

**Welcome to**  
***your* future.**

---



# 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
- multi-screen movie theatre
- 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](http://exploresouthwestalberta.ca)  
[lethbridge.ca](http://lethbridge.ca)  
[chooselethbridge.ca](http://chooselethbridge.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...welcome to your future.

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

Within these pages, you'll find everything you can expect when you choose Lethbridge College for your post-secondary education: excellence, relevance and a road map to your future. Come experience the excitement and energy on campus and remember that as a Lethbridge College student...

- You will learn about what you love from world-class instructors. They are truly great teachers and have real-life experience in doing what they teach.
- You will benefit from our industry advisory committees, whose members help us ensure that your learning experience will provide you with the valuable skills and education required for the workforce.
- You can take your pick from over 50 career-training programs, applied degrees and apprenticeships and plunge into your chosen field right away. You'll be active in your education and an important voice in classroom conversations. And you'll be able to choose programs that are recognized by national accreditation. That means when you get your diploma, it will be recognized coast to coast.
- 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.
- You'll get the tools you need to connect to the work you'll love.

Welcome to Lethbridge College. I invite you to immerse yourself in the Kodiaks community and take advantage of all of the opportunities we offer. If you do, I think you'll find great satisfaction being part of a diverse, thriving, positive, engaged community. We wish you success along the way, and (of course)...**welcome to your future!**

**Dr. Paula Burns, MAEd, 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 .....	11
Financing Your Education .....	12
Fees and Financial Information .....	13
2015-2016 Fees .....	14

## SERVICE FOR LEARNERS

Lethbridge College Services .....	17-22
Services for First Nations, Métis, and Inuit (FNMI) Learners .....	23
Services for International Learners .....	24
Living in Residence .....	25
Scholarships and Awards .....	26
Mobile Learning .....	27

## FLEXIBLE DELIVERY

Online Learning .....	29-31
eCampus Alberta .....	32
Regional Campuses .....	33-34

## LETHBRIDGE COLLEGE PROGRAMS

College Programs .....	35-119
Administrative Office Professional .....	36
Agricultural & Heavy Equipment Technician .....	37
Agriculture Sciences .....	38-39
Apprenticeship Training .....	40-44
Automotive Systems .....	45
Bachelor of Nursing .....	46-48
Bachelor of Nursing - After Degree .....	49-50
Business Administration .....	51-54
Child and Youth Care .....	55-56
Civil Engineering Technology .....	57-58
College & University Preparation .....	59
Commercial Vehicle Enforcement .....	60

Computer Information Technology .....	61-62
Conservation Enforcement -	
Bachelor of Applied Science .....	63-64
Correctional Studies .....	65-66
Criminal Justice - Policing .....	67-68
Culinary Careers .....	69-70
Digital Communications and Media .....	71-72
Disability and Community Rehabilitation .....	73
Early Childhood Education .....	74-75
Ecosystem Management -	
Bachelor of Applied Science .....	76-77
Educational Assistant .....	78-79
Engineering Design and Drafting	
Technology .....	80-81
English as a Second Language .....	82
Environmental Assessment and	
Restoration .....	83-84
Exercise Science .....	85-86
Fashion Design and Sustainable	
Production .....	87
Fetal Alcohol Spectrum Disorder	
Education .....	88-89
Fish and Wildlife Technology .....	90-91
General Studies .....	92-96
General Studies, FNMI Career Pathways .....	97-98
Geomatics Engineering Technology .....	99-100
Health Care Aide .....	101
Interior Design Technology .....	102
Justice Studies - Bachelor of Applied Arts .....	103-104
Massage Therapy .....	105
Medical Device Reprocessing .....	106
Multimedia Production .....	107
Natural Resource Compliance .....	108-109
Perioperative Post-Diploma Nursing .....	110
Police Recruit Training .....	111
Practical Nursing .....	112-113
Renewable Resource Management .....	114-115
Therapeutic Recreation - Gerontology .....	116-117
Unit Clerk Training .....	118
Wind Turbine Technician .....	119
Course Descriptions .....	121-203
Index .....	204-205

# Academic Schedule 2015 - 2016

## Summer - 15S1 (July to August 2015)

July 1	Wednesday	College Closed (Canada Day)
July 6	Monday	Summer term begins
July 8	Wednesday	Add/Drop ends
July 8	Wednesday	Fees Due
July 14	Tuesday	Extended Drop ends
July 30	Friday	International Application Deadline for January 2016
August 3	Monday	College Closed (Heritage Day)
August 4	Tuesday	Last day to Withdraw
August 21	Friday	Last day of classes
Aug 24 & 25	Monday, Tuesday	Final Exams
August 27	Thursday	Final grades due to Registrar by 8:30 a.m.

## Fall - 15FL (September to December 2015)

September 7	Monday	College Open (Labour Day)
September 8	Tuesday	New Student Orientation
September 8	Tuesday	Domestic Application Deadline for September 2015
September 9	Wednesday	Fall term begins
September 16	Wednesday	Add/Drop ends
September 16	Wednesday	Fees Due
September 29	Tuesday	Extended Drop ends
October 12	Monday	College Closed (Thanksgiving Day)
November 6	Friday	Last day to Withdraw
November 11	Wednesday	College Closed (Remembrance Day)
November 30	Monday	International Application Deadline for May 2016
December 8	Tuesday	Last day of classes
December 11, 14-17	Friday, Monday-Thursday	Final Exams
December 21	Monday	Final grades due to Registrar by 8:30 am
Dec 24 (noon) - Jan 1	Thursday (noon) – Friday	College Closed (Holiday break)

## Winter - 16WN (January to April 2016)

January 4	Monday	College Open
January 5	Tuesday	Domestic Application Deadline for January 2016
January 6	Wednesday	Winter Term Begins
January 13	Wednesday	Add/Drop ends
January 13	Wednesday	Fees Due
January 26	Tuesday	Extended Drop ends
February 15	Monday	College Closed (Family Day)
Feb 16 – 19	Tuesday – Friday	Reading Week
March 11	Friday	Last day to Withdraw
March 25	Friday	College Closed (Good Friday)
March 28	Monday	No classes (Easter Monday)
April 1	Friday	International Application Deadline for September 2016
April 12	Tuesday	Last day of classes
Apr 15, 18-21	Friday, Monday – Thursday	Final Exams
April 22	Friday	Convocation
April 26	Tuesday	Final grades due to Registrar by 8:30 am

## Spring 2 16S2 (May to June 2016)

April 29	Friday	Domestic Application Deadline for May 2016
May 2	Monday	Spring term (short) begins
May 4	Wednesday	Add/Drop ends
May 4	Wednesday	Fees Due
May 10	Tuesday	Extended Drop ends
May 23	Monday	College Closed (Victoria Day)
June 3	Friday	Last day to Withdraw
June 17	Friday	Last day of classes
June 20-21	Monday-Tuesday	Final Exams
June 23	Thursday	Final grades due to Registrar by 8:30 am

## Spring 16SM (May to August 2016)

April 29	Friday	Domestic Application Deadline for May 2016
May 2	Monday	Spring term (long) begins
May 9	Monday	Add/Drop ends
May 9	Monday	Fees Due
May 20	Friday	Extended Drop ends
May 23	Monday	College Closed (Victoria Day)
June 30	Thursday	Last day to Withdraw
July 1	Friday	College Closed (Canada Day)
July 29	Friday	International Application Deadline for Winter 2016
August 1	Monday	College Closed (Heritage Day )
August 3	Wednesday	Last day of classes
August 8-12	Monday – Friday	Final Exams
August 16	Tuesday	Final grades due to Registrar by 8:30 am

# Academic Schedule 2016-2017

## Summer - 16S1 (July to August 2016)

July 1	Friday	College Closed (Canada Day)
July 4	Monday	Summer Term Begins
July 6	Wednesday	Fees Due
July 6	Wednesday	Add/Drop Ends
July 12	Tuesday	Extended Drop Ends
August 1	Monday	College Closed (Heritage Day)
August 5	Friday	Last day to Withdraw
August 19	Friday	Last Day of Classes
Aug 22 & 23	Monday & Tuesday	Final Exams
August 29	Monday	Final Grades Due to Registrar by 8:30 a.m.

## Fall - 16FL (September to December 2016)

September 5	Monday	College Open (Labour Day)
September 6	Tuesday	New Student Orientation
September 6	Tuesday	Domestic Application Deadline for September 2016
September 7	Wednesday	Fall Term Begins
September 14	Wednesday	Fees Due
September 27	Tuesday	Add/Drop Ends
October 1	Saturday	Extended Drop Ends
October 10	Monday	International Application Deadline for January 2017
November 4	Friday	College Closed (Thanksgiving Day)
November 11	Friday	Last day to Withdraw
December 9	Friday	College Closed (Remembrance Day)
December 12 - 16	Monday - Friday	Last Day of Classes
December 20	Tuesday	Final Exams
Dec 24 - Jan 2	Saturday - Monday	Final Grades Due to Registrar by 8:30 am
		College Closed (Christmas break)

## Winter - 17WN (January to April 2017)

January 3	Tuesday	College Open
January 6	Friday	Domestic Application Deadline for January 2017
January 9	Monday	Winter Term Begins
January 16	Monday	Fees Due
January 16	Monday	Add/Drop Ends
January 27	Friday	Extended Drop Ends
February 1	Wednesday	International Application Deadline for May 2017
February 20	Monday	College Closed (Family Day)
February 21 - 24	Tuesday - Friday	Reading Week
March 17	Friday	Last day to Withdraw
April 13	Thursday	Last Day of Classes
April 14	Friday	College Closed (Good Friday)
April 17	Monday	No Classes/Exams (Easter Monday)
April 20, 21, 24 - 26	Thurs, Friday, Mon - Wed	Final Exams
April 28	Friday	Convocation
May 1	Monday	Final Grades Due to Registrar by 8:30 am

## Spring-Short - 17S2 (May to June 2017)

May 5	Friday	Domestic Application Deadline for May 2017
May 8	Monday	Spring (Short) Term Begins
May 10	Wednesday	Fees Due
May 10	Wednesday	Add/Drop Ends
May 16	Tuesday	Extended Drop Ends
May 22	Monday	College Closed (Victoria Day)
June 1	Thursday	International Application Deadline for September 2017
June 2	Friday	Last day to Withdraw
June 23	Friday	Last Day of Classes
June 26 & 27	Monday & Tuesday	Final Exams
June 30	Friday	Final Grades Due to Registrar by 8:30 am

## Spring-Long - 17SM (May to August 2017)

May 5	Friday	Domestic Application Deadline for May 2017
May 8	Monday	Spring (Long) Term Begins
May 15	Monday	Fees Due
May 15	Monday	Add/Drop Ends
May 22	Monday	College Closed (Victoria Day)
June 1	Thursday	International Application Deadline for September 2017
May 29	Monday	Extended Drop Ends
July 3	Monday	College Closed (Canada Day)
July 7	Friday	Last day to Withdraw
August 4	Friday	Last Day of Classes
August 7	Monday	College Closed (Heritage Day)
August 8 - 14	Tuesday - Friday, Monday	Final Exams
August 17	Thursday	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](http://www.lethbridgecollege.ca)

**Claresholm Campus**.....(403) 625-4231  
**Crownsnest Pass Campus**.....(403) 563-7041  
**Lakeshore Campus** .....(403) 388-3082  
**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 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  
Campus Connections .....(403) 320-3347  
Career Centre ..... (403) 320-3202 Ext. 4905  
Chaplaincy Services .....(403) 382-0294  
Day Care Centre .....(403) 320-3430  
Finance .....(403) 382-6901  
Financial Aid .....(403) 320-3372  
Garden Court Restaurant .....(403) 382-6999  
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 .....(403) 320-3206  
Services for FNMI Learners ..... (403) 320-3202 Ext. 5731  
Services for International Learners ..... (403) 320-3202 Ext. 5532  
Student Experience Office ..... (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 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  
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  
Disability and Community Rehabilitation .....(403) 320-3393  
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) 320-6444  
Environmental Assessment and Restoration .....(403) 382-6991  
Exercise Science .....(403) 382-6991  
Fashion Design and Sustainable Production .....(403) 320-3267  
Fetal Alcohol Spectrum Disorder Education .....(403) 320-3393  
Fish and Wildlife Technology .....(403) 382-6991  
General Studies .....(403) 394-7338  
General Studies, FNMI Career Pathways .....(403) 394-7338  
Geomatics Engineering Technology .....(403) 320-3468  
Health Care Aide ..... (403) 320-3202 Ext. 5777  
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) 320-3202 Ext. 5777  
Multimedia Production .....(403) 320-3267  
Natural Resource Compliance .....(403) 382-6991  
Perioperative Nursing ..... (403) 320-3202 Ext. 5777  
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) 320-3202 Ext. 5777  
Wind Turbine Technician .....(403) 320-3411

# Programs Listed Alphabetically

- Administrative Office Professional
- Agricultural & Heavy Equipment Technician
- 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 (Pending Government Approval)
  - Welder
  - Welder - Wire Process Operator
- Automotive Systems
- Bachelor of Nursing
- 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
- Computer Information Technology
- Conservation Enforcement - Bachelor of Applied Science
- Correctional Studies
- Criminal Justice – Policing
- Culinary Careers
- Digital Communications and Media
- Disability and Community Rehabilitation (Online Learning only)
- Early Childhood Education
- Ecosystem Management – Bachelor of Applied Science (New Program Pending Government Approval)
- 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
- Fetal Alcohol Spectrum Disorder Education (Online Learning only)
- Fish and Wildlife Technology
- 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 & Life Sciences

- Agriculture Sciences
  - Animal Science Major
  - Plant and Soil Sciences Major
- Exercise Science
- General Studies - Physical Education and Leadership 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 (New Program Pending Government Approval)
- Environmental Assessment and Restoration
- Fish and Wildlife Technology
- Natural Resource Compliance
- Renewable Resource Management

## School of Allied Health

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

## School of Health Sciences

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

## School of Human Services

- Child and Youth Care
- Disability and Community Rehabilitation (Online Learning only)
- Early Childhood Education
- Fetal Alcohol Spectrum Disorder Education (Online Learning only)
- 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

- General Studies
  - Liberal Arts Majors
    - Canadian Studies
    - Cultural Studies
    - English
    - Physical Education and Leadership (see School of Agriculture & Life Sciences)
    - 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
- Automotive Systems
- Agricultural Equipment Technician Apprenticeship
- Automotive Service Technician Apprenticeship
- Heavy Equipment Technician Apprenticeship
- Parts Technician Apprenticeship

## School of Construction Trades

- Carpenter Apprenticeship
- Electrician Apprenticeship
- Plumber Apprenticeship (Pending Government Approval)
- Welder Apprenticeship
- Welder – Wire Process Operator Apprenticeship

## School of Industrial Training

- 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 processed on a first-qualified, first-served basis.

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](http://applyalberta.ca).

You can apply online by going to [lethbridgecollege.ca/apply](http://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. [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.

**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
  - Successful completion of a Post-Secondary English course
  - Assessment – refer to Placement Assessment Procedures

**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
- 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
- Official International English Language Testing System (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
- Successful completion of at least one (1) transfer level post-secondary English course from an accredited English speaking post-secondary school

## 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 apply as an Open Studies student. The following conditions apply:

# Admission Continued

- Applicant must meet the English requirement through one (1) of the following:
  - Successful completion of a Grade 12 English course
  - Successful completion of a Post-Secondary English course
  - Assessment – refer to Placement Assessment Procedures
- Open Studies students must meet individual course pre-requisite requirements for each course in which they register.
- Open Studies students may enroll in a maximum of nine (9) credits per term up to a maximum of two (2) terms, after which they must apply to a designated program in order to continue at Lethbridge College.
- 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 (20-2)	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%							■ OR ■	
Computer Information Technology	■ OR ■								
Engineering Design and Drafting Technology	50% OR 60%							■ OR ■	
Environmental Assessment and Restoration	■ OR ■				■		■		
Exercise Science				■					
Geomatics Engineering Technology	50% OR 60%							■ OR ■	
Interior Design	■ 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					■				

1. 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		■		

# Admission Continued

If assessment is being completed in lieu of academic requirements, the following minimum cut scores will be required to fulfill admission requirements.

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.

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.

# Admission Continued

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 or Open Studies 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.

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 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.

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.transferalberta.ca](http://www.transferalberta.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. Admission is considered confirmed when Lethbridge College receives your signed response to the Offer of Admissions along with the required tuition fee deposit or a written confirmation of sponsorship from a sponsoring agency. All fees associated with this acceptance and resulting course or program registrations become the responsibility of the student and/or sponsoring agent as of the acceptance date.

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 agree to be responsible for the fees associated with registration.

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.)

# 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 12 consecutive months 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 early June. You can apply for loan funding any time after this, up until about 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 and selected the terms 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 provinces.

Alberta students may apply online at [studentaid.alberta.ca](http://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 grant funding).

Paper applications are available at Lethbridge College Student Services or can be downloaded from the [studentaid.alberta.ca](http://studentaid.alberta.ca) site. Paper applications take four-six weeks to be assessed. All provinces now have online student loan applications.

### How do I qualify?

First you must demonstrate 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 and, when it is deemed appropriate, parents are also 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](http://studentaid.alberta.ca), but they require authorization by Lethbridge College's Financial Aid staff, and interest is charged throughout the part-time study period.

### What do I do after I submit my loan application?

In most cases you will be apprised immediately of your funding assessment (if you applied electronically). If you apply by paper, you will receive a Notice of Assessment in the mail in four to six weeks.

### 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.

### What do I do when I receive my Master Student Financial Aid Agreement (MSFAA)?

Receiving this/these documents means that 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 generally 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 are not charged to 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.

You are to take your MSFAA to a designated post office along with photo ID, your Social Insurance Card (or a federal document that displays both your name and your SIN along with the Maple Leaf/Federal Government symbol) and a VOID cheque (two if you receive two MSFAA's). These have to be reviewed 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. (A list of these is provided with your documents.). 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.

### 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.

# Fees and Financial Information

## What if I feel that I didn't receive enough?

You can appeal your assessment by completing a 'Change of Circumstance' form – available at Financial Aid or as a download from the [studentaid.alberta.ca](http://studentaid.alberta.ca) site. Alberta borrowers may submit completed forms at Financial Aid to be couriered in order to speed up the process. (This review generally takes four-six weeks.) Students can also write letters but need to ensure that all necessary information is provided to avoid additional delays; using the form helps to preclude these omissions.

Be advised that there are maximums for living, tuition, fees and books; if you exceed these you aren't likely to be awarded any additional funds unless you can prove exceptional circumstances.

## What if I had a loan before and I don't want one now?

If you return to full-time studies and do not apply for a loan, you will need to have Financial Aid office staff complete a provincial form or electronic portal entry to suspend your repayment status. There is no federal repayment relief for part-time students. The form/process required varies depending on your lender and must be authorized by Financial Aid staff.

Be sure to respond to any repayment requests promptly. Do not leave this until the last minute or you may be required to make some payments even if you are enrolled as a full-time student.

Much more loan related information is available at [www.lethbridgecollege.ca/awards](http://www.lethbridgecollege.ca/awards), [www.canlearn.ca](http://www.canlearn.ca), [www.alis.alberta.ca](http://www.alis.alberta.ca) and [www.studentaid.alberta.ca](http://www.studentaid.alberta.ca).

**Note:** Lethbridge College does not participate in the U.S. Student Loan Program.

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 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 2015-2016 fees are due for the following terms:

Term	Due Date
Summer I Term (July - August)	July 8, 2015
Fall Term (September - December)	September 16, 2015
Winter Term (January - April)	January 13, 2016
Summer II Term (May - June)	May 9, 2016

- 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.

# 2015-2016 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 2015/2016 Student Fee Schedules had not been finalized as of the date of publication of this calendar. Please check Lethbridge College's website for the 2015-16 tuition fee rates on courses and programs and other fees that are applicable for these services at [lethbridgecollege.ca](http://lethbridgecollege.ca).

Projected Credit Tuition Rate for Subsequent Periods: The Alberta Innovation and Advanced Education Tuition Fee Policy requires institutions to publish four-year credit tuition fee projections in their calendars. In addition to the confirmed 2015-16 credit tuition fee rates as listed on the website, the planned credit tuition rates for 2016-17, 2017-18, and 2018-19 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 2015-2016 Students' Association fees are assessed at \$4.50 per credit for students enrolled in credit courses. Credit courses offered at satellite campuses, through Online Learning and practicum courses, are assessed at \$2.02 per credit.

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

Students' Council Fund	57%
Capital Purchase Trust Fund	19%
Campus Recreation Fund	24%

## 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, 2015 to December 31, 2015		
Health	Dental	Total
\$67	\$67	\$134

Winter • Provides coverage from January 1, 2016 to August 31, 2016		
Health	Dental	Total
\$67	\$67	\$134

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 Innovation and 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](http://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.

# 2015-2016 Fees Continued

## 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

Students are responsible for printing on campus. Printing cost is 10¢ per page (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 2015-16 residence/accommodation rates, please refer to the online information at [lethbridgecollege.ca/student-experience/housing](http://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 to another at the written request of the applicant, subject to entrance requirements being met and 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](mailto: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 prospective and current students in reaching their academic and career goals. Academic Advisors aim to provide information regarding academic planning, supports for students, program options, and College policies and practices, including: admissions, graduation, transfers and program outcomes. Academic Advisors are often the first point of contact for students, and help students make informed decisions as they progress through their Lethbridge College experience. Phone to book an appointment or stop by PA1130, across from the bookstore.

### 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 and 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](mailto:accessibilityservices@lethbridgecollege.ca).

### 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.

### STUDENT SUPPORT PROGRAM (COUNSELLING)

Lethbridge College offers all Lethbridge College students' access to a Student Support Program (SSP) provided by Shepell fgi. Counselling sessions can take place through different modes of delivery such as: face-to-face, telephone, video, text-based, e-counselling and first chat.

