite courses: Take WTT-1100, WTT-1103, WTT-1104 (Required, Previous). Take WTT-1123L (Required, Concurrent).

WTT-1124 Wind Turbine Maintenance 3 credits

A skills-based approach to component maintenance, inspection and documentation of wind turbine components. Troubleshooting skills are applied with an emphasis on safety. Not available for supplemental. Not eligible for Prior Learning Assessment. Instruction (7.0). Equivalent to WTT-124. Requisite courses: Take WTT-1114 (Required, Previous).

WTT-1125 Wind Turbine Industry Communication • 1.5 credits

An entry-level course designed to help the student become proficient in wind turbine industry communications. Students will be prepared to gain entry into, and be functional in, the daily operations of the industry. Not available for supplemental. Not eligible for Prior Learning Assessment. Instruction (1.0). Equivalent to COM-1112, COM-112.

Index

Academic Advising	18	Educational Assistant Certificate	80
Academic Schedule	3-4	Educational Assistant Diploma	80
Accessibility Services	18	Electrician - Apprenticeship	42
Accounting - Business Administration Diploma	52	Endeavour	22
Additional Fees	14	Engineering Design and Drafting Technology Diploma	82-83
Administrative Office Professional	36	English as a Second Language	84
Admission	8	Environmental Assessment and Restoration Diploma	85-86
Admission Routes	8	Exercise Science Diploma	87-88
Agricultural and Heavy Equipment Technician Certificate	37	Facilities	20
Agricultural Equipment Technician Apprenticeship	41	Fashion Design and Sustainable Production	89
Agriculture Business Risk Management Certificate	37	Fees and Financial Information	14
Agriculture Sciences - Animal Science Diploma	40	Financing Your Education	13
Agriculture Sciences - Plant and Soil Science Diploma	39	First Nations, Metis, and Inuit (FNMI) Learners – Services	24
Alberta Works	20	Fitness, Wellness and Recreation	21
Alumni Relations	21	Flexible Delivery	29-31
Animal Science - Agriculture Sciences Diploma	40	FNMI Career Pathways, General Studies	96-97
Applicant and Student Records	11	Food Services	21
Application Deadlines	8	Full-Time Status	125
Application for Admission	8	Garden Court Restaurant	21
Application Processing Fee	15	General Regulations Governing Payment of Fees	16
Apprenticeship Programs	41-45	General Studies Diploma	92
Athletics Scholarship	21	General Studies, FNMI Career Pathways	96-97
Automotive Service Technician - Apprenticeship	41	Geomatics Engineering Technology Diploma	98-99
Automotive Systems Certificate	46	Health and Dental Plan	22
Awards and Scholarships	27	Health and Dental Plan Fees	15
Bachelor of Applied Arts - Justice Studies	102-103	Health Care Aide	100
Bachelor of Applied Science - Conservation Enforcement	66-67	Health Services	18
Bachelor of Applied Science - Ecosystem Management	78-79	Heavy Equipment Technician - Apprenticeship	43
Bachelor of Nursing - After Degree	50-51	Interior Design Technology Diploma	101
Bachelor of Nursing	47-49	International Support Services	25
Be Fit For Life	21	Introduction	1
Bookstore	20	Justice Studies - Bachelor of Applied Arts	102
Business Administration - Accounting Diploma	52	Kodiak Athletics	21
Business Administration General Diploma	53	Learning Café	20
Business Administration - Management Diploma	53	Library	19
Business Administration - Marketing Diploma	53	Living in Residence	26
Campus Recreation	21	Loans and Student Financing	13
Career and Employment Services	18	Lockers	22
Career Programs	35-121	Lost and Found	22
Carpenter - Apprenticeship	42	Management - Business Administration Diploma	53
Chaplaincy Services	18	Marketing - Business Administration Diploma	53
Child and Youth Care Diploma	56	Massage Therapy Diploma	104
Civil Engineering Technology Diploma	58	Media (On-campus)	22
College and University Preparation - Credential of Achievement	60	Medical Device Reprocessing	106
College Directory	5	Mobile Learning	15, 28
Commercial Vehicle Enforcement - Certificate	61	Multimedia Production Diploma	107
Community and Health Promotion - Certificate	63	Natural Resource Compliance Diploma	109-110
Community and Health Promotion - Diploma	63	Nursing Degree	47-49
Computer Information Technology - Diploma	64	Online Learning	18
Computer Labs	21	Other Services	22
Conservation Enforcement - Bachelor of Applied Science	66-67	Parking	16, 22
Cook - Weekly Apprenticeship Training	42	Parts Technician - Apprenticeship	43
Correctional Studies Diploma	68-69	Perioperative Post-Diploma Nursing Program	111
Counseling (Student Support Program)	18	Physical Education Facilities	21
Course Descriptions	123-206	Placement Assessment Procedures	11
CRLC Radio	22	Plant & Soil - Agriculture Sciences Diploma	39
Criminal Justice - Policing Diploma	70-71	Plumber Apprenticeship	44
Culinary Careers Diploma	72-73	Police Recruit Training	112
Day Care (on campus)	18	Policies	12, 16, 23, 31
Digital Communications and Media	74-75	Practical Nursing Diploma	113-114
Early Childhood Education Certificate	76	President's Welcome	1
Early Childhood Education Diploma	77	Printing Services	22
Ecosystem Management - Bachelor of Applied Science	78-79	Prior Learning Assessment Fees	15
		Program List	6-7