A wide variety of health and wellness services are also available including: financial support services, health coaching, risk prevention, legal advice, nutritional services and more. Counselling Services are located at the Wellness Centre Room (CE1380). Following assessment you may be referred to other support services on campus.

### 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 40 children, aged 19 months to school-age and is in operation during the academic year. 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 centre manager and 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.

### CAREER CENTRE 403.320.3202 EXT. 4905

Career and Employment Services include: Career advising using a variety of career assessment tools to assist you in selecting an appropriate program of study; Extensive database of employers and employment opportunities; Information on work experience placements; Graduate summaries listing skills acquired in each Lethbridge College program; Resources and personalized assistance with career planning and the job search; Annual Career Conference.

### LIBRARY • 403.320.3352

- Research assistance
- Pleasant study space
- Online access to quality information sources
- AV equipment loans
- Current video, print and journal resources
- 74 computers in our Learning Commons and 144 computers in the IB Commons with word processing, spreadsheet, database applications and Internet access
- Assistance with Canvas and the MyHorizon portal
- The Alberta Library Card allows you to borrow from more than 300 libraries in Alberta
- Online resources available via the library homepage
- We have books too!

### The MyHorizon Portal • 403.320.3352 (Library)

[lethbridgecollege.ca](http://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.

# Services for Learners Continued

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, or become a Student for a Day please contact us at [info@lethbridgecollege.ca](mailto:info@lethbridgecollege.ca) or phone us at 403.320.3322. Student for a Day is available October-November and February-March. Campus tours are offered year round, Monday-Friday. Please call ahead to arrange your individualized tour.

## **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 OFFICE 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](mailto:studentexperience@lethbridgecollege.ca)

## **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](http://www.studentaid.alberta.ca)

#### **British Columbia**

[www.aved.gov.bc.ca/studentaidbc/](http://www.aved.gov.bc.ca/studentaidbc/)

#### **Saskatchewan**

[www.aeei.gov.sk.ca/student-loans/](http://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](http://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.

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.lethbridgecollege.ca/awards](http://www.lethbridgecollege.ca/awards). Click on Grant Funding for information on eligibility requirements. Inquiries can also be emailed to [awards@lethbridgecollege.ca](mailto:awards@lethbridgecollege.ca).

#### **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 from March 1 to May 1. The electronic application is simple and takes only minutes to complete. Successful recipients receive a letter in the mail in June 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 is available to anyone considering post-secondary education, or anyone who wishes to experience first-hand the life of a student at Lethbridge College. Prospective students will spend one day with a current student from the program of their choice. The day is spent attending classes, labs and experiencing campus life. 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](mailto: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. Students from other educational institutions and individuals/groups from the community can write exams at Testing Services for purposes such as course/program placement and professional accreditation, certification or qualification. Lethbridge College's regional campuses, located in Claresholm, Crowsnest Pass, and Vulcan County also offer student exam supervision.

# Services for Learners Continued

Call to book an appointment at least one business day in advance if you are writing at the main campus. 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.

## **THE LEARNING CAFÉ • 403.382.6952**

The Learning Café (CE1340) provides free academic learning support services for Lethbridge College students, including (1) Academic tutoring support in writing and research, APA documentation, math, basic sciences, computer skills, and online learning skills (on-campus and online); (2) Peer tutoring in post-secondary courses with specialized content (on-campus only); (3) Developmental Studies (DEV) courses for students requiring specific skills development (credit cost applies); (4) Study skills support through individualized appointments (on-campus and online) or group workshops covering a range of topics, such as studying effectively, time management, note taking, textbook reading, test taking, memory, and learning styles; (5) Online learning resources through the eLearning Café website ([www.lethbridgecollege.net/elearningcafe](http://www.lethbridgecollege.net/elearningcafe)).

For more information, call or drop by the Learning Café or email [learningcafe@lethbridgecollege.ca](mailto: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.

## **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](http://www.lethbridgecollege.ca/student-experience/student-services) and choose 'culinary services'.

## **GARDEN COURT RESTAURANT**

**403.382.6999**

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. Please call our answering machine at 403.382.6999 for reservations.

## **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. Basic utilities are included in the residence fees and paid parking is available. Each unit is also provided with basic cable hook-up and high-speed Internet modem.

Please see our website for further information (floor plans, residence rates, application form, and more) at [lethbridgecollege.ca/student-experience/housing](http://lethbridgecollege.ca/student-experience/housing). See our further detailed information at the back of this publication.

## **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.

## **HEALTH SERVICES • 403.320.3289**

Health Services are available to all students. Registered nurses are on duty Monday to Friday. Services include information and counselling on general health, nutrition and weight management, smoking cessation, alcohol and drug education, and sexual health including prevention of sexually transmitted diseases, birth control and pregnancy. Health Services staff can also provide students with emergency and First Aid assistance. Medical doctors hold regular office hours, Monday to Friday, in addition to a psychiatrist on site 1-2 days a week. Students can also email the clinic at [healthservices@lethbridgecollege.ca](mailto:healthservices@lethbridgecollege.ca).

Walk-in appointments are available; however, priority will be given to students with appointments. It is the student's responsibility to have medical health insurance coverage for medical expenses. Out-of-province students continue to be covered on their own provincial health insurance.

Landed immigrants living in Alberta are considered Alberta residents and must apply for Alberta Health Care within 30 days of their arrival in the province.

# Services for Learners Continued

International students living in Alberta will also qualify for Alberta Health Care coverage. They must present copies of their Student Visa, passport, and proof of their Alberta address (ie., mail, bank statement, utilities statement, letter from the College). Applications for Alberta Health Care can be completed by visiting <http://www.health.alberta.ca/AHCIP/registration-locations.html> or by visiting a local licensing and registry office. They must present 3 forms of identification, which may include copies of their Student Visa, passport and proof of their Alberta address (ie., mail, bank statement, utilities statement, letter from the College, etc.)

## **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, golf, soccer, volleyball.

**Women's:** basketball, cross country, golf, 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 have attended school in Alberta for a full year 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 and athletic therapy clinic; 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. Students and alumni can also look forward to Alumni Move Night at a local theatre.

**Convocation:** The Alumni Relations Office is proud to provide each convocate with a small gift and welcome them to a group of over 30,000 Lethbridge College graduates from around the world.

### **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. Additionally, students, alumni and the community can also receive the most up-to-date issues of Wider Horizons, the college's award winning magazine. 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](http://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.

# Services for Learners Continued

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](mailto: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](mailto: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.

**CRCLC:** CRCLC 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. CRCLC 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](http://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.

### PRINTING

Students are responsible for printing on campus. The printing cost is 10¢ per page (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](http://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](mailto:policy@lethbridgecollege.ca).

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



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](mailto:fnmi@lethbridgecollege.ca)

**FNMI Student Advisor** • Located in the FNMI Services and Student Lounge (AN1501), the FNMI Student Advisor 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.

For further information contact: FNMI Student Advisor at 1.800.572.0103 or 403.320.3202, Ext. 5731  
[fnmi@lethbridgecollege.ca](mailto:fnmi@lethbridgecollege.ca)

**FNMI Academic Advisor** • The FNMI Academic Advisor provides academic advising geared towards FNMI learners. Through facilitated information sessions, the FNMI Academic Advisor assists prospective students explore programs, admission requirements, services and FNMI support offered by Lethbridge College. The FNMI Academic Advisor 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: FNMI Academic Advisor at 1.800.572.0103 or 403.320.3202, Ext. 5210  
[fnmi@lethbridgecollege.ca](mailto: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](mailto:fnmi@lethbridgecollege.ca)



# Services for International Learners

**International Services** • Phone: 403.320.3202 Ext. 5532 • Email: [international@lethbridgecollege.ca](mailto: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](http://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](http://lethbridgecollege.ca/international).

We also organize an International Student Welcome at the beginning of the fall term. 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](http://lethbridgecollege.ca/international).



# Living in Residence [lethbridgecollege.ca/residence](http://lethbridgecollege.ca/residence)

**Lethbridge College Residence Life provides a warm, welcoming and convenient home away from home for more than 500 learners annually.**

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. Coin-operated laundry facilities are available for each type of accommodation. Parking passes for residence can be purchased at the Lethbridge College bookstore.

## **Cullen Residence, Townhouse**

Thirty-four townhouses provide many advantages for those students wanting affordable on-campus accommodation. Each townhouse has three levels, four bedrooms, two bathrooms, a dining room, completely furnished kitchen and living room and a full size 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).

## **Cullen Residence, Two Bedroom Suites**

Forty-four suites have two bedrooms (approximately 102 square feet), a bathroom, a completely furnished kitchen and living room.

**Cullen Family Unit** • Eight units (approximately 441 square feet) accommodate learners with families. Each unit has two bedrooms, a bathroom, dining room and a completely furnished 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, fully equipped kitchen including a dishwasher, 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.

Our units are fully 'self-contained', so you only need to bring your personal items (bedding, towels, etc.).

Provided in each residence unit:

- kitchen, living room and bedroom furniture
- dishes, utensils, pots, pans, coffeemaker, toaster
- broom and dustpan, mop and pail
- fridge, stove or hot plate, and microwave
- high-speed internet modem

Residence rooms are offered only to students who have been accepted into a program at Lethbridge College, based on the order applications are received. Room offers are emailed to Lethbridge College email addresses beginning in April for the fall term, and in late October for the winter term.

Resident Assistants are on call after office hours and on weekends to assist students with problems or emergencies. 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.

\*For more information on our services and accommodations, to view floor plans, to view current residence rates, and to print a Residence Application form, visit: [lethbridgecollege.ca/residence](http://lethbridgecollege.ca/residence) or contact 403.329.7218 or 1.800.572.0103 (ext. 7218) [res.life@lethbridgecollege.ca](mailto: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 on both the home page and the Financial Aid site (under the Admissions tab, click on 'Financial Aid and Awards') or enter [www.lethbridgecollege.ca/awards](http://www.lethbridgecollege.ca/awards) in the address bar.

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 perusing Entrance Awards 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](mailto: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.studentawards.com](http://www.studentawards.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](http://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**:

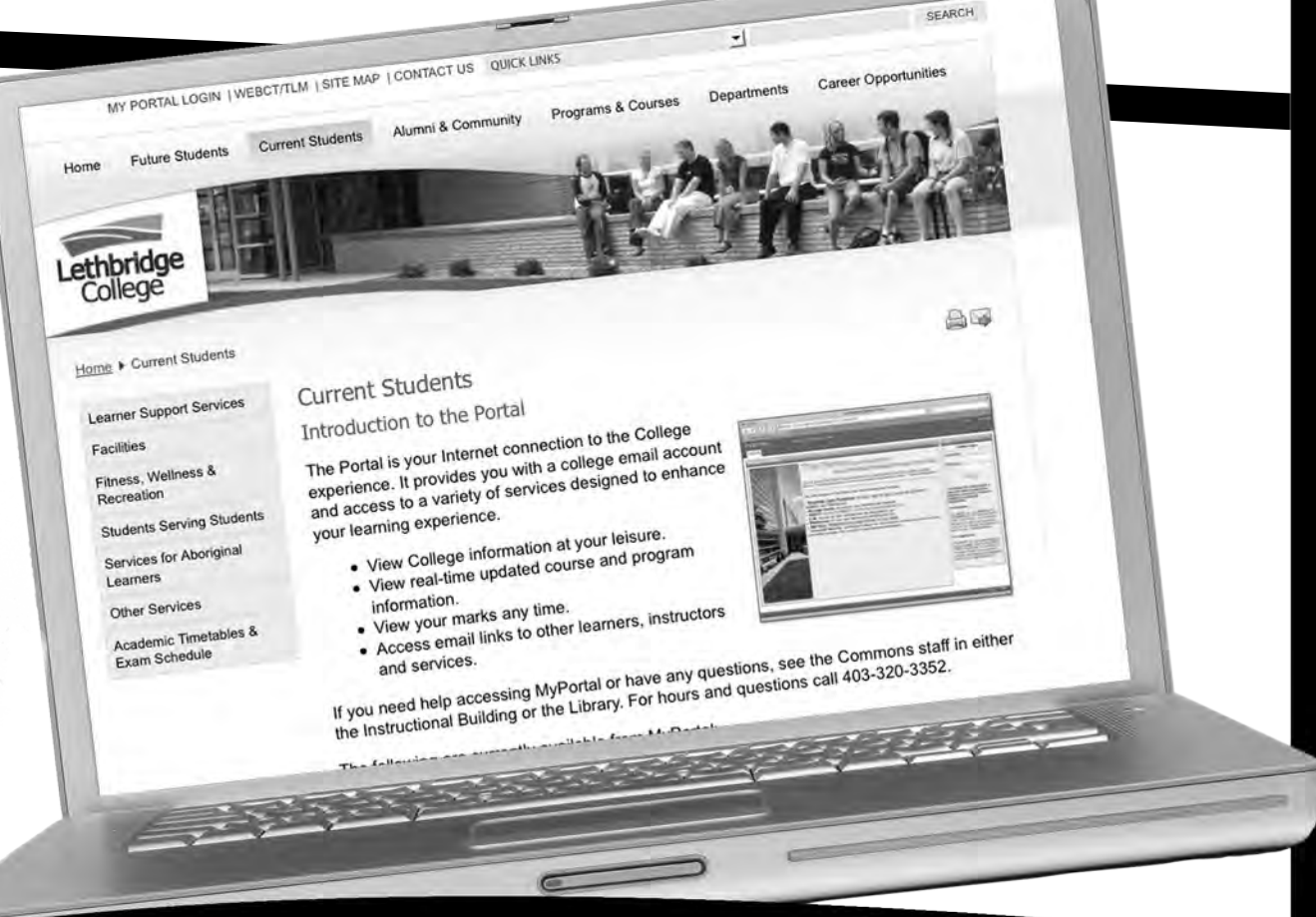
- Civil Engineering Technology
- Engineering Design and Drafting Technology
- Geomatics Engineering Technology
- Interior Design Technology
- Digital Communications and Media

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](http://www.lethbridgecollege.ca/mobilelearning) for recommended options.**





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

# Online Learning

Some call it online learning, others distributed learning, and still others blended 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 apply as an Open Studies student which enables you to enroll in a maximum of nine (9) credits per term up to a maximum of two (2) terms without applying to a specific program. Exceptions to the credit and term limit for Open Studies students may be considered with permission of the Registrar and academic Dean.

## DELIVERY METHODS

Online Learning courses at Lethbridge College are offered in 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](http://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](mailto: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](mailto: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](http://www.lethbridgecollege.net/elearningcafe).

## FEES

To view fee information for your program, please go to [lethbridgecollege.ca/programs](http://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 & Life Sciences

- Agriculture Sciences
  - Animal Science Major
  - Plant and Soil Science Major
- General Studies - Physical Education and Leadership major
- Exercise Science

## School of Business

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

## 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
- Natural Resource Compliance

## School of Allied Health

- Health Care Aide
- 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
- Disability and Community Rehabilitation • (complete program available)
- Early Childhood Education (complete program available)
- Fetal Alcohol Spectrum Disorder Education • (complete program available)
- Educational Assistant (complete program available)

## School of Justice Studies

- Correctional Studies (complete program available)
- Justice Studies - Bachelor of Applied Arts (complete program available)
- Criminal Justice – Policing (complete program available)

## School of Liberal Arts

- General Studies Diploma Liberal Arts Majors
  - Canadian Studies
  - Cultural Studies
  - English
  - 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](mailto:policy@lethbridgecollege.ca).



# eCampusAlberta

The following Lethbridge College programs offer courses through eCampusAlberta:

- Correctional Studies
- Justice Studies - Bachelor of Applied Arts
- Criminal Justice - Policing
- Disability and Community Rehabilitation
- Early Childhood Education
- Fetal Alcohol Spectrum Disorder Education
- General Studies
- Educational Assistant
- Therapeutic Recreation - Gerontology

For current listings of all courses available through all participating institutions, please go online to **[www.ecampusalberta.ca](http://www.ecampusalberta.ca)**.

New courses are continually added as they become available.



Check out our campuses:

- Claresholm
- Crowsnest Pass
- Vulcan County

# Regional Campuses

Lethbridge College has three regional campuses which facilitate access to a variety of academic programs on a full- and part-time basis, and learner support services. The campuses are located in Claresholm, the Crowsnest Pass, and Vulcan County.

## Flexible Learning

Each campus is equipped with classrooms, computer stations, and a video conference suite. Learners may utilize the computers to access a variety of learner services as well as programs that are available online. The video conference suite enhances the opportunity to deliver programs to the regional campuses where learners are linked together to participate in a number of learning activities including post-secondary courses and continuing education opportunities. Face-to-face instruction and labs complement the use of technology to create blended learning opportunities.

## Learning Support Services

Adult learners will have access to a variety of learning support services to enhance their success (services vary by campus):

- Information regarding academic upgrading and post-secondary education programs available at Lethbridge College, other educational institutions and via eCampusAlberta.
- Testing services including exam supervision and test administration. Individuals and groups from the community and professional associations can arrange to write tests at the regional campuses for purposes such as admission/placement, accreditation, certification or qualification.
- Access to and assistance with completing a variety of forms such as applications and funding forms.
- Referrals to various departments at the College for counseling, advising, and service management.
- Access to a local learning assistant.
- Access to the eLearning Café and online tutoring.

## Programs and Courses

For more information on programs and courses that are being offered at any or all of the campuses, please visit the links or contact any of the campuses.

### Contact

#### ***Claresholm Campus***

[www.lethbridgecollege.ca/claresholm-campus](http://www.lethbridgecollege.ca/claresholm-campus)

Phone: 403.625.4231 • Email: [claresholm@lethbridgecollege.ca](mailto:claresholm@lethbridgecollege.ca)

#### ***Crowsnest Pass Campus***

[www.lethbridgecollege.ca/crowsnest-pass-campus](http://www.lethbridgecollege.ca/crowsnest-pass-campus)

Phone: 403.563.7041 • Email: [crowsnestpass@lethbridgecollege.ca](mailto:crowsnestpass@lethbridgecollege.ca)

#### ***Vulcan County Campus***

[www.lethbridgecollege.ca/vulcan-county-campus](http://www.lethbridgecollege.ca/vulcan-county-campus)

Phone: 403.485.1488 • Email: [vulcancounty@lethbridgecollege.ca](mailto:vulcancounty@lethbridgecollege.ca)

# 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](mailto:office@lethbridgecollege.ca)

Office of the Chair: 403.320.3202 Ext. 5375

Office of the Dean: 403.320.3318

## PROGRAM OVERVIEW

The Administrative Office Professional program prepares students for a career in a professional office environment. Today's business workplace relies increasingly on technology and well-trained capable individuals to ensure that administrative tasks are handled efficiently and effectively.

Administrative professionals could be working for small businesses, large corporations, a 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 need to have excellent computer skills as well as problem-solving and decision-making skills. At Lethbridge College, we offer a one-year Administrative Office Professional certificate program that 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.

It is recommended that applicants have a minimum typing speed of 30 words per minute.

## YOUR INVESTMENT

Program fees will vary. To view fee information for your program, go to [lethbridgecollege.ca/programs](http://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](http://www.lethbridgecollege.ca/mobilelearning) for additional information.

## CURRICULUM

Year 1 Term I		Learning Credits
BUS 1180	Project Management	3
BUS 1185	Business Computer Applications	1.5
ENG 1168	Business Communication *	3
KEY 1140	Document Processing	3
KEY 1144	Keyboard Speed Development	1.5
ORG 1148	Office Dynamics	3
		<b>15</b>
Year 1 Term II		
ACC 1146	Bookkeeping	3
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
		<b>16.5</b>

\*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.

## School of Business

Find out more about other programs offered in this school:

- Business Administration .....p. 51
- Computer Information Technology .....p.61

[lethbridgecollege.ca/programs](http://lethbridgecollege.ca/programs)

# Agricultural and Heavy Equipment Technician

Program Office: 403.320.3411 • [tradeslc@lethbridgecollege.ca](mailto: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](http://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
	<b>18</b>
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
	<b>21</b>

## 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 Apprenticeship .....p.40
- Automotive Systems .....p.45
- Automotive Service Technician Apprenticeship .....p.40
- Heavy Equipment Technician Apprenticeship .....p.42
- Parts Technician Apprenticeship .....p.42

[lethbridgecollege.ca/programs](http://lethbridgecollege.ca/programs)

# Agriculture Sciences

Program Office: 403.382.6991 • [agsciences@lethbridgecollege.ca](mailto:agsciences@lethbridgecollege.ca)

Office of the Program Chair: 403.382.6998

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 both 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.

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](http://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

ENG 1154	Writing for Technologists (OL)	3
RRM 1153	Soil Resources	3
PLT 1152	Introduction to Botany	3
BIO 1175	Animal Science	3
IRR 1152	Introduction to Irrigation	3
BUS 1166	Business Law	3
		<b>18</b>

### 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
		<b>16.5</b>

## 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 2266	Soil Fertility	3
PLT 2260	Special Crops	3
PLT 2261	Weed Identification	3
PLT 2262	Field Crops	3
Elective		3
		<b>18</b>

### Year 2 Term II

AGR 2256	Maps and GIS for Agriculture	3
AGR 2261	Sustainable Agriculture	3
IRR 2252	Sprinkler Systems and Irrigation Management	3
PLT 2263	Pesticide Application	3
Elective		3
		<b>15</b>

### Plant and Soil Sciences Major Elective Courses

ACC 1175	Financial Accounting II	3
ACC 2258	Farm Accounting *	3
AGR 1152	Agriculture Research Study	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 1163	Terrestrial Ecology	3
BIO 2262	Animal Physiology	3
BUS 1170	Introduction to Management	3
BUS 1177	Entrepreneurship	3
ECN 1180	Microeconomics	3
ENV 2255	Land Use Practices	3
GEO 1150	Geographical Science	3
LAW 2265	Intro to Environmental Law	3
PSC 1150	Local Government	3
PSC 1165	Canadian Government	3
RRM 2281	Water Quality	3

\*Only offered if sufficient enrolment numbers.

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

### ANIMAL SCIENCE MAJOR

### Year 2 Term I Learning Credits

AGR 2250	Agriculture Finance	3
AGR 2287	Monogastric Production	3
AGR 2294	Animal Health	3
BIO 2262	Animal Physiology	3
PLT 2261	Weed Identification	3
Elective		3
		<b>18</b>

### Year 2 Term II

AGR 2261	Sustainable Agriculture	3
AGR 2280	Animal Nutrition	3
AGR 2289	Beef Cattle Production	3
AGR 2291	Ruminant Production	3
Elective		3
		<b>15</b>

# Agriculture Sciences Continued

## Animal Science Major Elective Courses

ACC 1175	Financial Accounting II	3
ACC 2258	Farm Accounting *	3
AGR 1152	Agriculture Research Study	3
AGR 2252	Agriculture Research Study	6
AGR 2256	Maps and GIS for Agriculture	3
AGR 2266	Soil Fertility	3
AGR 2286	Agricultural Business Management*	3
BIO 1151	Environmental Issues (OL)	3
BIO 1163	Terrestrial Ecology	3
BUS 1170	Introduction to Management	3
BUS 1177	Entrepreneurship	3
ECN 1180	Microeconomics	3
ENV 2255	Land Use Practices	3
GEO 1150	Geographical Science	3
IRR 2252	Sprinkler Systems and Irrigation Management	3
LAW 2265	Intro to Environmental Law	3
PLT 2260	Special Crops	3
PLT 2262	Field Crops	3
PLT 2263	Pesticide Applications	3
PSC 1150	Local Government	3
PSC 1165	Canadian Government	3
RRM 2281	Water Quality	3

\*Only offered If sufficient enrolment numbers.

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.

## NAIT

Graduates of the Agriculture Sciences 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 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.

### University of Saskatchewan

Transfer agreement is pending for graduates of the Agriculture Sciences diploma to transfer into the B.Sc. Agriculture degree.

## School of Agriculture & Life Sciences

Find out more about other programs offered in this school:

- Exercise Science.....p.85
- General Studies - Physical Education and Leadership major .....p.95

[lethbridgecollege.ca/programs](http://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
- 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:  
Telephone: 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](http://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](mailto: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](mailto: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 formal experience 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. 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.

## **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.

# Apprenticeship Training Continued

## 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](mailto:electricaldistance@lethbridgecollege.ca) or the Program Chair at 403.320.3366

## HEAVY EQUIPMENT TECHNICIAN

Chair: 403.394.7348  
[tradeslc@lethbridgecollege.ca](mailto: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](mailto: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.

## PLUMBER

(Pending Government Approval)  
Chair: 403.320.3366  
[tradeslc@lethbridgecollege.ca](mailto: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.

# Apprenticeship Training Continued

## 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.

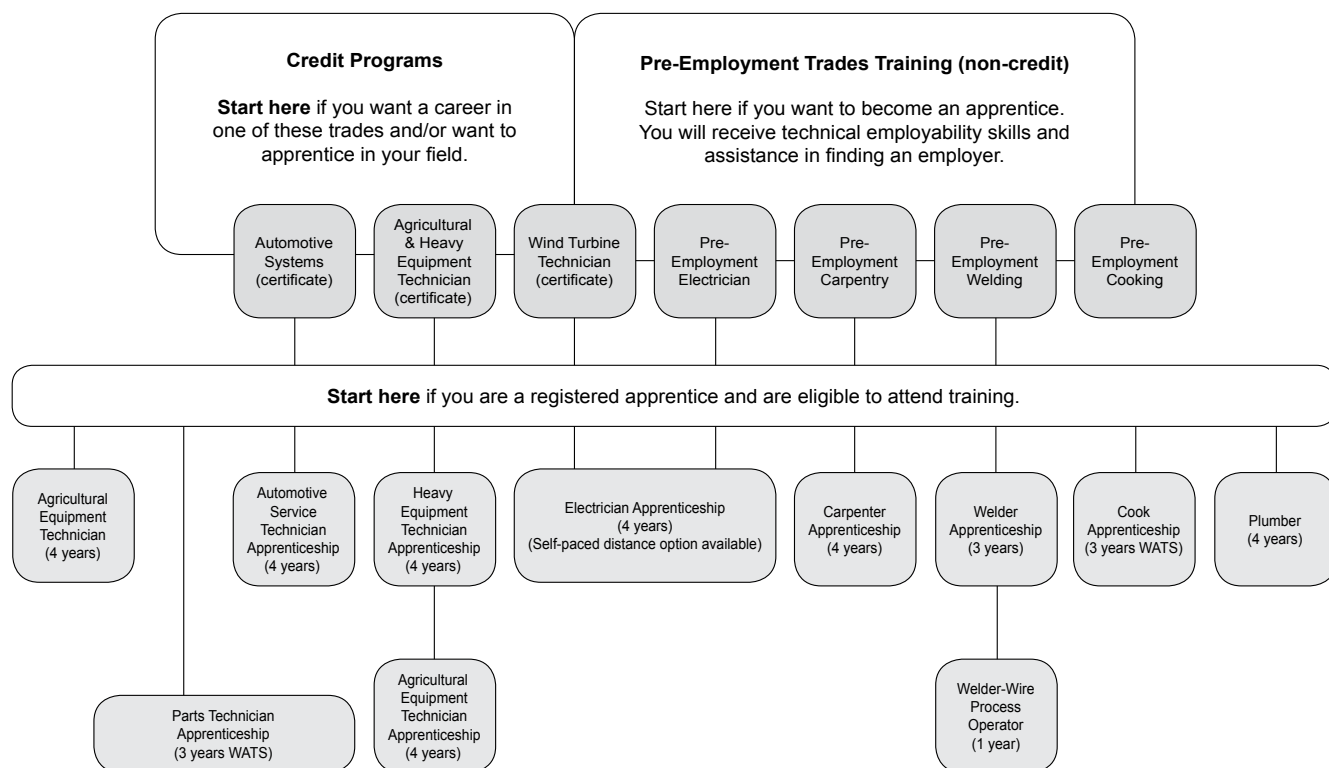
For a typical welding project, they:

- 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](http://lethbridgecollege.ca/trades)

# Automotive Systems

Program Office: 403.320.3411 • [tradeslc@lethbridgecollege.ca](mailto: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. Failure by the student to accept by way of legal contract and abide by these terms and conditions will result in non-completion of the program.

## YOUR INVESTMENT

Program fees will vary. To view fee information for your program, go to [lethbridgecollege.ca/programs](http://lethbridgecollege.ca/programs) and select your program.

### Crook's School of Transportation

Find out more about other programs offered in this school:

- Agricultural Equipment Technician Apprenticeship .....p.40
- Agricultural & Heavy Equipment Technician .....p.37
- Automotive Service Technician Apprenticeship .....p.40
- Heavy Equipment Technician Apprenticeship .....p.42
- Parts Technician Apprenticeship .....p.42

[lethbridgecollege.ca/programs](http://lethbridgecollege.ca/programs)

## 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
	<b>18</b>
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
	<b>19.5</b>

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).

# 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.

Adult student (Mature) 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
- and will be required to submit the following:

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.

## 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) Adult student (Mature) admission.
- d) Credentials from other countries.

If currently studying, applicants should submit mid-term grades with the instructor's signature as soon as possible. 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.

## 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.

## PRACTICUM EXPERIENCE REQUIREMENTS

There is a required practicum component to this program. The College dictates the legal terms and conditions governing the practicum experience. Failure by the student to accept by way of legal contract and abide by these terms and conditions will result in non-completion of the program.

# Bachelor of Nursing Continued

Students must meet and maintain certain requirements to participate in the practice setting as determined by practice agencies and/or legislated by government bodies. These include certain health immunizations, police information check, current CPR certification, OH&S requirements (e.g., Fire Safety, WHMIS, Mask Fit-testing, etc.), and other agency/site specific requirements (e.g. back care, IV management, privacy/confidentiality, etc.). There are also immunizations and health screening tests that are strongly recommended. Situations often arise when recommendations become requirements (e.g. declared outbreaks, host agency protocols, etc.).

## 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.

The Bachelor of Nursing program incorporates a graduated minimum Nursing G.P.A. calculated each semester, based only on the nursing courses. 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.

Year of Study	Required Nursing GPA
Year 1	2.0
Year 2	2.3
Years 3 & 4	2.5

If this academic standing is not attained, the student will be placed on academic probation.

## ACADEMIC DISQUALIFICATION

A student who falls below the minimum GPA for two successive terms will be disqualified from further registration in the program. The student may apply for re-admission after a lapse of one full year. Students dismissed for a second time will not be re-admitted to the program.

## STANDARDS OF PROFESSIONAL CONDUCT

The standards of professional conduct for students in the Bachelor of Nursing program are published in the NESA 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, 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](http://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.

## CURRICULUM

Year I Term I	Learning Credits
BIO 1160 Anatomy and Physiology I	3
NSG 1150 (U of L 1020) Concepts of Health I	3
NSG 1163 (U of L 1220) Nursing Practice I	6
ENG 1150 Composition (U of L HUM1xxx) (OL)	3
PSY 1160 (U of L 1000) Introduction to Psychology (OL)	3
	<b>18</b>

Year I Term II	Learning Credits
BIO 1161 Anatomy and Physiology II	3
BIO 1162 Microbiology (OL)	3
NSG 1155 (U of L 1120) Concepts of Health II	3
NSG 1173 (U of L 1320) Nursing Practice II	6
SOC 1160 (U of L 1000) Introduction to Sociology (OL)	3
	<b>18</b>

Year II Term I	Learning Credits
NSG 2250 (U of L 2020) Health, Illness and Healing I OR	3
NSG 2254 (U of L 2125) Health, Illness and Healing II	3
NSG 2263 (U of L 2150) Nursing Practice III OR	6
NSG 2293 (U of L 2255) Nursing Practice IV	6
NSG 2290 (U of L 2260) Applied Therapeutics	3
HUM 1155 (U of L Philosophy 1000) Ethics (OL)	3
PSY 1170 Human Development across the Lifespan (OL)	3
	<b>18</b>

Year II Term II	Learning Credits
NSG 2250 (U of L 2020) Health, Illness and Healing I OR	3
NSG 2254 (U of L 2125) Health, Illness and Healing II	3
NSG 2279 (U of L 2135) Professional Seminar I	3
NSG 2263 (U of L 2150) Nursing Practice III OR	6
NSG 2293 (U of L 2255) Nursing Practice IV	6
GLER Social Science Elective	3
GLER Humanities or Fine Arts Elective	3
	<b>18</b>

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

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

# Bachelor of Nursing Continued

## General Requirements

1. 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.
2. 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.
3. 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 III Term I

#### One of:

NURS 3020 Health, Illness & Healing III	3
NURS 3125 Health, Illness & Healing IV	3
NURS 3230 Health, Illness & Healing V	3

#### One of:

NURS 4510 Nursing Practice - Mental Health Nursing	6
NURS 4520 Nursing Practice – Community Health Nursing	6
NURS 4530 Nursing Practice – Medical Surgical Nursing	6

HLSC 3450/PSYC 3450 Applied Statistics for Clinical Practice	3
NURS 3360 Research Methodology	3
	<b>15</b>

### Year III Term II

#### One of:

NURS 3020 Health, Illness & Healing III	3
NURS 3125 Health, Illness & Healing IV	3
NURS 3230 Health, Illness & Healing V	3

#### One of:

NURS 4510 Nursing Practice - Mental Health Nursing	6
NURS 4520 Nursing Practice – Community Health Nursing	6
NURS 4530 Nursing Practice - Medical Surgical Nursing	6
NURS 3135 Professional Seminar II	3
Fine Arts & Humanities Elective	3
	<b>15</b>

### Year IV Term I

#### One of:

NURS 3020 Health, Illness & Healing III	3
NURS 3125 Health, Illness & Healing IV	3
NURS 3230 Health, Illness & Healing V	3

#### One of:

NURS 4510 Nursing Practice - Mental Health Nursing	6
NURS 4520 Nursing Practice - Community Health Nursing	6
NURS 4530 Nursing Practice - Medical Surgical Nursing	6

NURS 4135 Professional Seminar III	3
Health Sciences/Public Health Elective	3
	<b>15</b>

### Year IV Term II

NURS 4750 Senior Clinical Consolidation	<b>15</b>
---	-----------

## School of Health Sciences

Find out more about other programs offered in this school:

- Massage Therapy.....p.105
- Bachelor of Nursing - After Degree.....p.49
- Perioperative Post-Diploma Nursing.....p.110
- Practical Nursing.....p.112
- Therapeutic Recreation - Gerontology.....p.116

[lethbridgecollege.ca/programs](http://lethbridgecollege.ca/programs)

# Bachelor of Nursing - After Degree

Program Office: 403.320.3348 • NES-A-RN@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.

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.

## PRACTICUM EXPERIENCE REQUIREMENTS

There is a required practicum component to this program. The College dictates the legal terms and conditions governing the practicum experience. Failure by the student to accept by way of legal contract and abide by these terms and conditions will result in non-completion of the program.

Students must meet and maintain certain requirements to participate in the practice setting as determined by practice agencies and/or legislated by government bodies. These include certain health immunizations, police information check, current CPR certification, OH&S requirements (e.g. Fire Safety, WHMIS, Mask Fit-testing, etc.), and other agency/site specific requirements (e.g. back care, IV management, privacy/confidentiality, etc.). There are also immunizations and health screening tests that are strongly recommended. Situations often arise when recommendations become requirements (e.g. declared outbreaks, host agency protocols, etc.).

## 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.

## MINIMUM GRADE REQUIREMENT

A minimum grade of C is required in NSG 1182 (U of L Nursing 1150). 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 in order to meet degree requirements. Any student who receives a grade of D + or lower is required to repeat the course and achieve a higher grade before being allowed to proceed in the program.

In the Bachelor of Nursing - After Degree program, students must attain a minimum GPA of 2.0 in the first semester, 2.3 in the second semester, and 2.5 for the remainder of the program.

Semester of Study	Required Nursing GPA
Semester 1	2.0
Semester 2	2.3
Remainder of Program	2.5

If this academic standing is not attained, the student will be placed on academic probation.

## ACADEMIC DISQUALIFICATION

A student who is on probation for two successive terms will be disqualified from further registration in the program. The student may apply for re-admission after a lapse of one full year. Students dismissed for a second time will not be re-admitted to the program.

## 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](http://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.

# Bachelor of Nursing - After Degree Continued

## CURRICULUM

### Term I

#### Learning Credits

NSG 1181	(U of L 1020/1120)	
	Introduction to Nursing	6
NSG 1182	(U of L 1150)	
	Health Assessment	6
NSG 3360	(U of L) Research	
	Methodology	3
		<b>15</b>

### Term II

NSG 2250	(U of L 2020) Health, Illness and Healing I	3
NSG 2290	(U of L 2260) Applied Therapeutics	3
NSG 2263	(U of L 2150) Nursing Practice III	6
		<b>12</b>

Terms III - VI are delivered at the University of Lethbridge.

### Term III

Nursing 2125 Health, Illness and Healing II  
 Nursing 2255 Nursing Practice IV  
 Nursing 3125 Health, Illness and Healing IV  
 Nursing 4511 Mental Health Nursing Practice

### Term IV

Nursing 3135 Professional Seminar II  
 Nursing 3020 Health, Illness and Healing III  
 Nursing 4520 Nursing Practice - Community Health Nursing

### Term V

Nursing 3230 Health, Illness and Healing V  
 Nursing 4135 Professional Seminar III  
 Nursing 4530 Nursing Practice - Medical Surgical Nursing

### Term VI

Nursing 4750 Senior Clinical Consolidation

## School of Health Sciences

Find out more about other programs offered in this school:

- Massage Therapy.....p.105
- Bachelor of Nursing.....p.46
- Perioperative Post-Diploma Nursing.....p.110
- Practical Nursing.....p.112
- Therapeutic Recreation - Gerontology.....p.116

[lethbridgecollege.ca/programs](http://lethbridgecollege.ca/programs)

# Business Administration

Program Office: 403.320.3213 • [business@lethbridgecollege.ca](mailto: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. Refusal by the student to accept by way of legal contract these terms and conditions will prevent the student from participating in the practicum experience.

## YOUR INVESTMENT

Program fees will vary. To view the fee information for your program, go to [lethbridgecollege.ca/programs](http://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
		<b>31.5</b>

\* 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.

# Business Administration Continued

## 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.

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
	<b>30</b>

## 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
	<b>30</b>

## 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
	<b>30</b>

## 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
	<b>30</b>

# Business Administration Continued

## 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

## 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 they have maintained a cumulative grade point average of at least 3.0 in the Lethbridge College diploma program. This arrangement is known as a 2+2 agreement. It is highly recommended, but not mandatory, that BUS-2292 and STS-2250 are included in your Lethbridge College diploma. Visit [www.uleth.ca](http://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. Some of the Athabasca courses may be offered on-site at Lethbridge College in the evenings. For more information, contact the Athabasca University advisor in IB1142 or 403-320-3431. Visit [www.athabascau.ca](http://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](http://www.royalroads.ca) for more information.

# Business Administration Continued

## **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](http://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.

**School of Business**

Find out more about other programs offered in this school:

- Administrative Office Professional.....p. 36
- Computer Information Technology .....p.61

[lethbridgecollege.ca/programs](http://lethbridgecollege.ca/programs)

# Child and Youth Care

Program Office: 403.320.3393 • [humanservices@lethbridgecollege.ca](mailto: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. Failure by the student to accept by way of legal contract and abide by these terms and conditions will result in non-completion of the program.

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](http://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
	<b>18</b>

Year 1 Term II	Learning Credits
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
	<b>18</b>

Year 2 Term I	Learning Credits
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
	<b>18</b>

Year 2 Term II	Learning Credits
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
	<b>12</b>

(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.

Students who complete the Child and Youth Care diploma are eligible for admission into the Fast Track Option of the Fetal Alcohol Spectrum Disorder Education program at Lethbridge College.

### 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](http://www.griffith.edu.au/credit) for more information.

### University of Calgary

Two-year diploma graduates will be awarded five full-course equivalents.

## School of Human Services

Find out more about other programs offered in this school:

- Disability and Community Rehabilitation .....p.73
- Early Childhood Education .....p.74
- Fetal Alcohol Spectrum Disorder Education .....p.88
- Educational Assistant .....p.78

[lethbridgecollege.ca/programs](http://lethbridgecollege.ca/programs)

# Civil Engineering Technology

Program Office: 403.320.3468 • [engineeringtech@lethbridgecollege.ca](mailto: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 diploma program in Civil Engineering Technology will prepare you for a rewarding career in civil engineering technology and construction management.

In the first year of the program, we'll give you a comprehensive introduction to engineering fundamentals. You'll learn about topics ranging from Computer Assisted Drafting (CAD) and land surveying to fluid mechanics, applied physics and concrete technology.

In the second year, you focus on engineering design and management. You'll develop a practical understanding of structural design and detailing, construction methods, environmental technology, municipal/highway design, estimating and business management. You learn how to use state-of-the-art computer applications and bring together your knowledge and hands-on experience in applied research projects. These projects involve spending lots of time in the field, meeting other engineering technology professionals and using data from real sites to develop a personal portfolio.

You also learn about the environmental and ethical dimensions of civil engineering. While engineers build to improve society, all building has environmental and social costs that must be considered. Your classroom, fieldwork and project experience will show you how to balance costs and benefits in the construction process.

In fact, at the end of the program you'll find that your Civil Engineering Technology Diploma has given you more than a comprehensive introduction to civil engineering theory and practice – you'll have built the foundation for a successful career.

## CAREER OPPORTUNITIES

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

## 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. Refusal by the student to accept by way of legal contract these terms and conditions will prevent the student from participating in 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](http://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](http://www.lethbridgecollege.ca/mobilelearning) for additional information.

## CURRICULUM

Year 1 Term I		Learning Credits
CAD 1155	Introductory AutoCAD	3
CON 1140	Engineering Contracts	3
CPU 1150	Computers in Engineering Technology	1.5
DRF 1153	Introduction to Drafting	3
ENG 1154	Writing for Technologists (OL)	3
MTH 1149	Pre-Calculus (OL)	3
PHY 1143	Applied Physics	3
SUR 1150	Land Survey	3
		<b>22.5</b>
Year 1 Term II		
CON 1150	Codes, Details & Drawings	3
CON 1155	Managing the Construction Process	3
CON 2209	Business Management in Construction	3
ENF 1135	Statics	3
ENF 1158	Soils	3
ENF 1161	Fluid Mechanics	3
ENF 1168	Construction Materials for Civil Engineering	3
MTH 1160	Calculus I	3
SUR 1162	Survey Applications	3
		<b>27</b>
Year 1 Term III (OPTIONAL)		
MTH 1165	Calculus II	3

# Civil Engineering Technology Continued

## Year 2 Term I Learning Credits

CIV 2253	Water Resources Engineering	3
CIV 2254	Irrigation Structures	3
CIV 2260	Highways	3
CON 2252	Heavy Construction	3
CPU 2248	Computer Applications in Civil Engineering	3
ENF 1150	Strength of Materials	3
GEO 2255	Geographical Information Systems I	3
STS 1183	Engineering Statistics & Research Methods	3
		<b>24</b>

## Year 2 Term II

CIV 2257	Environmental Engineering	3
CIV 2258	Timber Design and Detailing	3
CIV 2263	Steel Design and Detailing	3
CIV 2266	Reinforced Concrete Design	3
CIV 2274	Infrastructure Servicing	3
CON 2255	Construction Estimating	3
GEO 2256	Geographical Information Systems II	1.5
RSR 2251	Applied Research for Engineering	3
		<b>22.5</b>

## Year 2 Term III - (OPTIONAL)

CIV 2237	Work Experience	3
----------	-----------------	---

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

## 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).

### 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.

### 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.

### Memorial University

A third alternative for Lethbridge College graduates would be to seek a Bachelor of Technology with emphasis on management skills. This can be obtained from Memorial University of Newfoundland. The program is available on a full-time or a part-time basis and may be completed in three terms.