Index Continued

Public Transportation	22
Radio	22
Recruitment	19
Refunds, Individual Course Drops and Program Withdrawal Timeline Information	16
Regional Campuses	33-34
Registration	12
Renewable Resource Management Diploma	115-116
Residence	21, 26
Returning after an Absence	11
Scholarships and Awards	27
Security Services	19
Services for First Nations, Metis, and Inuit (FNMI) Learners	24
Services for Learners	17
Services for International Learners	25
Student Experience Office	19
Student for a Day	20
Student Funding and Awards	19
Students' Health and Dental Plan	22
Student ID Card	23
Student Loan Basics	13
Student Support Program (Counselling)	18
Students Serving Students	21
Students' Association	22
Students' Association Fees	15
Supplemental Examinations	14, 124
Table of Contents	2
Technology Infrastructure Fee	15
Testing Services	20
The Endeavour	22
The MyHorizon Portal	19
Therapeutic Recreation - Gerontology Diploma	117-119
Tim Horton's	21
Transcripts	10
Transfer Credit	11
Tuition and Fees	14
Tuition Deadlines	13
Tuition Tax Receipts	14
Unit Clerk - Certificate	120
Upgrading and Transitional Programs	60
Welder - Apprenticeship	44
Welder - Wire Process Operator Apprenticeship	43
Wind Turbine Technician - Certificate	121



campus overview



- 1. D.A. Electric Barn
- 2. 30th Avenue Residences
- 3. Kodiak House Residences
- 4. Instructional Building
- 5. Aquaculture Centre of Excellence
- 6. Cousins Science Centre

- 7. Technologies Building
- 8. Paterson Building
- 9. College Drive
- 10. IWEA Tower
- 11. College Centre and Main Entrance
- 12. Trades Building

- 13. Trades and Technologies Facility (completed in 2017)
- 14. Andrews Building
- 15. Physical Education Building
- 16. Cullen Residences

connect

For a campus map, visit:
lethbridgocollege.ca/maps



Find the official
Lethbridge College
app and others at
lethbridgecollege.ca/apps



[/LethbridgeCollege](https://www.facebook.com/LethbridgeCollege)



[@LethCollege](https://twitter.com/LethCollege)



[@LethCollege](https://www.instagram.com/LethCollege)



[/LethbridgeCollege](https://www.youtube.com/LethbridgeCollege)

Student Recruitment

403.320.3322
1.800.572.0103 ext. 3322

Academic and Career Advising

403.320.3202 ext. 4905
1.800.572.0103 ext. 4905

**Student Awards
and Financial Aid**

403.320.3372
1.800.572.0103 ext. 3372

Residence Life

403.329.7218
1.800.572.0103 ext. 7218

Lethbridge College
3000 College Drive South
Lethbridge, Alberta
Canada T1K 1L6



403.320.3200 • 1.800.572.0103
info@lethbridgecollege.ca
lethbridgecollege.ca

\$10.00

CLS/CAT: General Ref Trade books
TITLE: LC CALENDAR VENDOR: INPLEX: TH
AUTHOR:
IMPRINT: IN HOUSE