### 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.

## NAIT

Graduates of the Civil Engineering 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.

## 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.

## 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](http://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 Technology .....p.80
- Geomatics Engineering Technology.....p.99

[lethbridgecollege.ca/programs](http://lethbridgecollege.ca/programs)

# College and University Preparation

Program Offices: Main Campus: 403.329.7269 • Crowsnest Pass Campus: 403.562.2853

Claresholm Campus: 403.625.4231 • [upgrading@lethbridgecollege.ca](mailto:upgrading@lethbridgecollege.ca)

Office of the Program Chair: 403.320.3202 Ext. 5308 • Office of the Dean: 403.317.3597

## 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](http://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	5
BIO 0095	Biology	5
CHM 0085	Chemistry	5
CHM 0095	Chemistry	5
DEV 0001	Developmental Studies	1
DEV 0002	Developmental Studies	2
DEV 0003	Developmental Studies	3
DEV 0004	Developmental Studies	4
DEV 0005	Developmental Studies	5
ENG 0063	English Basics	5
ENG 0070	English	5
ENG 0080	English	5
ENG 0085	English	5
ENG 0090	English	5
ENG 0095	English	5
MTH 0060	Mathematics	5
MTH 0075	Mathematics	5
MTH 0085	Mathematics	5
MTH 0092	Mathematics	5
MTH 0095	Mathematics	5
MTH 0097	Introduction to Calculus	5
PHY 0085	Physics	5
PHY 0095	Physics	5
RDG 0075	Developing Reading Efficiency	5
RDG 0096	College Reading Essentials	5
SCI 0075	Science	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](mailto:infojustice@lethbridgecollege.ca)

Program Coordinator: 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](http://www.lethbridgecollege.ca/programs) and select your program.

## 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 Training ..... p.111

[lethbridgecollege.ca/programs](http://lethbridgecollege.ca/programs)

## 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
		<b>25.5 or 30</b>

(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.

# Computer Information Technology

Program Office: 403.320.3213 • [cit@lethbridgecollege.ca](mailto: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. Failure by the student to accept by way of legal contract and abide by these terms and conditions will result in non-completion of the program.

## 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](http://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
	<b>15</b>

Year 1 Term II	Learning Credits
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
	<b>15</b>

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

Year 2 Term I	Learning Credits
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
	<b>16.5</b>

Year 2 Term II	Learning Credits
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
	<b>18</b>

# 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	1.5
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 22 courses at the U of L. In order to access this program, students MUST complete BUS 2268 at the College. Visit [www.uleth.ca](http://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. For more information, contact the Athabasca University advisor in IB1142 or 403-320-3431. Visit [www.athabascau.ca](http://www.athabascau.ca) for more information.

## 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](http://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. 51

[lethbridgecollege.ca/programs](http://lethbridgecollege.ca/programs)

# Conservation Enforcement - Bachelor of Applied Science

Program Office: 403.382.6991 • [envisci@lethbridgecollege.ca](mailto: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 2.50 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 2.50 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](http://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.

## School of Environmental Sciences

Find out more about other programs offered in this school:

- Ecosystem Management - Bachelor of Applied Science.....p.76
- Environmental Assessment and Restoration.....p.83
- Fish and Wildlife Technology.....p.90
- Natural Resource Compliance.....p.108
- Renewable Resource Management.....p.114

[lethbridgecollege.ca/programs](http://lethbridgecollege.ca/programs)

## 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 2297	Environmental Impact Assessment	3
RRM 2281	Water Quality	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
		<b>15</b>

### 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
		<b>15</b>

## 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.

## GRADUATION

Upon successful completion of all program requirements, students are awarded a Bachelor of Applied Science in Conservation Enforcement degree.

# Correctional Studies

Program Office: 403.329.7246 • [infojustice@lethbridgecollege.ca](mailto: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

On-campus students are accepted into the Correctional Studies diploma program in Fall (September) and Winter (January) terms. 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. Refusal by the student to accept by way of legal contract these terms and conditions will prevent the student from participating in 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 employment prospects. The consequences of a prior criminal conviction will be examined and discussed on an individual basis.

## 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. Alternative arrangements may be made for applicants who plan to continue on for their degree in justice studies.

## YOUR INVESTMENT

Program fees will vary. To view fee information for your program, go to [www.lethbridgecollege.ca/programs](http://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
		<b>16.5</b>
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
		<b>18</b>
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
		<b>18</b>
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
		<b>15</b>

# 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 1158	Creative Problem Solving	3
HUM 1180	Introduction to World Religions (OL)	3
HUM 1190	Popular Culture	3
HUM 1195	Cultural Anthropology	3
IND 2253	Independent Study	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 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.

## 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.

## Mount Royal University

Graduates of the Correctional Studies diploma will receive a block transfer of 18 credits towards a Bachelor of Arts - Criminal Justice degree at MRU.

## Royal Roads University

Graduates of Correctional Studies are eligible to receive block transfer credit into the third year of the Bachelor of Arts in Justice Studies at RRU, provided all entrance criteria for admission to RRU are met and space remains available in the program.

## 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](http://www.griffith.edu.au/credit) for more information.

## School of Justice Studies

Find out more about other programs offered in this school:

- Criminal Justice - Policing .....p.67
- Justice Studies - Bachelor of Applied Arts .....p.103

[lethbridgecollege.ca/programs](http://lethbridgecollege.ca/programs)

# Criminal Justice - Policing

Program Office: 403.329.7246 • [infojustice@lethbridgecollege.ca](mailto: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 40 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.

Several 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 study and also in the Summer (May) term 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.

## 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.

Applicants are advised they will be required to undergo a Criminal Record Check if they intend to enroll in a practicum.

## PRACTICUM EXPERIENCE REQUIREMENTS

There is an elective practicum component to this program. The College dictates the legal terms and conditions governing the practicum experience. Refusal by the student to accept by way of legal contract these terms and conditions will prevent the student from participating in 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 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](http://www.lethbridgecollege.ca/programs) and select your program.

Note: Many courses within the program require computer competency to complete assignments.

Where students lack these skills on entry, enrolment in CPU-1151 Introduction to Computers becomes mandatory.

## CURRICULUM

Year 1 Term I	Learning Credits
CJP 1159 Ethics and Critical Thought	3
CJP 1160 Introduction to the CJ System (OL)	3
COM 1165 Public Safety Communication & Interpersonal Relationships	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	3
	<b>18</b>
Year 1 Term II	
CJP 1157 Preliminary Response and Investigation (OL)	3
CJP 1185 Diverse Populations in Public Safety	3
CJP 1188 Applied English & Investigative Writing	3
LAW 1176 Criminal Offences (OL)	3
SOC 1160 Introduction to Sociology (OL)	3
Approved Elective	3
	<b>18</b>

# Criminal Justice - Policing Continued

Year 2 Term I		
CJP 2281	Conflict Management (OL)	3
CJP 2288	Investigative Techniques	3
CJP 2293	Organizational Awareness in Public Safety	3
COM 2275	Interviewing Methods (OL)	3
LAW 2254	Applied Law (OL)	3
PSY 1160	Introduction to Psychology (OL)	3
		<b>18</b>

## 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	3
Approved Elective		3
		<b>15</b>

## Approved Electives:

CJP 2252	Criminal Justice Practicum (OL)	3
CJP 2280	Intro to Commercial Vehicle Enforcement (OL)	3
COR 2262	Drugs in Corrections (OL)	3
CJP 2294	Specialized Policing	3
CJP 2295	Traffic	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 63 (21 courses) credits towards a Bachelor of Arts - Criminal Justice degree at MRU.

### Royal Roads University

Graduates of the Criminal Justice diploma are eligible to receive block transfer credit into the third year of the Bachelor of Arts in Justice Studies at RRU, provided all entrance criteria for admission to RRU are met and space remains available in the program.

### 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](http://www.griffith.edu.au/credit) for more information.

## School of Justice Studies

Find out more about other programs offered in this school:

- Correctional Studies .....p.65
- Justice Studies - Bachelor of Applied Arts .....p.103

[lethbridgecollege.ca/programs](http://lethbridgecollege.ca/programs)

# Culinary Careers

Program Office: 403.320.3245 • [culinary@lethbridgecollege.ca](mailto:culinary@lethbridgecollege.ca)

Office of the Chair: 403.320.3226

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 new 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. Failure by the student to accept by way of legal contract and abide by these terms and conditions will result in non-completion of the program.

## 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](http://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
	<b>34.5</b>
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
	<b>28.5</b>

# Culinary Careers Continued

## 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 Industrial Training

Find out more about other programs offered in this school:

- Cook Apprenticeship .....p.41

[lethbridgecollege.ca/programs](http://lethbridgecollege.ca/programs)

# Digital Communications and Media

Program Office: 403.320.3267 • [digitalcomm@lethbridgecollege.ca](mailto:digitalcomm@lethbridgecollege.ca)

Office of the Chair: 403.320.3202 Ext. 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. Failure by the student to accept by way of legal contract and abide by these terms and conditions will result in non-completion of the program.

## YOUR INVESTMENT

Program fees will vary. To view fee information for your program, go to [lethbridgecollege.ca/programs](http://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](http://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
	<b>15</b>
Year 1 Term II	
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
	<b>15</b>

# Digital Communications and Media Continued

## 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
	<b>15</b>

### 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
	<b>15</b>

### Year 2 Term III

DCM 2280 Practicum	3
	<b>3</b>

## Digital Journalism Stream

### Year 2 Term I Learning Credits

DCM 2250 News Reporting & Data Journalism I	3
DCM 2251 Feature Coverage I	3
DCM 2252 News Production I	6
DCM 2253 On-Air Presentation I	3
	<b>15</b>

### 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
	<b>15</b>

### Year 2 Term III

DCM 2280 Practicum	3
	<b>3</b>

## GRADUATION

Upon successful completion of the program, students are awarded a diploma in Digital Communications and Media.

## School of Media and Design

Find out more about other programs offered in this school:

- Fashion Design and Sustainable Production .....p.87
- Interior Design Technology.....p.102
- Multimedia Production.....p.107

[lethbridgecollege.ca/programs](http://lethbridgecollege.ca/programs)

# Disability and Community Rehabilitation (Available Online Delivery Only)

Program Office: 403.320.3393 • [humanservices@lethbridgecollege.ca](mailto:humanservices@lethbridgecollege.ca)

Office of the Program Chair: 403.329.7254

Office of the Dean: 403.317.3568

## PROGRAM OVERVIEW

Choose a career that makes a difference! As a disability service professional, you will impact the lives of children, adults, families and communities every day.

Our one-year certificate will prepare you with a value base and the practical skills needed to support people as they fully participate in community living. Our work based practicum courses will ensure you have the skills necessary to support people with developmental disabilities in effective and respectful ways. Your education will be grounded in values that focus on empowerment, self-determination and advocacy.

Prospects for employment careers supporting people who live with a disability are excellent. Career opportunities exist within families, inclusive education settings, community access programs, employment services, residential supports, recreation programs, and many other areas.

Support people where they live, learn, play and work. Become a graduate of the Disability and Community Rehabilitation program and make a difference in the lives of people in your community.

## CAREER OPPORTUNITIES

Lethbridge College's Disability and Community Rehabilitation graduates are highly valued by human service agencies across Western Canada. Career opportunities include:

- Vocational Support Worker
- Employment Training Specialist
- Special Needs Childcare Worker
- Special Education Assistant
- Residential Team Leader
- Community Support Worker
- Recreation Specialist
- Assisted Living Worker
- Behavioural Support Worker
- Therapy Aide
- Rehabilitation Practitioner
- Advocacy and Family Liaison
- Planning Facilitator

## ADMISSIONS

Students are accepted into the Disability and Community Rehabilitation certificate program for the Fall (September), Winter (January), or Summer (May) terms. The entire program is offered through Online Learning. Students can take the program on a full-time or part-time 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.

## PRACTICUM EXPERIENCE REQUIREMENTS

There is a required practicum component to this program. The College dictates the legal terms and conditions governing the practicum experience. Failure by the student to accept by way of legal contract and abide by these terms and conditions will result in non-completion of the program.

Applicants are advised they will be required to provide a current Criminal Record Check before entering the first practicum course of the program. Depending on the placement location, students may also be required to obtain an Alberta Children's Services Intervention Record Check. Students are responsible for the costs associated with these requirements. Failure to present a current Criminal Record Check or other documents may result in a practicum placement being unavailable to the student. The existence of a 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.

## MEDICAL REQUIREMENTS

Applicants are encouraged to review their immunization records and current state of health before beginning the practicum experiences required in the program. Applicants are advised to ensure they possess the physical and mental/emotional attributes needed to perform many of the duties associated with disability services.

## YOUR INVESTMENT

Program fees will vary. To view fee information for your program, go to [www.lethbridgecollege.ca/programs](http://www.lethbridgecollege.ca/programs) and select your program.

## CURRICULUM

Learning Credits

COM 1162	Interpersonal Relationships & Communication (OL)	3
ENG 1150	Composition (OL)	3
OR		
ENG 1190	Intro to Language & Literature	3
HSP 1153	Foundations of Community Inclusion (OL)	3
HSP 1165	Practicum I (OL)	3
RSP 1152	Health Care & Personal Wellness (OL)	3
RSP 1153	Observation and Assessment (OL)	3
OR		
CYC 1169	Observation, Reporting & Assessment	3
RSP 1155	Applied Behaviour Analysis (OL)	3
RSP 1159	Understanding Developmental Disabilities (OL)	3
RSP 1164	Facilitating Inclusion (OL)	3
RSP 1172	Practicum II (OL)	3
		<b>30</b>

(OL) indicates courses available through Online Learning.

Some courses are also available on-campus. Please refer to the online Academic Timetable for course availability.

## GRADUATION

Upon successful completion of all program requirements, students are awarded a certificate in Disability and Community Rehabilitation.

## TRANSFERS

### BC CYC Consortium

Lethbridge College DCR certificate graduates with a B average (3.0 GPA) or higher will receive 30 block transfer credits (15 units in UVIC model) toward a Bachelor of Arts in Child and Youth Care offered at Douglas College, University of Victoria, University of the Fraser Valley, and Vancouver Island University.

# Early Childhood Education

Program Office: 403.320.3393 • [humanservices@lethbridgecollege.ca](mailto: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 Day Homes
- Schools
- Toy Manufacturers
- Parenting Centres
- Public Education Agencies
- Public Libraries
- Recreational Facilities
- Holiday Resorts
- Cruise Lines

## 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. Failure by the student to accept by way of legal contract and abide by these terms and conditions will result in non-completion of the program.

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](http://lethbridgecollege.ca/programs) and select your program.

Students are responsible for the cost of the field trips relating to this program.

# Early Childhood Education Continued

## 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
		<b>19.5</b>

#### 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
		<b>15</b>

### 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
		<b>33</b>

(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

### Lethbridge College

ECE diploma graduates are eligible for admission into the Fast Track Option of the LC Fetal Alcohol Spectrum Disorder Education program.

### 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 the 2nd year of the Bachelor of Applied Child Studies degree at Mount Royal University.

### BC CYC Consortium

Lethbridge College ECE 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.

## School of Human Services

Find out more about other programs offered in this school:

- Child and Youth Care .....p.55
- Disability and Community Rehabilitation .....p.73
- Fetal Alcohol Spectrum Disorder Education .....p.88
- Educational Assistant .....p.78

[lethbridgecollege.ca/programs](http://lethbridgecollege.ca/programs)

# Ecosystem Management - Bachelor of Applied Science (Pending Government Approval)

Program Office: 403.382.6991 • [envisci@lethbridgecollege.ca](mailto: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 is a (two-year post-diploma) partnership with Athabasca University (AU) that 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 sector. 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 at AU. 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](http://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 3381 Environmental Water Quality	3
ENV 3397 Environmental Assessment and Auditing	3
ENVS 361 The Politics of Ecology (AU)	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
	<b>15</b>

## Ecosystem Management - Bachelor of Applied Science Continued

Year 3 Term II			Year 4 Term II		
GEO 2276	Advanced GIS	3	ENV 4451	Senior Project II	3
STS 3355	Inferential Statistics	3	ENV 3350	Integrated Resource Management	3
PHIL 371	Ethics, Science, Technology and the Environment (AU)	3	GEOL 313	Our Physical Resources (AU)	3
Students focusing on the Environmental Management and Restoration concentration will complete the following courses:			Students focusing on the Environmental Management and Restoration concentration will complete the following courses:		
CHM 4455	Analytical Chemistry	3	CHM 4456	Ecotoxicology	3
GEO 3382	Contaminant Hydrogeology	3	RRM 4454	Restoration and Plant Ecology	3
Students focusing on the Fish and Wildlife Management concentration will complete the following courses:			Students focusing on the Fish and Wildlife Management concentration will complete the following courses:		
BIO 3350	Comparative Animal Biology	3	BIO 4462	Mammalogy	3
RRM 4463	Population Ecology and Management	3	GEO 4464	Applied Limnology	3
<b>15</b>			<b>15</b>		
Year 4 Term I					
ENV 3355	Environmental Quality	3			
ENV 4450	Senior Project I	3			
BIOL 325	Introductory Microbiology (AU)	3			
Students focusing on the Environmental Management and Restoration concentration will complete the following courses:					
ENV 4452	Contaminated Site Management	3			
ENV 4453	Stream Reclamation and Rehabilitation	3			
Students focusing on the Fish and Wildlife Management concentration will complete the following courses:					
BIO 4461	Field Ornithology	3			
RRM 4460	Species at Risk Management	3			
<b>15</b>					

## GRADUATION

Upon successful completion of all program requirements, students are awarded a Bachelor of Applied Science in Resource Management and Restoration degree.

**School of Environmental  
Sciences**

Find out more about other programs offered in this school:

- Conservation Enforcement - Bachelor of Applied Sciences..... p.63
- Environmental Assessment and Restoration ..... p.83
- Fish and Wildlife Technology..... p.90
- Natural Resource Compliance ..... p.108
- Renewable Resource Management ..... p.114

[lethbridgecollege.ca/programs](http://lethbridgecollege.ca/programs)

# Educational Assistant (Available Online Delivery Only)

Program Office: 403.320.3393 • [humanservices@lethbridgecollege.ca](mailto: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. Other topics covered include how to work with children who have Fetal Alcohol Spectrum Disorder, 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. Failure by the student to accept by way of legal contract and abide by these terms and conditions will result in non-completion of the program. 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](http://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
OR	
CYC 1157 Foundations of CYC Communications	3
EDU 1153 Foundations of Educational Assistance (OL)	3
EDU 1155 Math Instructional Support (OL)	3
EDU 1156 Language Arts Instructional Support (OL)	3
ENG 1150 Composition (OL)	3
OR	
ENG 1190 Introduction to Language & Literature	3
FAS 1150 Introduction to FASD (OL)	1.5
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
CYC 1169 Observation, Reporting & Assessment	3
OR	
RSP 1153 Observation and Assessment (OL)	3
RSP 1155 Applied Behaviour Analysis (OL)	3
SOC 2273 Multicultural Issues (OL)	3
	<b>34.5</b>

# Educational Assistant Continued

## 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 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
FAS 1155 Support Strategies for FASD (OL)	3
FWK 2260 Field Placement III (OL)	1.5
FWK 2262 Field Placement IV (OL)	1.5
HTH 2250 Health Issues in Education (OL)	3
PSY 2250 Educational Psychology (OL)	3
Elective	3
	<b>34.5</b>

## 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.

CYC 1175 Therapeutic Interventions	3
CYC 2272 Family Violence	3
ECE 2270 Inclusion of Children with Special Needs (OL)	3
ENG 2285 Children's Literature (OL)	3
HSP 2250 Functions of Behaviour in Individuals with ASD (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.

## TRANSFERS

### Athabasca University

Diploma graduates may transfer directly into the third year of the Bachelor of Professional Arts in Human Services at Athabasca University.

### Lethbridge College

Educational Assistant diploma graduates are eligible for admission into the Fast Track Option of the Lethbridge College Fetal Alcohol Spectrum Disorder Education program.

### 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).

## School of Human Services

Find out more about other programs offered in this school:

- Child and Youth Care .....p.55
- Disability and Community Rehabilitation .....p.73
- Early Childhood Education .....p.74
- Fetal Alcohol Spectrum Disorder Education .....p.88

[lethbridgecollege.ca/programs](http://lethbridgecollege.ca/programs)

## 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.

# Engineering Design and Drafting Technology

Program Office: 403.320.3468 • [engineeringtech@lethbridgecollege.ca](mailto: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 over 45 years' experience teaching effective design and drafting skills. Our practical two-year diploma program in Engineering Design and Drafting Technology will give you the solid foundation you will need to build a career in this growing 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. 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. Demand for successful graduates from the program is very high. In the past several years, employment rates have been near 100 percent.

## 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. Refusal by the student to accept by way of legal contract these terms and conditions will prevent the student from participating in 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](http://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](http://www.lethbridgecollege.ca/mobilelearning) for additional information.

## CURRICULUM

Year 1 Term I	Learning Credits
CAD 1155 Introductory AutoCAD	3
CON 1140 Engineering Contracts	3
CPU 1150 Computers in Engineering Technology	1.5
DRF 1153 Introduction to Drafting	3
ENG 1154 Writing for Technologists (OL)	3
MTH 1149 Pre-Calculus (OL)	3
PHY 1143 Applied Physics	3
SUR 1150 Land Survey	3
	<b>22.5</b>
Year 1 Term II	
CAD 1180 CAD Applications	3
CON 1133 Residential Construction	3
DRF 1160 Mechanical Design and Drafting I	3
DRF 1165 Architectural Design & Drafting I	3
ENF 1135 Statics	3
ENF 1155 Properties of Engineering Materials	3
ENF 1161 Fluid Mechanics	3
SUR 1162 Survey Applications	3
	<b>24</b>

# Engineering Design and Drafting Technology

## Continued

### Year 2 Term I

CAD 2258	Advanced CAD	3
DRF 2261	Pressure Vessel Design	3
DRF 2264	Topographical Drafting	3
DRF 2265	Mechanical Design and Drafting II	3
DRF 2268	Architectural Design & Drafting II	3
ENF 1150	Strength of Materials	3
MTH 1160	Calculus I	3
STS 1183	Engineering Statistics & Applied Research Methods	3
		<b>24</b>

### Year 2 Term II

CIV 2263	Steel Design and Detailing	3
CON 2256	Building System Services	3
DRF 2271	Mechanical Design and Drafting III	3
DRF 2272	Municipal Design and Drafting	3
DRF 2273	Architectural Design and Drafting III	3
DRF 2274	Piping Design	3
GEO 2255	Geographical Information Systems I	3
RSR 2251	Applied Research for Engineering	3
		<b>24</b>

### Year 2 Term III (OPTIONAL)

DRF 2244	Practicum	3
----------	-----------	---

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

### GRADUATION

Upon successful completion of all program requirements, students are awarded an Engineering Design and Drafting Technology Diploma.

### 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 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.

#### 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.

#### Montana State University - Bozeman

Graduates of the Engineering Design and Drafting Technology diploma program may be eligible for entry into the second year of the Bachelor of Arts in Environmental Design degree (School of Architecture) at MSU.

### School of Engineering Technologies

Find out more about other programs offered in this school:

- Civil Engineering Technology .....p.57
- Geomatics Engineering Technology .....p.99

[lethbridgecollege.ca/programs](http://lethbridgecollege.ca/programs)

# English as a Second Language

Program Office: 403.320.6444 • [esl@lethbridgecollege.ca](mailto:esl@lethbridgecollege.ca)

Office of the Program Administrator: 403.320.3253

Office of the Dean: 403.317.3597

## PROGRAM OVERVIEW

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](mailto:esl@lethbridgecollege.ca) or [www.englishtoo.ca](http://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, Golf Management, 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](mailto: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](http://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
ENG 1155 Scientific and Technical Writing	3
*GEO 1166 Physical Geology	3
LAW 1150 Introduction to Environmental Law	3
STS 1155 Descriptive Statistics	3
	<b>15</b>
Year 1 Term II	
*BIO 1170 Plant Systematics	3
*BIO 1172 Ecology	3
CHM 1155 Chemistry I	3
LAW 1164 Environmental Legislation	3
*RRM 1197 Spatial Information Techniques	3
	<b>15</b>

# Environmental Assessment and Restoration Continued

## Year 2 Term I

GEO 1165 Geographic Information Systems	3
*ENV 2280 Contaminant Management	3
*RRM 2252 Water Resources	3
*RRM 2253 Soil Resources	3
*RRM 2256 Rangeland Habitat Management	3
	<b>15</b>

## Year 2 Term II

AGR 2266 Soil Fertility	3
CHM 2255 Chemistry II	3
*ENV 2290 Site Restoration & Reclamation	3
*RRM 2264 Forest Management	3
*RRM 2295 Hydrogeology	3
	<b>15</b>

\* 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.

## 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.

### 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 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, 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](http://www.griffith.edu.au/credit) for more information.

## School of Environmental Sciences

Find out more about other programs offered in this school:

- Conservation Enforcement - Bachelor of Applied Sciences .....p.63
- Ecosystem Management - Bachelor of Applied Science .....p.76
- Fish and Wildlife Technology .....p.90
- Natural Resource Compliance .....p.108
- Renewable Resource Management .....p.114

[lethbridgecollege.ca/programs](http://lethbridgecollege.ca/programs)

# Exercise Science

Program Office: 403.382.6991 • [exercisescience@lethbridgecollege.ca](mailto:exercisescience@lethbridgecollege.ca)

Office of the Chair: 403.382.6998

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. Failure by the student to accept by way of legal contract and abide by these terms and conditions will result in non-completion of the program. 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 II 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](http://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 1160 Anatomy & Physiology I (OL)	3
ENG 1156 Business Writing (OL)	3
PED 1159 Exercise and Healthful Living	3
PED 1160 Weight Training & Exercise	1.5
PSY 1160 Introduction to Psychology (OL)	3
	<b>13.5</b>
Year 1 Term II	
BIO 1155 Human Nutrition	3
BIO 1161 Anatomy & Physiology II (OL)	3
PED 1188 Fitness Leadership	3
PED 2260 Biomechanics & Applied Kinesiology	3
PED 1158 Practicum I	1.5
Elective	3
	<b>16.5</b>

# Exercise Science Continued

## Year 2 Term I

COM 1162	Interpersonal Relationships & Communication (OL)	3
PED 2256	Athletic Injuries and Rehabilitation	3
PED 2262	Exercise Physiology	3
PED 2267	Fitness Assessment	3
Elective		3

**15**

## Year 2 Term II

BUS 1124	Service-Based Small Business Management	3
PED 2252	Research Methods in Physical Education	3
PED 2259	Exercise Program Design	3
PED 2271	Advanced Conditioning	3
PED 2258	Practicum II	3
Elective		3

**18**

## Electives

Students may select from the following electives, with choices dependant 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
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).

## School of Agriculture & Life Sciences

Find out more about other programs offered in this school:

- Agriculture Sciences .....p.38
- General Studies - Physical Education and Leadership major .....p.95

[lethbridgecollege.ca/programs](http://lethbridgecollege.ca/programs)

# Fashion Design and Sustainable Production

Program Office: 403.320.3267 • [fashion@lethbridgecollege.ca](mailto:fashion@lethbridgecollege.ca)

Office of the Chair: 403.320.3202 Ext. 5362

Office of the Dean: 403.320.3318

## 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. Refusal by the student to accept by way of legal contract these terms and conditions will prevent the student from participating in the practicum experience.

## YOUR INVESTMENT

Program fees will vary. To view fee information for your program, go to [lethbridgecollege.ca/programs](http://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 1153 Apparel Industry	1.5
FSP 1170 Introduction to Industrial Sewing & Drafting	6
	<b>15</b>

## Year 1 Term II

FSP 1155 Global Textile Applications	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
	<b>15</b>

## 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 2254 Logistics and Sourcing	1.5
FSP 2255 Manufacturing and Production	1.5
FSP 2256 Textile Design and Product Knowledge	1.5
	<b>15</b>

## Year 2 Term II

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
	<b>15</b>

## 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.

## GRADUATION

Upon successful completion of the program, students are awarded a diploma in Fashion Design and Sustainable Production.

# Fetal Alcohol Spectrum Disorder Education (Available Online Delivery Only)

Program Office: 403.320.3393 • [humanservices@lethbridgecollege.ca](mailto:humanservices@lethbridgecollege.ca)

Office of the Chair: 403.329.7254

Office of the Dean: 403.317.3568

## PROGRAM OVERVIEW

There is a growing demand for support workers and caregivers who have the knowledge and skills to support children, adults and families living with Fetal Alcohol Spectrum Disorder (FASD). This certificate is designed for current professionals and those aspiring towards a career in education, health care, disability services, criminal justice and other human service areas where services to individuals who were exposed prenatally to alcohol are provided.

Course work includes topics on prevention, intervention strategies, diagnosis, behaviour associated with FASD, functional assessment, family support, cultural diversity, and case management. Understanding how this unique collective of brain-based developmental impairments impact a person throughout their life is a primary focus of the curriculum. During the practicum courses, you will transfer skills and knowledge about FASD into practical and meaningful ways to support individuals, families and communities. The practical learning experiences can be completed in most Canadian communities and are supported through seminars and regular instructor contact.

Make a difference in your community by choosing a career supporting individuals living with FASD.

## CAREER OPPORTUNITIES

Graduates of our Fetal Alcohol Spectrum Disorder Education program are highly valued for their specialized knowledge and skills. Some of the career connections that have been made by our graduates include:

- Addictions Support Worker
- Special Education Assistant
- Employment Support Worker
- Mental Health Advocate
- Residential Support Worker
- Foster Care Liaison
- Child and Youth Care Worker
- Family Services and Supports

## ADMISSIONS

Students are accepted into the Fetal Alcohol Spectrum Disorder Education program for the Fall (September), Winter (January), or Summer (May) terms. The entire program is offered through Online Learning. Students can take the program on a full-time or part-time 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.

## FAST TRACK OPTION

Applicants with a completed degree/diploma from an accredited post-secondary institution can be accepted into the Fetal Alcohol Spectrum Disorder Education's Fast Track Option. A degree/diploma in Child and Youth Care, Early Childhood Education, Criminal Justice, Social Work, Disability and Community Rehabilitation, Special Needs Education Assistant, Nursing, Psychology or Education will be considered for this Fast Track Option. Applicants seeking this option are strongly encouraged to contact the program prior to application.

## PRACTICUM EXPERIENCE REQUIREMENTS

There is a required practicum component to this program. The College dictates the legal terms and conditions governing the practicum experience. Failure by the student to accept by way of legal contract and abide by these terms and conditions will result in non-completion of the program.

Applicants are advised they will be required to provide a current Criminal Record Check before entering the first practicum course of the program. Depending on the placement location, students may also be required to obtain an Alberta Children's Services Intervention Record Check. Students are responsible for the costs associated with these requirements. Failure to present a current Criminal Record Check or other documents may result in a practicum placement being unavailable to the student.

The existence of a 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.

## YOUR INVESTMENT

Program fees will vary. To view the fee information for your program, go to [lethbridgecollege.ca/programs](http://lethbridgecollege.ca/programs) and select your program.

## CURRICULUM

	Learning Credits
COM 1162 Interpersonal Relationships & Communication (OL)	3
ENG 1150 Composition (OL)	3
OR	
ENG 1190 Introduction to Language & Literature	3
FAS 1152 Brain Function & FASD (OL)	3
FAS 1153 Community Systems & FASD (OL)	3
FAS 1155 Support Strategies for FASD (OL)	3
HSP 1153 Foundations of Community Inclusion (OL)	3
HSP 1165 Practicum I (OL)	3
FAS 1172 Practicum II (OL)	3
RSP 1153 Observation & Assessment (OL)	3
OR	
CYC 1169 Observation, Reporting & Assessment	3
RSP 1155 Applied Behaviour Analysis (OL)	3
	<b>30</b>

# Fetal Alcohol Spectrum Disorder Education

## Continued

### FAST TRACK OPTION

The following courses are required for students accepted into the Fast Track Option.

FAS 1152	Brain Function & FASD (OL)	3
FAS 1153	Community Systems & FASD (OL)	3
FAS 1155	Support Strategies for FASD (OL)	3
FAS 1172	Practicum II (OL)	3
HSP 1153	Foundations of Community Inclusion (OL)	3

(OL) indicates courses available through Online Learning. Some courses are also available on-campus. Please refer to the online academic timetable for course availability.

### GRADUATION

Upon completion of all program requirements, students are awarded a certificate in Fetal Alcohol Spectrum Disorder Education.

### School of Human Services

Find out more about other programs offered in this school:

- Child and Youth Care .....p.55
- Disability and Community Rehabilitation .....p.73
- Early Childhood Education .....p.74
- Educational Assistant .....p.78

[lethbridgecollege.ca/programs](http://lethbridgecollege.ca/programs)

# Fish and Wildlife Technology

Program Office: 403.382.6991 • [envisci@lethbridgecollege.ca](mailto:envisci@lethbridgecollege.ca)

Office of the Chair: 403.320.3232

Office of the Dean: 403.317.3597

## PROGRAM OVERVIEW

Our intensive one-year post-diploma certificate program in Fish and Wildlife Technology will give you the skills you'll need to build a career as a technician in wildlife, fisheries and natural resource fields.

We'll complement your degree or diploma in Renewable Resource Management or Environmental Science with an emphasis on the practical application of physical and biological sciences. You'll learn how technicians apply scientific knowledge in the field. We'll show you how to use state-of-the-art software and technology including Geographic Information Systems (GIS) applications in wildlife habitat management, Global Positioning System (GPS) equipment in animal tracking, and the latest habitat modeling software. You will be confident in using journals for research. You will learn to professionally present scientific reports using the field data you collect.

You'll spend time in the field, demonstrating that you can apply classroom theory in practice. You will gain valuable experience working on projects for real organizations and agencies. You can also pursue your own interests and take advantage of regular opportunities to join real-world projects run by the provincial and federal government, NGO's and private industry.

By the end of the program, you'll have practical experience in capturing, handling and radio tracking of fish, waterfowl and wildlife as well as various habitat measurement, assessment and monitoring skills – all through quality course work and valuable field experience. This program will enhance your environmental diploma and/or degree, increasing your marketability. You'll realize that it has given you an exciting career.

## CAREER OPPORTUNITIES

Our post-diploma certificate program will prepare you for a wide range of career opportunities, including employment as:

- Wildlife Technician
- Fisheries Technician
- Habitat Specialist
- Aquaculture Technician
- Resource Specialist
- Vegetation Specialist
- Associate Biologist
- Assistant Biologist
- Habitat Technician

## ADMISSIONS

Students may be accepted into the Fish and Wildlife Technology program in both 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 are required to have a Renewable Resource Management Diploma or equivalent or a related bachelor's degree in an area such as Resource Management, Biology, Environmental Studies or similar area of study.

Students from other institutions should have background in ecology, wildlife management, fishery management, map and aerial photo interpretation, geology, botany, zoology and statistics. Applicants are required to have completed the academic requirements with a minimum GPA of 2.50 or equivalent or permission of the Fish and Wildlife Technology Chair.

Employers often require students hold a valid Standard First Aid or Wilderness First Aid Certificate and / or 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 [www.lethbridgecollege.ca/programs](http://www.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 trips 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.

Fieldwork schedules are dependent on many variables and may require students to participate on weekends. All program field trips require mandatory attendance.

## 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.

# Fish and Wildlife Technology Continued

Year I Term I	Learning Credits
ENV 3350 Integrated Resource Management	3
ENV 3370 Research & Experimental Design	3
*RRM 3368 Wildlife Conservation	3
*RRM 3369 Fisheries Management Techniques	3
*RRM 3389 Fish Habitat Management	3
*RRM 3386 Wildlife Habitat Management	3
	<b>18</b>
Year I Term II	
BIO 3350 Comparative Animal Biology	3
*ENV 2297 Environmental Impact Assessment	3
ENV 3355 Environmental Quality	3
*RRM 3378 Waterfowl Biology and Management	3
RRM 3379 Fish Culture	3
GEO 2276 Advanced Geographic Information Systems	3
	<b>18</b>

\* Indicates Field Trips

Special note about field trips: Students are off-campus completing field courses during most of September and April. In the Fall term, field trips are in September, while in the Winter term, field trips are scheduled in April.

## GRADUATION

Upon successful completion of all program requirements, students are awarded a Certificate of Specialization in Fish and Wildlife Technology.

## 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.

### University of Lethbridge

Graduates of the Fish and Wildlife Technology post-diploma certificate receive credit for an additional five courses toward the Bachelor of Science in Environmental Science from the University of Lethbridge. Completion of the certificate reduces the post-diploma degree requirement from 20 courses to 15.

### University of Northern British Columbia

Graduates of the Renewable Resource Management Diploma may receive up to 1.5 years credit toward a Bachelor of Science in Natural Resource Management from the University of Northern British Columbia. Credit depends on academic performance, course selection and approval of course equivalencies by the program leader of Forestry for degree specializations (Forestry, Fisheries, Wildlife and Outdoor Recreation). Students that obtain the Fish and Wildlife Technology post-diploma certificate are eligible for extra credit.

### Griffith University, Australia

Fish and Wildlife Technology graduates may enter into the fifth 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/](http://www.griffith.edu.au/) credit for more information.

## School of Environmental Sciences

Find out more about other programs offered in this school:

- Conservation Enforcement - Bachelor of Applied Sciences .....p.63
- Ecosystem Management - Bachelor of Applied Science .....p.76
- Environmental Assessment and Restoration .....p.83
- Natural Resource Compliance .....p.108
- Renewable Resource Management .....p.114

[lethbridgecollege.ca/programs](http://lethbridgecollege.ca/programs)

# General Studies

Program Office: 403.394.7338 • [generalstudies@lethbridgecollege.ca](mailto:generalstudies@lethbridgecollege.ca)

Office of the Chair, School of Liberal Arts: 403.382.6924 • Office of the Chair, School of Agriculture & Life Sciences: 403.382.6998

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](http://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 School of Agriculture & 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 1161	Judo Level I	1.5
PED 1162	Intro to Leisure Activities & Sports	1.5
PED 1170	Volleyball	1.5
PED 1172	Latin/Hip Hop/Swing Dance	1.5
PED 1173	Basketball	1.5
PED 1174	Soccer	1.5
PED 1175	Baseball	1.5
PED 1180	Introduction to Coaching	3
PED 1185	Kickboxing & Fitness	1.5
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
PRS 1155	Speech (OL)	3

# General Studies Continued

## Social Sciences:

HIS 1170	Western Civilization (OL)	3
HIS 2265	Canadian History	3
HIS 2270	American History	3
PSC 1150	Local Government	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 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

## 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
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	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	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 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
		<b>15</b>

### 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
		<b>15</b>

# General Studies Continued

## 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
<b>15</b>	

## Year 2 Term II

PSC 2250 Parties and Elections	3
PSC 2260 International Relations	3
HUM 1190 Popular Culture	3
Approved Elective	3
Approved Elective	3
<b>15</b>	

## 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
<b>15</b>	

## 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	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
<b>15</b>	

## 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
<b>15</b>	

## 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
<b>15</b>	

## 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
<b>15</b>	

### 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
<b>15</b>	

### 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
<b>15</b>	

# General Studies Continued

Year 2 Term II			Year 2 Term II			Year 2 Term II		
ENG 2285	Children's Literature (OL)	3	PSY 2260	Abnormal Psychology (OL)	3	PED 2272	Leadership in Physical Education	3
ENG 2260	Introduction to Dramatic Literature	3	STS 2270	Social Science Research Methods	3	PED 2276	Weight Training & Exercise II	1.5
HUM 2291	Film Studies	3	SOC 2260	Social Problems	3	SOC 2250	Sociology of Sports	3
Approved Elective		3	Approved Elective		3	Physical Activity Elective		1.5
Approved Elective		3	Approved Elective		3	Approved Elective		3
		<b>15</b>			<b>15</b>	Approved Elective		3
								<b>15</b>
<b>PSYCHOLOGY AND SOCIOLOGY MAJOR</b>			<b>PHYSICAL EDUCATION AND LEADERSHIP MAJOR</b>			General Studies - Physical Education and Leadership Major Physical Activity Electives		
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.			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.			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.		
Psychology and Sociology Curriculum (60 Credits)			Physical Education and Leadership Curriculum (60 Credits)			PED 1161 Judo Level I		
Year 1 Term I Learning Credits			Year 1 Term I Learning Credits			PED 1162 Introduction to Leisure Activities & Sports		
ENG 1150	Composition (OL)	3	BIO 1151	Environmental Issues (OL)	3	PED 1170	Volleyball	1.5
PSC 1161	Introduction to Politics (OL)	3	PSC 1161	Introduction to Politics (OL)	3	PED 1172	Latin/Hip Hop/Swing Dance	1.5
PSY 1160	Introduction to Psychology (OL)	3	PSY 1160	Introduction to Psychology (OL)	3	PED 1173	Basketball	1.5
SOC 1167	Sociology of Aging (OL)	3	PED 1159	Exercise and Healthful Living	3	PED 1185	Kickboxing and Fitness	1.5
PSY 1170	Human Development (OL)	3	PED 1160	Weight Training and Exercise	1.5			
		<b>15</b>	Physical Activity Elective		1.5			
					<b>15</b>			
Year 1 Term II			Year 1 Term II					
BIO 1151	Environmental Issues (OL)	3	ENG 1150	Composition (OL)	3			
HIS 1170	Western Civilization (OL)	3	HIS 1170	Western Civilization (OL)	3			
PSY 2280	Social Psychology	3	SOC 1160	Introduction to Sociology (OL)	3			
SOC 1160	Introduction to Sociology (OL)	3	BIO 1156	Wellness and Health Issues	3			
SOC 2276	Sexuality	3	PED 1180	Introduction to Coaching	3			
		<b>15</b>			<b>15</b>			
Year 2 Term I			Year 2 Term I					
BIO 1151	Environmental Issues (OL)	3	BIO 1155	Human Nutrition	3			
HIS 1170	Western Civilization (OL)	3	PED 1155	Applied Anatomy and Kinesiology	3			
PSY 2280	Social Psychology	3	PSY 2255	Psychology of Sports	3			
SOC 1160	Introduction to Sociology (OL)	3	Approved Elective		3			
SOC 2276	Sexuality	3	Approved Elective		3			
		<b>15</b>			<b>15</b>			
Year 2 Term II								
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						
		<b>15</b>						

# General Studies Continued

General Studies - Liberal Arts Majors Approved Electives			PSC 1150	Local Government	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.		
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	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			

## 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

Find out more about other programs offered in this school:

• General Studies, FMNI Career  
Pathways.....p.97

[lethbridgecollege.ca/programs](http://lethbridgecollege.ca/programs)

# General Studies - FNMI Career Pathways

Program Office: 403.394.7338 • [fnmi@lethbridgecollege.ca](mailto: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: Business Administration, Child and Youth Care, Computer Information Technology, Early Childhood Education, General Studies (University Transfer), Digital Communications and Media, Multimedia Production, Natural Resource Compliance, Criminal Justice Policing and Correctional Studies, and a General Interest stream.

The curriculum is designed to assist students to further develop their writing, math, 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, math, college success, 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.

Students interested in the Natural Resource Compliance diploma are also required to have successfully completed Math 30-2 or higher and Grade 11 Biology.

## YOUR INVESTMENT

Program fees will vary. To view fee information for your program, go to [www.lethbridgecollege.ca/programs](http://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
PSY1140	Psychology and Life	3
		<b>12</b>

### Year 1 Term II Learning Credits

Business Administration		
BUS1170	Introduction to Management	3
BUS1177	Entrepreneurship	3
ENG1168	Business Communication	3
MKT1188	Introduction to Marketing	3
		<b>12</b>

Child and Youth Care		
CYC1194	Activity Leadership	3
ENG1150	Composition (OL)	3
HSP1151	Family Systems and Development (OL)	3
PSY1170	Human Development Across the Lifespan (OL)	3
		<b>12</b>

Computer Information Technology		
BUS1170	Introduction to Management	3
CIT1152	Computer Hardware Maintenance	3
CIT1163	Database Management Systems	3
MKT1188	Introduction to Marketing	3
		<b>12</b>

Early Childhood Education		
COM1162	Interpersonal Relationships and Communications (OL)	3
ECE1151	Health, Safety, and Nutrition (OL)	3
ENG1150	Composition (OL)	3
PSY1170	Human Development Across the Lifespan (OL)	3
		<b>12</b>

General Studies (University Transfer)		
ENG1150	Composition (OL)	3
NAT1155	Introduction to Native American Studies	3
PSY1160	Introduction to Psychology (OL)	3
SOC1160	Introduction to Sociology (OL)	3
		<b>12</b>

# General Studies - FNMI Career Pathways Continued

Digital Communications and Media	
CAP 1158 Communication Process	3
DCM 1154 Public Relations	3
DCM 1157 Advertising and Marketing for Media	3
DCM 1159 Media Law and Ethics	3
	<b>12</b>

Multimedia Production	
CAP 1158 Communication Process OR	3
COM 1162 Interpersonal Relationships and Communication (OL)	3
CMM 1185 The Principles of Animation	3
DES 1156 Web Graphics, Layout and Interface Design	3
WRI 1150 Writing for Interactive Media	3
	<b>12</b>

Natural Resource Compliance	
BIO 2269 Aquatic Ecology	3
ENV 2265 Parks & Recreation Operations	3
LAW 1161 Intro to Natural Resource Law	3
RRM 1196 Map/Aerial Photo Interpretation	3
	<b>12</b>

Criminal Justice Policing/Correctional Studies	
CJP 1159 Ethics and Critical Thought	3
CJP 1160 Introduction to the Criminal Justice System (OL)	3
CJP 1185 Diverse Populations in Public Safety	3
SOC 1160 Introduction to Sociology (OL)	3
	<b>12</b>

## 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

Find out more about other programs offered in this school:

• General Studies .....p.92

[lethbridgecollege.ca/programs](http://lethbridgecollege.ca/programs)

# Geomatics Engineering Technology

Program Office: 403.320.3468 • [engineeringtech@lethbridgecollege.ca](mailto: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 diploma in Geomatics Engineering Technology will prepare you to be a part of this rapidly growing field – with high-demand jobs in areas ranging from surveying and land management to construction and the oil/gas industry.

At Lethbridge College, you'll work in small classes taught by award-winning industry experts. Using hands-on exercises, we will introduce you to surveying, mapping and data collection techniques. You learn how to interpret aerial and satellite photographs using industry-standard remote sensing software. You'll also do fieldwork using survey-grade GNSS equipment and become an expert in the use of leading-edge GIS software applications like ArcView.

We'll make certain you have plenty of opportunity to demonstrate your abilities in the field. You'll work 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.

With your diploma in Geomatics Engineering Technology, you can take your valuable combination of technical knowledge, interpretative skills and hands-on experience into the workplace. Or you can choose to continue your studies by transferring into the University of Lethbridge's degree in Geographical Information Science.

## CAREER OPPORTUNITIES

Demand for graduates of our diploma program in Geomatics Engineering Technology is very strong, and the employment rate has been near 100 percent. Geomatics practitioners are employed in a wide range of areas, including:

- Survey engineering companies
- Civil engineering companies
- Environmental consultancies
- Natural resource companies
- All levels of government
- Law enforcement agencies
- Agricultural companies
- Aerospace companies
- Defence contractors
- Military organizations

## 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. Refusal by the student to accept by way of legal contract these terms and conditions will prevent the student from participating in 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](http://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](http://www.lethbridgecollege.ca/mobilelearning) for additional information.

## CURRICULUM

Year 1 Term I	Learning Credits
CAD 1155 Introductory AutoCAD	3
CON 1140 Engineering Contracts	3
CPU 1150 Computers in Engineering Technology	1.5
DRF 1153 Introduction to Drafting	3
ENG 1154 Writing for Technologists (OL)	3
MTH 1149 Pre-Calculus (OL)	3
PHY 1143 Applied Physics	3
SUR 1150 Land Survey	3
	<b>22.5</b>
Year 1 Term II	
CAD 2258 Advanced CAD	3
CON 1155 Managing the Construction Process	3
CPU 2255 Introduction to Programming	3
GEO 1150 Geographical Science	3
GEO 1160 Map Interpretation	3
GEO 1170 Remote Sensing	3
GEO 1182 Geodesy	3
MTH 1160 Calculus I	3
SUR 1162 Survey Applications	3
	<b>27</b>
Year 1 Term III (OPTIONAL)	
MTH 1165 Calculus II	3

# Geomatics Engineering Technology

## Continued

### Year 2 Term I

GEO 2253	Land Planning	3
GEO 2255	Geographical Information Systems I	3
GEO 2260	Cartography	3
STS 1183	Engineering Statistics & Applied Research Methods	3
SUR 2251	Advanced Survey I	3
SUR 2263	Survey Calculations & Analysis	3
SUR 2264	Land Survey Systems	3
SUR 2275	Global Positioning Systems	3
		<b>24</b>

### Year 2 Term II

CPU 2275	Advanced Programming	3
GEO 2280	Advanced Geographical Information Systems	3
GEO 2290	Advanced Digital Remote Sensing	3
RSR 2251	Applied Research for Engineering	3
SUR 2252	Field Safety	1.5
SUR 2261	Advanced Survey II	3
SUR 2265	Survey Drafting	3
SUR 2270	Engineering Surveys	3
		<b>22.5</b>

### Year 2 Term III (OPTIONAL)

FWK 2252	Work Experience	3
----------	-----------------	---

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

### GRADUATION

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

### 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.

#### 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 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.

#### University of Alberta

Geomatics 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.

### School of Engineering Technologies

Find out more about other programs offered in this school:

- Civil Engineering Technology .....p.57
- Engineering Design and Drafting Technology .....p.80

[lethbridgecollege.ca/programs](http://lethbridgecollege.ca/programs)

# Health Care Aide

Program Office: 403.320.3202 Ext. 5777 • [healthcareaide@lethbridgecollege.ca](mailto: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

Important Note: Admission requirements for the 2016-2017 academic year are currently under review. Please monitor Lethbridge College's website for updates to program admission requirements.

## PRACTICUM EXPERIENCE REQUIREMENTS

There is a required practicum component to this program.

The College dictates the legal terms and conditions governing the practicum experience. Failure by the student to accept by way of legal contract and abide by these terms and conditions will result in non-completion of the program.

Students must meet and maintain certain requirements to participate in the practice setting as determined by practice agencies and/or legislated by government bodies. These include certain health immunizations, police information check, current CPR certification, OH&S requirements (e.g. Fire Safety, WHMIS, Mask Fit-testing, etc.), and other agency/site specific requirements (e.g. back care, IV management, privacy/confidentiality, etc.). There are also immunizations and health screening tests that are strongly recommended. Situations often arise when recommendations become requirements (e.g. declared outbreaks, host agency protocols, etc.).

Practicum sites will include Lethbridge and may include surrounding rural communities. Practicums may include days, evening and/or weekend schedules. Students may 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](http://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
		<b>19.5</b>

## Year 1 Term II

HCA 1111	Practicum II	1.5
		<b>1.5</b>

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:

- Medical Device Reprocessing .....p.106
- Unit Clerk Training.....p.118

[lethbridgecollege.ca/programs](http://lethbridgecollege.ca/programs)

# Interior Design Technology

Interior Design Technology Program Office: 403.320.3267 • [interiordesign@lethbridgecollege.ca](mailto:interiordesign@lethbridgecollege.ca)

Office of the Chair: 403.320.3202 Ext. 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 retail and office to restaurant 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.

- Assistant to Interior Designers and Architects
- Product Representative
- Kitchen & Bath Design
- Commercial Design
- Design Consultant
- Residential Design

## 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)

In addition to academic requirements, students need to submit a portfolio of creative work, both visual/graphic and written work. A description and details of the required portfolio projects will be mailed to applicants who meet the basic academic requirements for application.

## PRACTICUM EXPERIENCE REQUIREMENTS

There is a required practicum component to this program. The College dictates the legal terms and conditions governing the practicum experience. Failure by the student to accept by way of legal contract and abide by these terms and conditions will result in non-completion of the program.

## YOUR INVESTMENT

Program fees will vary. To view fee information for your program, go to [www.lethbridgecollege.ca/programs](http://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](http://www.lethbridgecollege.ca/mobilelearning) for additional information.

## CURRICULUM

### Year 1 Term I Learning Credits

IDM 1150	History of Interiors	3
IDM 1155	Introduction to Interior Design	3
IDM 1158	Representations I	3
IDM 1179	Design Fundamentals	3
IDM 2255	Materials and Finishes	3
IDM 1170	Colour, Materials and Lighting	3
		<b>18</b>

### Year 1 Term II

ENG 1156	Business Writing (OL)	3
IDM 1159	Representations II	3
IDM 1167	Interior Detailing I	3
IDM 1181	Design Studio I	3
IDM 1190	E-Tools for Interior Design I	3
		<b>15</b>

### Year 2 Term I

IDM 2267	Interior Detailing II	3
IDM 2285	Design Studio II	6
IDM 2290	E-Tools for Interior Design II	3
		<b>12</b>

### Year 2 Term II

IDM 2286	Design Studio III	6
IDM 2287	Design Studio IV	6
IDM 2270	Practicum	3
IDM 2271	Portfolio	3
		<b>18</b>

(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.

## School of Media and Design

Find out more about other programs offered in this school:

- Digital Communications and Media.....p.74
- Fashion Design and Sustainable Production .....p.89
- Multimedia Production.....p.108

# Justice Studies - Bachelor of Applied Arts

Program Office: 403.329.7246 • [infojustice@lethbridgecollege.ca](mailto: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 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](http://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
	<b>15</b>

Year 3 Term II

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
	<b>16.5</b>

LIST A ELECTIVES (Populations)  
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 2260 Abnormal Psychology (OL)	3
PSY 2277 Addictions Treatment	3
SOC 2260 Social Problems	3

LIST B ELECTIVES (Operational Systems)  
Select two of the following courses:

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 300 or 3000 level may be used. Students should consult the Program Chair to discuss elective options for List B.

# Justice Studies - Bachelor of Applied Arts Continued

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
		<b>15</b>

## 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
		<b>15</b>

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

BAAJS graduates are eligible for acceptance into the Masters Degree in Integrated Studies through Athabasca University, MAs in Conflict Analysis and Management or Leadership at Royal Roads University, Master of Criminology and Criminal Justice at Griffith University, Australia, and MSc in Criminal Justice at Minot State University.

## School of Justice Studies

Find out more about other programs offered in this school:

- Correctional Studies .....p.65
- Criminal Justice - Policing .....p.67

[lethbridgecollege.ca/programs](http://lethbridgecollege.ca/programs)

# Massage Therapy

Program Office: 403.320.3202 Ext. 3211 • [massagetherapy@lethbridgecollege.ca](mailto: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 holistic 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:

- Sports Medicine Clinics
- Long-Term Care Facilities
- Private Health-Care Providers
- Massage 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.

## PRACTICUM EXPERIENCE REQUIREMENTS

There is a required practicum component to this program. The College dictates the legal terms and conditions governing the practicum experience. Failure by the student to accept by way of legal contract and abide by these terms and conditions will result in non-completion of the program.

Students must meet and maintain certain requirements to participate in the practice setting as determined by practice agencies and/or legislated by government bodies. These include certain health immunizations, police information check, current CPR certification, OH&S requirements (e.g. Fire Safety, WHMIS, Mask Fit-testing, etc.), and other agency/site specific requirements (e.g. back care, IV management, privacy/confidentiality, etc.). There are also immunizations and health screening tests that are strongly recommended. Situations often arise when recommendations become requirements (e.g. declared outbreaks, host agency protocols, etc.).

Practicum sites will include Lethbridge and may include surrounding rural communities and may consist of days, evenings, 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](http://lethbridgecollege.ca/programs) and select your program.

Other supplies such as linens and oils will be specified and students are responsible for obtaining them. Students are responsible for laundering their own linens frequently. Students will purchase a Lethbridge College Massage Therapy Shirt (\$30). The shirts are worn during clinical and outreach activities. Students may find it useful to rent or purchase a massage table. Approximate purchase cost is \$600.

As part of the program course requirements, students are expected to book a massage with a registered massage therapist. This can cost anywhere from \$40 - \$100. Please take this into account when budgeting for the program.

## CURRICULUM

Year 1 Term I	Learning Credits
BIO 1145 Introduction to Anatomy & Physiology	3
CSP 1150 Medical Terminology (OL)	3
ENG 1156 Business Writing (OL)	3
MAS 1140 Basic Massage	3
MAS 1122 Practicum I	1.5
	<b>13.5</b>

Year 1 Term II	Learning Credits
ACC 1125 Service-Based Accounting Procedures	1.5
BIO 1146 Joints and Soft Tissues	3
MAS 1123 Practicum II	1.5
MAS 1130 Pathology	3
MAS 1156 Sports Massage	3
MAS 1157 Massage Techniques I	3
	<b>15</b>

Year 2 Term I	Learning Credits
MAS 2250 Advanced Massage	3
MAS 2252 Contemporary Practices of 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
	<b>18</b>

Year 2 Term II	Learning Credits
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
	<b>16.5</b>

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

## GRADUATION

Upon successful completion of all program requirements, students are awarded a Massage Therapy diploma.

## 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.

# Medical Device Reprocessing

Program Office: 403.320.3202 Ext. 5777 • [csp@lethbridgecollege.ca](mailto: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 24-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
- Doctors' Practices
- 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.

## PRACTICUM EXPERIENCE REQUIREMENTS

There is a required practicum component to this program. The College dictates the legal terms and conditions governing the practicum experience. Failure by the student to accept by way of legal contract and abide by these terms and conditions will result in non-completion of the program. Students must meet and maintain certain requirements to participate in the practice setting as determined by practice agencies and/or legislated by government bodies. These include certain health immunizations, police information check, current CPR certification, OH&S requirements (e.g., Fire Safety, WHMIS, Mask Fit-testing, etc.), and other agency/site specific requirements (e.g. back care, IV management, privacy/confidentiality, etc.). There are also immunizations and health screening tests that are strongly recommended. Situations often arise when recommendations become requirements (e.g. declared outbreaks, host agency protocols, etc.).

Practicum sites will include Lethbridge and may include surrounding rural communities. Practicums may include days, evenings 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](http://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
	<b>19.5</b>
Year I Term II	
CSP 1140 MDR Practicum (320 hours)	6
	<b>6</b>

(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 and CSP-1160 are offered as blended courses, a combination of Online Learning and several on-campus lab experiences to support skill development. Attendance is recommended and/or required.
2. CSP-1140 is an 8-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:

- Health Care Aide .....p.101
- Unit Clerk Training.....p.118

[lethbridgecollege.ca/programs](http://lethbridgecollege.ca/programs)

# Multimedia Production

Program Office: 403.320.3267 • [multimedia@lethbridgecollege.ca](mailto:multimedia@lethbridgecollege.ca)

Office of the Chair: 403.320.3202 Ext. 5362

Office of the Dean: 403.320.3318

## 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 internship.

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:

- Web Designers and Programmers
- Video Producers and Animators
- e-Learning Technologies
- Entrepreneurship

## 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. Failure by the student to accept by way of legal contract and abide by these terms and conditions will result in non-completion of the program.

## YOUR INVESTMENT

Program fees will vary. To view fee information for your program, go to [lethbridgecollege.ca/programs](http://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](http://www.lethbridgecollege.ca/mobilelearning) for additional information.

## CURRICULUM

(May be offered in a different sequence)

Year 1 Term I		
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
		<b>15</b>

## 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 OR	3
COM 1162	Interpersonal Relationships and Communication (OL)	3
		<b>15</b>

## 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
		<b>15</b>

## 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
		<b>15</b>

## GRADUATION

Upon successful completion of all program requirements, students are awarded a Multimedia Production diploma.

## TRANSFERS

### University of Calgary

Graduates of the Multimedia Production diploma may receive up to five full course equivalents (one year) credit toward the completion of a 20-credit Bachelor of Arts in Communication Studies from the University of Calgary.

### 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.

# Natural Resource Compliance

Program Office: 403.382.6991 • [envisci@lethbridgecollege.ca](mailto: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.

## 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](http://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 1163	Terrestrial Ecology	3
*BIO 1164	Plant Taxonomy	3
ENG 1155	Scientific and Technical Writing	3
*GEO 1156	Earth Sciences	3
STS 2255	Statistical Methods	3
		<b>15</b>

### Year 1 Term II

*BIO 1168	Zoology	3
*BIO 2269	Aquatic Ecology	3
*ENV 2265	Parks and Recreation Operations	3
LAW 1161	Introduction to Natural Resource Law	3
*RRM 1196	Map and Aerial Photo Interpretation	3
		<b>15</b>

### Year 2 Term I

*CJP 2269	Patrol Procedures	3
LAW 2264	Courtroom Procedures	3
RRM 2250	Grassland and Forest Resources	3
*RRM 2258	Principles of Wildlife Biology	3
RRM 2299	Fire Management	3
		<b>15</b>

### 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 2259	Principles of Fisheries Science	3
RRM 2298	Conservation Biology	3
		<b>15</b>

\* Indicates courses with a field study component.

## GRADUATION

Upon successful completion of the program, students are awarded a Natural Resource Compliance diploma.

## School of Environmental Sciences

Find out more about other programs offered in this school:

- Conservation Enforcement - Bachelor of Applied Sciences.....p.63
- Ecosystem Management - Bachelor of Applied Science .....p.76
- Environmental Assessment and Restoration .....p.83
- Fish and Wildlife Technology .....p.90
- Renewable Resource Management .....p.114

[lethbridgecollege.ca/programs](http://lethbridgecollege.ca/programs)

# Perioperative Post-Diploma Nursing

Program Office: 403.320.3202 Ext. 5777 • [perioperative.nursing@lethbridgecollege.ca](mailto: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

## PRACTICUM EXPERIENCE REQUIREMENTS

There is a required practicum component to this program. The College dictates the legal terms and conditions governing the practicum experience. Failure by the student to accept by way of legal contract and abide by these terms and conditions will result in non-completion of the program.

Students must meet and maintain certain requirements to participate in the practice setting as determined by practice agencies and/or legislated by government bodies. These include certain health immunizations, police information check, current CPR certification, OH&S requirements (e.g. Fire Safety, WHMIS,

Mask Fit-testing etc.), and other agency/site specific requirements (e.g. back care, IV management, privacy/confidentiality, etc.). There are also immunizations and health screening tests that are strongly recommended. Situations often arise when recommendations become requirements (e.g. declared outbreaks, host agency protocols, etc.).

Practicum sites will include Lethbridge and may include surrounding rural communities. Practicums may include days, 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](http://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
	<b>6</b>
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
	<b>12</b>

(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:

- Massage Therapy.....p.105
- Bachelor of Nursing.....p.46
- Bachelor of Nursing - After Degree .....p.49
- Practical Nursing .....p.112
- Therapeutic Recreation - Gerontology.....p.116

[lethbridgecollege.ca/programs](http://lethbridgecollege.ca/programs)

# Police Recruit Training

Program Office: 403.320.3418 • [infojustice@lethbridgecollege.ca](mailto:infojustice@lethbridgecollege.ca)

Program Coordinator: 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](http://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
		<b>30</b>

## 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 Enforcement .....p.60

[lethbridgecollege.ca/programs](http://lethbridgecollege.ca/programs)

# Practical Nursing

Program Office: 403.320.3211 • [practicalnursing@lethbridgecollege.ca](mailto: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 preceptor-led clinical experiences supporting transition into a graduate nurse.

## 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 20-2 or a higher level math;
- 60 percent minimum in Biology 30.

## 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.

## PRACTICUM EXPERIENCE REQUIREMENTS

There is a required practicum component to this program. The College dictates the legal terms and conditions governing the practicum experience. Failure by the student to accept by way of legal contract and abide by these terms and conditions will result in non-completion of the program.

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

There are also immunizations and health screening tests that are strongly recommended.

Situations often arise when recommendations become requirements (e.g. declared outbreaks, host agency protocols, etc.).

Practicum sites will include Lethbridge and surrounding rural communities consisting of days, evenings 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](http://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
	<b>19.5</b>

Year 1 Term II	Learning Credits
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
	<b>18</b>

Year 2 Term I	Learning Credits
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
	<b>18</b>

# Practical Nursing Continued

## Year 2 Term II

PNG 2255	Professional Growth	3
PNG 2257	Health and Families (Theory IV)	3
PNG 2258	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
		<b>21</b>

## Year 2 Term III

PNG 2276	Focused Practicum	3
PNG 2277	Comprehensive Practicum	6
		<b>9</b>

(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.

### 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.

### School of Health Sciences

Find out more about other programs offered in this school:

- Massage Therapy.....p.105
- Bachelor of Nursing.....p.46
- Bachelor of Nursing - After Degree .....p.49
- Perioperative Post-Diploma Nursing.....p.110
- Therapeutic Recreation - Gerontology.....p.116

[lethbridgecollege.ca/programs](http://lethbridgecollege.ca/programs)

# Renewable Resource Management

Program Office: 403.382.6991 • [envisci@lethbridgecollege.ca](mailto: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](http://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
	<b>15</b>
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
	<b>15</b>
Year 2 Term I	
*RRM 2256 Rangeland Habitat 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
	<b>15</b>

# Renewable Resource Management Continued

## Year 2 Term II

*RRM 2252 Water Resources	3
*RRM 2253 Soil Resources	3
*RRM 2299 Fire Management	3
*RRM 3386 Wildlife Habitat Management	3
*RRM 3389 Fish Habitat Management	3
	<b>15</b>

\* Indicates courses 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 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.

## GRADUATION

Upon successful completion of all program requirements, students are awarded a Renewable Resource Management 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.

## 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 Northern British Columbia

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 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, 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](http://www.griffith.edu.au/credit) for more information.

## School of Environmental Sciences

Find out more about other programs offered in this school:

- Conservation Enforcement - Bachelor of Applied Sciences .....p.63
- Ecosystem Management - Bachelor of Applied Science .....p.76
- Environmental Assessment and Restoration .....p.83
- Fish and Wildlife Technology .....p.90
- Natural Resource Compliance .....p.108

[lethbridgecollege.ca/programs](http://lethbridgecollege.ca/programs)

# Therapeutic Recreation - Gerontology

Program Office: 403.320.3202 Ext. 3211 • [trg@lethbridgecollege.ca](mailto: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

Our population is aging and those with the skills to work with seniors are in huge demand. If the opportunity to use leisure and recreational activities to enhance the quality of their lives is appealing to you, our two-year diploma program in Therapeutic Recreation - Gerontology will prepare you for a rewarding career working with the elderly.

You can study on campus, by Online Learning or customize your learning to suit your personal needs by using both delivery methods. You will 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. You'll have the opportunity to apply theory and practice through two practicum placements.

At the end of the program, you'll have a diploma in Therapeutic Recreation - Gerontology, a comprehensive, practical understanding of therapeutic recreation in gerontology and the skills required for immediate employment! Get ready for a successful career enhancing the lives of seniors by coming to Lethbridge College.

## CAREER OPPORTUNITIES

Your diploma in Therapeutic Recreation - Gerontology will prepare you to work in many fields, including:

- Mental Health Facilities
- Adult Day Programs
- Respite Care Facilities
- Special Assessment Units
- Long-Term Care Facilities
- Senior Recreation Facilities
- Adult Living Facilities
- Hospitals
- Acute Care Facilities
- Assisted Living Facilities
- 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), 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

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

## PRACTICUM EXPERIENCE REQUIREMENTS

There is a required practicum component to this program. The College dictates the legal terms and conditions governing the practicum experience. Failure by the student to accept by way of legal contract and abide by these terms and conditions will result in non-completion of the program.

Students must meet and maintain certain requirements to participate in the practice setting as determined by practice agencies and/or legislated by government bodies. These include certain health immunizations, police information check, current CPR certification, OH&S requirements (e.g. Fire Safety, WHMIS, Mask Fit-testing, etc.), and other agency/site specific requirements (e.g. back care, IV management, privacy/confidentiality, etc.). There are also immunizations and health screening tests that are strongly recommended. Situations often arise when recommendations become requirements (e.g. declared outbreaks, host agency protocols, etc.).

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](http://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 1170 Human Development Across the Lifespan (OL)	3
PSY 1177 Psychology of Aging (OL)	3
TRG 1150 Introduction to Therapeutic Recreation (OL)	3
TRG 1164 Leadership Theory (OL)	3
	<b>18</b>
Year 1 Term II	
BIO 1152 Physiology of Aging (OL)	3
COM 1170 Helping Relationships (OL)	3
PSY 2260 Abnormal Psychology (OL)	3
SOC 1167 Sociology of Aging (OL)	3
TRG 1160 Therapeutic Recreation Program Planning I (OL)	3
TRG 1199 Practicum I (OL)	3
	<b>18</b>
Year 2 Term I	
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
	<b>15</b>
Year 2 Term II	
TRG 2251 Seminar (OL)	1.5
TRG 2263 Aging Disorders and Disabilities (OL)	3
TRG 2264 Community Resources (OL)	3
TRG 2270 Administrative Practices in Therapeutic Recreation (OL)	3
TRG 2200 Practicum II (OL)	3
	<b>13.5</b>

(OL) indicates courses which are also available through Online Learning. Please refer to the online Academic Timetable for course availability.

# Therapeutic Recreation - Gerontology Continued

## IMPORTANT NOTE:

Students must complete the two practicums 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-2200 must advise the program prior to September 30th for a winter term placement and prior to January 31st for a spring term placement.

## 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.

### 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.

### 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.

### Dalhousie University

Negotiations are underway for diploma graduates for entry into the Bachelor of Science (Recreation) Therapeutic Recreation.

### 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:

- Massage Therapy.....p.105
- Bachelor of Nursing.....p.46
- Bachelor of Nursing - After Degree .....p.49
- Perioperative Post-Diploma Nursing .....p.110
- Practical Nursing .....p.112

[lethbridgecollege.ca/programs](http://lethbridgecollege.ca/programs)

# Unit Clerk Training

Program Office: 403.320.3202 Ext. 5777 • [unitclerk@lethbridgecollege.ca](mailto: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.

## PRACTICUM EXPERIENCE REQUIREMENTS

There is a required practicum component to this program. The College dictates the legal terms and conditions governing the practicum experience. Failure by the student to accept by way of legal contract and abide by these terms and conditions will result in non-completion of the program.

Students must meet and maintain certain requirements to participate in the practice setting as determined by practice agencies and/or legislated by government bodies. These include certain health immunizations, police information check, current CPR certification, OH&S requirements (e.g. Fire Safety, WHMIS, Mask Fit-testing, etc.), and other agency/site specific requirements (e.g. back care, IV management, privacy/confidentiality, etc.). There are also immunizations and health screening tests that are strongly recommended. Situations often arise when recommendations become requirements (e.g. declared outbreaks, host agency protocols, etc.).

Practicum sites will include Lethbridge and surrounding rural communities consisting of days, 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](http://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 1141 Health Care Billing	1.5
	<b>15</b>
Year 1 Term II	
HTH 1131 Unit Clerk Practicum	1.5
	<b>1.5</b>

(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:

- Health Care Aide .....p.101
- Medical Device Reprocessing .....p.106

[lethbridgecollege.ca/programs](http://lethbridgecollege.ca/programs)

# Wind Turbine Technician

Program Office: 403.320.3411 • [tradeslc@lethbridgecollege.ca](mailto: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: side impact hard hat with chin strap, cotton coveralls, 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.

Students will also be responsible for the exam fee if writing the First Period Electrician Apprenticeship.

## 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.

Applicants may be required to provide a physician's medical report at the request of the program to determine suitability for the industry.

## YOUR INVESTMENT

Program fees will vary. To view fee information for your program, go to [lethbridgecollege.ca/programs](http://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](http://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
	<b>19.5</b>

### 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
	<b>22.5</b>

## 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. The student will be responsible for the exam fee if taking the Alberta Apprenticeship and Industry Training First Period Electrician Apprenticeship exam. 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.



# Course Descriptions



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.

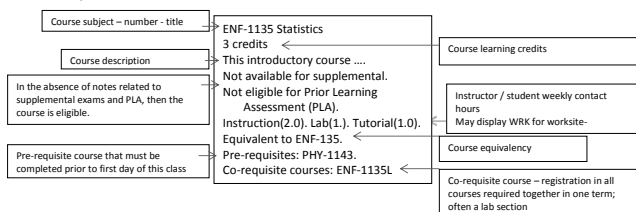
## ABOUT THE COURSE DESCRIPTIONS

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:



## RELATED DEFINITIONS

**Learning Credits:** a measure of learning based on outcomes in a course. Learning credits are used in calculating a student grade point average (GPA).

## 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 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.

For further information, please refer to the Grading Policy.

# Course Descriptions Continued

## **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 Innovation and 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 - AGR 1164

## (ACC) ACCOUNTING

### **ACC-1125 Service Based Accounting 1.5 credits**

This course is an overview of basic accounting concepts for a service-based business. It covers a basic understanding of the accounting cycle and reinforces theoretical concepts through a basic understanding of an integrated accounting software package. 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**

This course includes 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. The foregoing are applied in relation to the sole proprietorship with an emphasis placed on integrating the basic concepts with accounting practice. Instruction (4.0). Equivalent to ACC-170, ACC-171.

### **ACC-1175 Financial Accounting II 3 credits**

This course covers concepts and principles relating to partnership and corporation accounting. Other topics include accounting for plant and equipment, natural resources, intangible assets, accounting for current and long-term liabilities, analysis and interpretation of financial statements,

and accounting for manufacturing operations. Instruction (4.0). Equivalent to ACC-175, ACC-173. Requisite courses: Take ACC-1170; (Required, Previous).

### **ACC-2250 Management Accounting I 3 credits**

This course covers the basic concepts of management accounting, consisting of the fundamentals of accounting for planning and control. Topics include 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**

This course covers profit planning, cost allocations, joint and by-product costing, inventory planning, relevant costs and contribution approach, accounting systems, internal control, and measuring performance, 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 ACC 1170 (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**

This course examines complexities of accounting principles for corporate financial presentation. Special emphasis is placed on asset management and the various methods used by differing industries. Instruction (5.0). Equivalent to ACC-271. Requisite courses: Take ACC-1175; (Required, Previous).

### **ACC-2273 Intermediate Financial Accounting II • 3 credits**

This course continues the examination of the complexities of accounting principles for corporate financial presentation. Special emphasis is placed on liability and equity management and the various methods used by differing industries. 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).

## (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 and Life Sciences is required and employment opportunities may be associated with the course. Not available for supplemental. Not eligible for Prior Learning Assessment. Work Experience (6.0). Requisite courses: Take AGR-1164, AGR-1168, BIO-1175, ENG-1154, IRR-1152, PLT-1152, PLT-1155, RRM-1153. (Required, Previous).

### **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 crop 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 2287

## **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, crop 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 and Life Sciences is required and employment opportunities may be associated with the course. Not available for supplemental. Not eligible for Prior Learning Assessment. Work Experience (7.0). Requisite courses: Take AGR-1164, AGR-1168, BIO-1175, ENG-1154, IRR-1152, PLT-1152, PLT-1155, RRM-1153. (Required, Previous).

## **AGR-2256 Maps and GIS for 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 aerial photograph interpretation, manual and 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-2257 Value Added Agricultural Production • 3 credits**

This course includes review of the profit centers in the production, processing and marketing of agricultural products. The emphasis will be on the identification of opportunities for producers to gain a greater share of the overall profits. Topics include description of successful value chains, direct marketing alternatives, regulations and licensing, opportunity identification, product certification standards, sources of project development funding, and enterprise budgeting. A significant portion of the course will be a major enterprise project. Instruction (3.0). Equivalent to AGR-257. Requisite courses: Take RRM-1153, PLT-1152, MKT-1152. (Required, Previous).

## **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 crops. 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-1153 (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 credit, 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).

# Course Descriptions AGR 2289 - AOP 1148

## **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).

## **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, creation 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. Requisite courses: Take BUS-1180. (Required, Previous).

### **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.

# Course Descriptions ART 1150 - AST 1138

Not available for supplemental. Instruction (2.0). Equivalent to OAA-1148, OAA-148, OAA-140.

## (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, critiques 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, 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 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, 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 ART-170.

## (AST) AUTOMOTIVE SYSTEMS

### **AST-1116 Introduction 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 1146

## **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 critical 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. The emphasis in ecology will give students 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. Not available for supplemental. This course requires SCI-0075 or equivalent. Instruction (4.0), Lab (1.0). Equivalent to BIO-085. Requisite courses: Take BIO-0085L (Required, Concurrent).

### **BIO-0095 Biology 0095 • 5 credits**

This course covers biochemistry and human anatomy and physiology. Biochemistry provides an understanding of the chemical processes within the human body. Human anatomy and physiology includes the study of the major organ systems within the human body. Laboratory work will include microscopy, dissection and analysis of test results. Not open to supplemental. This course requires BIO-085 or equivalent. Instruction (4.0), Lab (1.0). Equivalent to BIO-095. Requisite courses: Take BIO-0095L (Required, Concurrent).

### **BIO-1141 Biology for Health Sciences 3 credits**

This course is specifically for pre-assessed students intending to enter a program within the Centre for Health, Justice and Human Services at Lethbridge College.

It will provide students with a multidimensional, contextual learning experience for acquisition of pre-requisite content and skills in biology, including biological concepts, terms, and applications and the development of laboratory techniques, skills and procedures. Successful completion to the standard set by the program(s) pre-requisite requirement will provide opportunity for entry into the identified program(s) in the Centre for Health, Justice and Human Services. Instruction (5.0). Equivalent to BIO-141.

## **BIO-1145 Intro to Anatomy & Physiology 3 credits**

This course is a systematic study of the structural basis of the human body. It includes a study of anatomical terms, body organization, basic cell structure and basic chemistry and histology of the human body. It includes the study of all body systems, including integumentary, respiratory, digestive, skeletal, muscular, nervous, circulatory, lymphatics, urinary, endocrine, and reproductive. The course features an in-depth study of skeletal, muscular, and nervous systems in the lab. Included is study of histology, internal anatomy, eye, ear, kidney, arteries, veins, and lymphatics as seen on models. Included is one lab studying cadavers. Instruction (3.0), Lab (2.0). Equivalent to BIO-145. Requisite courses: Take BIO-1145L (Required, Concurrent).

## **BIO-1146 Joints and Soft Tissues 3 credits**

This course studies the articulating surfaces of the skeleton, and their ranges of motion. The normal range of motion will be critically compared to disorders and disease involving joints. Students will learn pathologies related to joint function, including rotator cuff injury, whiplash, golfer's elbow, tennis elbow, carpal tunnel syndrome, herniated discs, hip arthroplasty, meniscus injuries of the knee, sprained ankle, osteoarthritis and rheumatoid arthritis. 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-1145; (Required, Previous). Take BIO-1146L (Required, Concurrent).

# Course Descriptions BIO 1149 - BIO 1164

## **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. Prerequisite 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, endocrine, 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. Prerequisite courses: Take BIO-1152L (Required, Concurrent).

## **BIO-1155 Human Nutrition • 3 credits**

A study of the sources, composition and functions of the macromolecules, 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. Prerequisite 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. Prerequisite 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 endocrine 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. Prerequisite courses: Take BIO-1160; (Required, Previous). Take BIO-1161L (Required, Concurrent).

## **BIO-1162 Microbiology • 3 credits**

An introduction to the pathogenic microorganisms 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. Prerequisite courses: Take BIO-1162L (Required, Concurrent).

## **BIO-1163 Terrestrial Ecology • 3 credits**

A study of the interrelationships between living organisms and their terrestrial environments with an emphasis on elements of the physical world which shape and define ecosystems. Not available for supplemental. Instruction (3.0), Lab (2.0). Equivalent to BIO-163, BIO-255. Prerequisite courses: Take BIO-1163L (Required, Concurrent).

## **BIO-1164 Plant Taxonomy • 3 credits**

A study of the identification and classification of gymnosperms and angiosperms including trees, shrubs, grasses, grass-like, and forbs. Emphasis is placed on the phenotypic taxonomic characteristics while recognizing the influence provided by genotypic features. Not available for supplemental. Instruction (3.0), Lab (2.0). Equivalent to BIO-164, BIO-154. Prerequisite courses: Take BIO-1164L (Required, Concurrent).

# Course Descriptions BIO 1165 - BUS 1168

## **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-1170 Plant Systematics • 3 credits**

This course is a study of the identification and classification of gymnosperms and angiosperms including trees, shrubs, grasses, grass-like, 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-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. (Required, Concurrent).

## **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-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-2269 Aquatic Ecology • 3 credits**

An exploration of the biotic relationships and abiotic factors affecting floral and faunal communities in aquatic systems. The influence of chemical and physical characteristics on system productivity and ecosystem health will also be studied. Not available for supplemental. Instruction (3.0), Lab (2.0). Equivalent to BIO-269, BIO-159. Requisite courses: Take BIO-2269L (Required, Concurrent).

## **BIO-3350 Comparative Animal Biology 3 credits**

This course is a survey of the higher animal kingdom, focusing on the biology of mammals, reptiles and amphibians. Topics covered include reproductive strategies, ethology, evolutionary biology, anatomy, physiology and ecology. Select families in the animal kingdom will be compared across these topics.

Not available for supplemental. Instruction (2.0), Lab (2.0). Equivalent to BIO-350. Requisite courses: Take BIO-3350L (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).

## **(BUS) BUSINESS ADMINISTRATION**

### **BUS-1124 Service-Based Small Business Management • 3 credits**

This course is an introduction to the organization and operation of a small business, focusing on the development of a summary business plan which students can use in the operational and financial start of their business. Not available for supplemental. Instruction (3.0). Equivalent to BUS-124.

### **BUS-1166 Business Law • 3 credits**

This course explains how the law governs and facilitates business enterprise and provides an overview of the key areas fundamental to the running of a business such as 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

# Course Descriptions BUS 1170 - BUS 2285

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**

This course introduces the learner to the four basic components of management: planning, organizing, leading and controlling. Students will learn the major aspects of each and apply them to various scenarios and case studies. Instruction (4.0). Equivalent to BUS-170.

## **BUS-1176 Financial Planning • 3 credits**

This course provides the opportunity to critically analyse 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**

This course uses an interactive classroom environment for students to learn about the field of entrepreneurship and to assess their own propensity toward it. Not available for supplemental. Instruction (3.0). Equivalent to BUS-177.

## **BUS-1178 Information Management & Applications • 1.5 credits**

This course is a modularized introduction to computer literacy. A general orientation to computers and the most popular business-oriented software packages, including e-mail, will be covered. Not available for supplemental. Instruction (3.0). Equivalent to BUS-178, BUS-173.

## **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**

This course is a modularized introduction to computer literacy. A general orientation to computers and some of the most common business oriented software packages, including Windows, e-mail, word processing, presentations and database management will be covered. Not available for supplemental. Instruction (3.0). Equivalent to BUS-185.

## **BUS-2267 Database Design • 3 credits**

Database application software is used to solve business problems. A hands-on approach focuses on a variety of database design techniques. 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**

The primary intention of this course is to provide students with a comprehensive understanding of human behaviour in organizations. Topics include motivation and individual behaviour; stress and its management; perception and personality; emotions and values; decision-making; inter- and intra-group dynamics; communication; leadership; power; conflict; and change in Canadian organizations. In addition to the theory component, students will have an opportunity to develop analytical and decision-making skills through discussion of cases, simulation exercises, research projects and reports. The format of the class uses lectures, discussion, and questions and answers. Instruction (5.0). Equivalent to BUS-268. Requisite courses: Take BUS-1170; (Required, Previous).

## **BUS-2269 Management Communications • 3 credits**

This course provides theory and practice in effective communication skills in relating to others both on and off the job. Emphasis is placed on class participation, including discussion groups, self-evaluation, and role-play scenarios. Topics include the psychological factors of communicating, motivating others, effective listening and speaking, helpful group behaviour and leadership skills. Not available for supplemental. Instruction (3.0). Equivalent to BUS-269.

## **BUS-2275 International Business 3 credits**

This course is an introduction to international business and a variety of economic and finance tools, enabling students to analyse and understand international business events. It offers opportunity to apply analytical tools in several 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**

This course places emphasis on the practical application of basic skills required to manage either in unionized workplaces or those that might be faced with a certification application. Lectures, readings, case studies, simulations, and assignments will serve to acquaint students with the structure and functioning of the Canadian industrial relations system, basic employment law concepts, the union certification process, negotiation and administration of collective agreements, strikes and dispute resolution. Not available for supplemental. Instruction (3.0). Equivalent to BUS-278.

## **BUS-2284 Advanced Internet Skills 1.5 credits**

This course provides a thorough coverage of Internet software, such as communication tools, conferencing and development software. The student will gain advanced skills using the Internet. 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**

This course teaches the specifics of the management of a small business. It covers evaluation of a business opportunity and the organizing, buying, franchising, financing and marketing of a business. It discusses the management of finances, operations, personnel, taxes, growth and transfer. Instruction (3.0). Equivalent to BUS-285. Requisite courses: Take BUS-1177, MKT-1188, ACC-1170. (Required, Previous).

# Course Descriptions BUS 2291 - CAP 2253

## **BUS-2291 Writing a Business Plan 3 credits**

This course teaches how to prepare a workable business plan, the key to starting a successful new venture. This is an application course, which allows students to develop and write their own business plans after conducting a feasibility study. The course structure is flexible to allow for emphasis on areas as requested by the students. Each student will complete a working business plan. Not available for supplemental. Instruction (3.0). Equivalent to BUS-291. Requisite courses: Take BUS-2285; (Required, Previous).

## **BUS-2292 Business Finance • 3 credits**

This course covers the time value of money, bond and dividend valuation, and analysis of cash flows with regard to capital budgeting and leasing. Topics are examined with regard to risk and international setting. Instruction (5.0). Equivalent to BUS-292. Requisite courses: Take ACC-1175; (Required, Previous).

## **BUS-2298 Human Resource Management • 3 credits**

This course gives students comprehensive knowledge of the various techniques and activities utilized in acquiring, developing and maintaining an effective workforce. Topics include designing and analyzing jobs; human resource planning; recruitment and selection; orientation and training; career development; performance appraisal; financial compensation; employee benefits and services; labour-employee relations; collective bargaining and contract administration; and occupational health and safety. Topics will be discussed in light of various environmental challenges such as government policies, demographic trends, and organizational trends. In addition to theory presented through readings, lectures and videos, specific applications will be analyzed through cases, videos, projects and research activities. Instruction (5.0). Equivalent to BUS-298.

## **(CAD) COMPUTER ASSISTED DRAFTING**

### **CAD-1155 Introductory AutoCAD 3 credits**

This course will introduce the student to the fundamentals of a CAD system and deal with the use of CAD in the production of engineering drawings.

Topics include control commands, viewing commands, graphic creation commands, graphic editing commands, command modifiers, keyboard modifiers, symbol creation, layers and plotting skills. Learned knowledge and developed skills will be applied to comprehensive drawing projects. Not available for supplemental. Instruction (5.0). Equivalent to CAD-155, CAD-150. Requisite courses: Take CPU-1150 and DRF-1153 (Required, Concurrent).

### **CAD-1180 CAD Applications • 3 credits**

A study of advanced applications using various industry standard CAD application software packages. Topics may include: implementation of drafting office standards, file management, productivity techniques, and specialized software applications. This course will focus on incorporating application software for advanced CAD projects for Engineering Design and Drafting Technology students. Not available for supplemental. Not eligible for Prior Learning Assessment. Instruction (4.0). Equivalent to CAD-180. Requisite courses: Take CAD-1155. (Required, Previous).

### **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**

This course is an introduction to the sociology and psychology of communication. It deals with theory of communication, intrapersonal, interpersonal and socio-cultural systems and relationships of communications to numerous scientific disciplines. It includes discussion groups and practical exercises in communication. Instruction (3.0). Equivalent to CAP-158.

## **CAP-1161 Producing and Script Writing 3 credits**

This course covers the skills used by television or multimedia producers from idea development through the finished program including: storyboarding and script writing, marketing a program idea and the program itself, program budgeting, casting and staffing. Instruction (3.0). Equivalent to WRI-1150, WRI-150, CAP-161.

## **CAP-1175 Media Technology Visual II 3 credits**

Students will develop advanced video and still digital camera skills and techniques for production of images used in television, the internet and print publications. The course will have an emphasis on content used in the various media. Instruction (4.0). Equivalent to CAP-175. Requisite courses: Take CAP-1165; (Required, Previous). Take CAP-1175L (Required, Concurrent).

## **CAP-1191 Campus Media I • 3 credits**

This course is a practicum for Ad/PR students in the campus radio station and the campus newspaper. It covers reporting, writing, commercial production and advertising layout. Not available for supplemental. Instruction (6.0). Equivalent to CAP-191. Requisite courses: Take CAP-1175, CPU-1190, and WRI-1174 (Required, Previous).

## **CAP-2252 Broadcast Journalism I 3 credits**

This course covers the reporting component of broadcast journalism. Students are assigned to sports events, city council, school board public meetings, and assorted breaking news events. Students must conduct interviews, gather information, and report for CRLC Radio and SHAW TV. Writing, performance and production skills are emphasized with ongoing critiques. Not available for supplemental. Instruction (5.0). Equivalent to CAP-252. Requisite courses: Take WRI-1174; (Required, Previous).

## **CAP-2253 Broadcast Journalism II 3 credits**

This course emphasizes the generation of news for radio and television. Students cover councils, boards, commissions, special events, sports and business. They write and produce stories for CRLC Radio and Shaw TV. Student work is critiqued. This course also deals with job search methods. Not available for supplemental. Instruction (5.0).

# Course Descriptions CAP 2255 - CAP 2285

Equivalent to CAP-253. Requisite courses:  
Take CAP-2252; (Required, Previous).  
Take CAP-2285 (Required, Concurrent).

## **CAP-2255 Sales Practice • 3 credits**

This course is a study of how the advertising sales person can be a consultant and adviser to clients. It covers methods of selling an abstract product - time and space - through the use of rating books and rate cards. Information flows from sales to finished products are developed. Instruction (3.0). Equivalent to CAP-255, MKT-2279, MKT-279.

## **CAP-2256 Broadcast Presentation 3 credits**

This course covers broadcast production from in front of a television camera and behind a radio microphone. It includes standard announcing, interviewing and hosting techniques for both radio and television. Instruction (3.0). Equivalent to CAP-256, CAP-196. Requisite courses: Take CAP-1171, CAP-1175, and PRS-1173; (Required, Previous).

## **CAP-2257 New Media for Journalists 3 credits**

This course examines techniques and systems necessary to help journalists excel in both traditional and new media. Students will work with different software to enhance desktop-style publications, to expand on digital transfer of information and to capitalize on opportunities linking journalism and the internet. Instruction (4.0). Equivalent to CAP-257, CAP-272. Requisite courses: Take CPU-1190, CAP-1175 (Required, Previous).

## **CAP-2262 Editing I • 3 credits**

This course is an introduction to copy reading, headline writing, the functions and responsibilities of the copy desk and practical experience in handling copy for The Endeavour, the student newspaper. Not available for supplemental. Instruction (4.0). Equivalent to CAP-262. Requisite courses: Take WRI-1174; (Required, Previous).

## **CAP-2263 Editing II • 3 credits**

This course is a continuation of CAP 262 focusing on management issues handled by editors. Not available for supplemental. Instruction (4.0). Equivalent to CAP-263. Requisite courses: Take CAP-2262; (Required, Previous).

## **CAP-2266 Campus Newspaper I 3 credits**

This course covers publishing the campus newspaper, The Endeavour. It includes news writing and editing techniques in an on-the-job training atmosphere. Not available for supplemental. Instruction (6.0). Equivalent to CAP-266. Requisite courses: Take CAP-1175, CPU-1190, and WRI-1174 (Required, Previous).

## **CAP-2267 Campus Newspaper II 3 credits**

This course is a continuation of CAP 266 Campus Newspaper I. Not available for supplemental. Instruction (6.0). Equivalent to CAP-267. Requisite courses: Take CAP-2266; (Required, Previous). Take CAP-2299 (Required, Concurrent).

## **CAP-2274 Public Relations II • 3 credits**

This course covers practice of the theories learned in CAP 254, public relations case studies and practical tasks performed by public relations practitioners. News releases, press kits, special event planning, and report writing are stressed, within the context of working with a community-based organization. Instruction (3.0). Equivalent to CAP-274. Requisite courses: Take CAP-2254; (Required, Previous).

## **CAP-2275 Broadcast Production I 3 credits**

This course covers the theory and practical applications of operation of CRLC Radio and assigned production projects for Shaw TV. Students will be involved in music selection, preparation of program logs, commercial writing and production, announcing, and reporting for both radio and television. Students are assigned mandatory rotating shifts on CRLC Radio and at Shaw TV. Assignments include work off campus. Not available for supplemental. Instruction (7.0). Equivalent to CAP-275, CAP-250, CAP-202. Requisite courses: Take CPU-1190; (Required, Previous). Take WRI-2250 (Required, Concurrent).

## **CAP-2276 Print Journalism I • 3 credits**

This course covers in-depth reporting skills and practise in covering more difficult beat areas, in rewriting and in investigative reporting. Actual news coverage takes place on and off campus. Areas of interest will branch out into specialized areas such as politics, science and business. Not available for supplemental. Instruction (4.0). Equivalent to CAP-276, CAP-260. Requisite courses: Take WRI-1174; (Required, Previous).

## **CAP-2278 Digital Media Production 3 credits**

Students will develop skills in utilizing digital media to tell stories to audiences on both television and the web. Digital Media Production delves into the world of video compositing, motion and chroma keying in both standard and high definition. Students will also learn the art of tape to tape linear editing. They will use these skills to create material to be broadcast on LCTV news. In addition, students will learn how to create a basic website and integrate all media by compressing and uploading videos, photos, audio and text. Instruction (2.0), Lab (2.0). Equivalent to CAP-278. Requisite courses: Take CAP-1175; (Required, Previous). Take CAP-2275, WRI-2250 and CAP-2278L (Required, Concurrent).

## **CAP-2281 Visual Communications 3 credits**

This course involves preparing visual materials for use in a public relations and/or advertising setting. It covers preparation and design requirements for logos, displays, posters, and online media. It moves from traditional design and preparation methods to today's varied computer and multimedia programs. Not available for supplemental. Instruction (3.0). Equivalent to CAP-281. Requisite courses: Take CAP-1175 and CPU-1190 (Required, Previous).

## **CAP-2282 Magazine Design • 3 credits**

This course covers editorial content design of a general-issue magazine. Students will learn how to lay out features using photographs, other illustrations and typefaces. They will receive instruction in story starts and turns, departmental features and cover design. The students will employ their magazine design skills in their final term in the production of a full-sized glossy magazine. Instruction (4.0). Equivalent to CAP-282, CAP-271. Requisite courses: Take CPU-1190; (Required, Previous).

## **CAP-2285 Broadcast Production II 3 credits**

This course is a continuation of CAP275, Broadcast Production I. Not open to supplemental. Instruction (7.0). Equivalent to CAP-285, CAP-251, CAP-203. Requisite courses: Take CAP-2275; (Required, Previous). Take WRI-2274 (Required, Concurrent).

# Course Descriptions CAP 2286 - CEN 4455

## **CAP-2286 Print Journalism II • 3 credits**

This course covers in-depth reporting and specialized writing. Instruction (4.0). Equivalent to CAP-286, CAP-270. Requisite courses: Take CAP-2276; (Required, Previous).

## **CAP-2291 Campus Media II • 3 credits**

This course is a continuation of CAP 1191, Campus Media I. Not available for supplemental. Instruction (6.0). Equivalent to CAP-291. Requisite courses: Take CAP-1191; (Required, Previous).

## **CAP-2299 Practicum • 3 credits**

This course is offered to Communication Arts students during the final semester of study. Students are required to find a practicum placement with a host who can provide a work experience that will support the learning outcomes of the course. Practicums need to be taken under the guidance of a supervisor experienced and currently operating in the student's chosen field. A suitable host must be able to provide the equipment, site and expertise to properly offer a complete work experience. College facilities and equipment cannot be used to complete a practicum. Students are expected to perform the duties of an entry-level employee of the business. Not available for supplemental. Work Experience (.). Equivalent to CAP-299, CAP-210.

## **(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 crime scene including crime 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 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. 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 crops 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 critical 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.

# Course Descriptions CEN 4460 - CHM 1155

## **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 crops, 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. Specific topics of study include the diversity of matter, 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. Not available for supplemental. This course requires SCI-0075 or equivalent. Instruction (4.0), Lab (1.0). Equivalent to CHM-085. Requisite courses: Take CHM-0085L (Required, Concurrent).

### **CHM-0095 Chemistry 0095 (5.0 cr.)**

This course is a continuation of Chemistry 0085 and requires previous successful completion of Chemistry 0085, or

Chemistry 20, or equivalent. Specific topics of study include thermochemical changes; electrochemical changes; organic chemistry and related chemical changes; and 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. Not open to supplemental. Instruction (4.0), Lab (1.0). Equivalent to CHM-095. Requisite courses: Take CHM-0095L (Required, Concurrent).

### **CHM-1141 Chemistry for Health Sciences • 3 credits**

This course is specifically for pre-assessed students intending to enter a program within the Centre for Health, Justice and Human Services at Lethbridge College. It will provide students with a multi-dimensional, contextual learning experience for acquisition of pre-requisite content and skills in chemistry including concepts, terms, and applications and the development of laboratory techniques, skills and procedures. Successful completion to the standard set by the program(s) pre-requisite requirement will provide opportunity for entry into the identified program(s) in the Centre for Health, Justice and Human Services. Instruction (5.0). Equivalent to CHM-141.

### **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).

# Course Descriptions CHM 2255 - CIT 2261

## **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-2255L. (Required, Concurrent).

## **CHM-2270 Environmental Chemistry 3 credits**

This course includes background theory and practice relevant to solutes and solution chemistry; nutrient and contaminant vectors; nutrient cycling; fluxes of chemical species and energy and methods of monitoring chemical profiles with the objective of achieving optimum sustainable productivity. Content also includes the chemical analysis of contaminants such as heavy metals, specific inorganics, hydrocarbons, and salinization. Practical experience is gained in the characterization, monitoring and interpretation of key chemical parameters within soils, water and air. Not available for supplemental. Instruction (2.0), Lab (2.0). Equivalent to CHM-270. Requisite courses: Take CHM-2270L (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).

## **(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 scripts. 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).

### **CIT-2261 Operating Systems • 3 credits**

This course covers the activities performed by operating systems, including hardware interfacing, process creation and scheduling, deadlocks, memory management and system security. In the lab, students will gain experience with various personal computer operating systems. Not available for supplemental. Instruction (2.0), Lab (2.0). Equivalent to CIT-261, CIT-251. Requisite courses: Take CIT-2261L (Required, Concurrent).

# Course Descriptions CIT 2262 - CIV 2257

## **CIT-2262 Operating Systems Theory 1.5 credits**

An introduction to operating system functions, including hardware interfacing, process creation 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-2266 Object Program Systems Applications • 3 credits**

The course will expand on the topics introduced in CIT 1154 and CIT 1156. Object-oriented languages will be used to implement algorithms and advanced programming concepts will be discussed. Not available for supplemental. Instruction (4.0). Equivalent to CIT-266. Requisite courses: Take CIT-1156; (Required, Previous).

## **CIT-2268 User-Centred Interface Design 3 credits**

A skills-based approach to creation 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 1 credit**

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. 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-1163; (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-2257 Environmental Engineering 3 credits**

This course covers the broad scope of water resource topics as they relate directly to the environment. Some topics presented are water and waste water characteristics, water and waste water treatment, solid waste disposal, water distribution systems and sewage collection system design. Not available for supplemental. Instruction (5.0). Equivalent to CIV-257. Requisite courses: Take ENF-1161; (Required, Previous).

# Course Descriptions CIV 2258 - CJP 1161

## **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 Highways • 3 credits**

This course is a review of first-year surveying with emphasis on new topics such as roadway classification, geometric design controls for horizontal and vertical alignment, organization of highway projects and construction contracts, co-ordination of inspection services and survey control. Emphasis is on computations for circular curves, vertical parabolic curves, triangulation and coordinates, construction surveys, survey records, earthwork, and measurements for contract pay quantities. This course also provides additional survey experience related to canal and highway projects. Additional EDM work, including total station EDMs and some associated software for downloading the electronic field book, are studied. Not available for supplemental. Not eligible for Prior Learning Assessment. Instruction (3.0), Lab (3.0). Equivalent to CIV-260. Requisite courses: Take ENF-1161, ENF-1168, SUR-1162; (Required, Previous). Take CIV-2260L and CPU-2248 (Required, Concurrent).

## **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-266. Requisite courses: Take ENF-1150; (Required, Previous).

## **CIV-2274 Infrastructure Servicing 3 credits**

An analysis of the 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 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 CPU-2248, CIV-2253, ENF-1161. (Required, Previous).

## **(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-1152 Criminal Justice Practicum I 3 credits**

This course is a practicum to broaden knowledge of the operational workings of a variety of criminal justice agencies. Students will develop the necessary skills, knowledge and attitudes for working within the criminal justice system. Although every effort will be made to facilitate students' schedules, each applicant for practicum must be aware of the possibility of having to work a variety of shifts, including weekends, evenings and midnights. Students who apply for this course will be required to undergo a security check. Not available for supplemental. Work Experience (.). Equivalent to CJP-152.

## **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.

## **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.

# Course Descriptions CJP 1163 - CJP 2267

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.

## **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).

# Course Descriptions CJP 2269 - CMM 1156

## **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 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 introduction to the roles and duties of a Commercial Vehicle Enforcement Officer. Topics include key legislation, vehicle safety inspections, driver and vehicle licensing requirements, dangerous goods, weights and dimensions. 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 including areas such as victimology, human interaction and human behaviour. 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.

## **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).

## **(CMM) MULTIMEDIA**

### **CMM-1153 Digital Audio • 3 credits**

We live in a world of sound. In this course, you will learn to capture, edit and mix the sound bites that make up the audio texture of the real world, and add sound to the virtual spaces you create and recreate in the multimedia world. Instruction (3.0). Equivalent to CMM-153, CMM-155.

### **CMM-1156 Digital Video • 3 credits**

Whether you are simply capturing and combining sequences from the life around you, or using video graphics techniques to design at the speed of light, you will need to edit your footage and take control of the process to bring your video project to life.

# Course Descriptions CMM 1162 - CMM 2293

The concepts you learn and the editing fundamentals you master in this course will give you a solid foundation in using digital video creatively and effectively in your multimedia presentations. Instruction (4.0). Equivalent to CMM-156.

## **CMM-1162 Multimedia Principles & Design • 3 credits**

Successful multimedia projects require teamwork and planning. Through research, observation and hands-on practice, you will learn important lessons about how multimedia production teams conceive, organize and manage projects, and what proven professional practices are followed to ensure success. Instruction (4.0). Equivalent to CMM-162, CMM-161.

## **CMM-1163 Scripting for Multimedia & Web • 3 credits**

The computer program is your willing servant, and it only has one question: "What next?". In this basic programming course, you will learn various ways to answer that question and tell your multimedia applications and web pages what to display, and how to behave. Using the basic building blocks of designing and delivering interactive content, you'll explore the pre-built functionality of authoring applications. Instruction (4.0). Equivalent to CMM-163.

## **CMM-1165 Coding With Web Standards 3 credits**

The network is the computer! Learning to use interactive applications together with industry standards, such as XML, CSS and Javascript to access, format and display data on the network will set you apart as a true producer on the next-generation WWW. Instruction (5.0). Equivalent to CMM-165. Requisite courses: Take CMM-1163; (Required, Previous).

## **CMM-1185 The Principles of Animation 3 credits**

You will learn and apply the principles and methods of classical animation, and its more recent 2D and 3D digital variants. Using motion studies, solid body interactions, cyclical movement, and adding synchronized audio and ambient effects, you will explore and apply the techniques the pros use to bring animated characters and inanimate objects to life. Instruction (4.0). Equivalent to CMM-185, CMM-275.

## **CMM-2282 Professional Portfolio I 1.5 credits**

In this seminar course, you will research and evaluate current best practices for designing and producing a professional portfolio. In addition to taking part in discussions, group presentations and critiques, you will develop and submit a treatment and outline for your own digital portfolio. Instruction (2.0). Equivalent to CMM-282.

## **CMM-2283 Professional Portfolio II 1.5 credits**

As you create your professional e-portfolio, you will not only be showcasing your work, but perhaps more importantly, documenting the underlying learning, and establishing your status as a lifelong learner and committed professional. By organizing your e-portfolio and making it accessible on your Internet domain, you will reinforce the fact that you are, indeed, a professional, prepared to learn and grow with the industry. Instruction (4.0). Equivalent to CMM-283. Requisite courses: Take CMM-2282; (Required, Previous).

## **CMM-2284 Professional Portfolio 3 credits**

Research the best practices for designing and producing a professional e-portfolio and explore their application to your own portfolio. Emphasis will not only be placed on showcasing your work online but on the documentation of your underlying learning, establishment of practices supporting lifelong learning, and your dedication to becoming an industry professional. Instruction (6.0). Requisite courses: Take CMM-2288. (Required, Previous).

## **CMM-2285 3D Modeling & Animation with Maya • 3 credits**

Building on your knowledge of basic animation principles and practices, you will use the industry's standard software tools for modeling and animating in 3D. You will learn to apply advanced techniques to develop animated characters and 3D environments, create mechanical simulations and incorporate the kinds of special effects required by the advertising and film industries. Instruction (5.0). Equivalent to CMM-285. Requisite courses: Take CMM-1185; (Required, Previous).

## **CMM-2288 Programming Rich-Media Applications • 3 credits**

As a multimedia programmer, it is up to you to make the various digital media in your projects as interactive as possible. In this course, you will learn to take greater control of media assets and script your projects to make the user experience highly interactive. You'll be introduced to object-oriented programming practices, and learn to write programs that are simpler to understand and easier to maintain. You'll also learn more about the importance of documentation, making your elegant code accessible and reusable by others in the production chain. Instruction (5.0). Equivalent to CMM-288, CMM-277. Requisite courses: Take CMM-1165; (Required, Previous).

## **CMM-2291 Professional Foundations 3 credits**

This course is intended to give you a deeper understanding and appreciation of the interrelated professional activities involved in multimedia production in general, as well as provide you with a conceptual point of entry into the special discipline you have chosen as an area of applied concentration. Instruction (6.0). Equivalent to CMM-291.

## **CMM-2292 Proseminar • 3 credits**

The proseminar course is designed to give you an opportunity to collaborate with your co-learners and the Program Team to integrate advanced topics and the most current industry practices with workplace learning and other activities in the final semester. You will take part in planning and hosting web events, inviting key people in the industry to engage with you in discussing current industry issues and directions or collaborate with you in evaluating technologies and experimenting with solutions. Instruction (6.0). Equivalent to CMM-292. Requisite courses: Take CMM-2291; (Required, Previous).

## **CMM-2293 Capstone Project • 3 credits**

Although your instructors will be very much involved with organizing and supporting this final project, the real goal is to give you a chance to extend your knowledge in multimedia, and your chosen area of applied concentration, through a significant achievement in independent learning. This capstone project lets you demonstrate your individual commitment to, and preparation for, life-long learning. Instruction (6.0). Equivalent to CMM-293. Requisite courses: Take CMM-2291; (Required, Previous).

# Course Descriptions CMM 2295 - COM 1159

## **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. 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. Prerequisite 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-1112 Workplace Planning & Computer Applications • 1.5 credits**

This course is designed to help the student become proficient in finding a job as well as properly relating to co-workers, supervisors, and customers. Computer skills in the areas of operating systems, word processing, and spreadsheet applications are introduced and practiced. Not available for supplemental. Not eligible for Prior Learning Assessment. Instruction (1.0). Equivalent to WTT-1125, COM-112.

### **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.

# Course Descriptions COM 1162 - CON 1155

## **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-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 (2.0), Tutorial (1.0). Requisite courses: Take COM-1165T. (Required, Concurrent).

## **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 judo 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 (2.0), Tutorial (1.0). Equivalent to COM-275. Requisite courses: Take COM-2275T (Required, Concurrent).

## **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-1133 Residential Construction 3 credits**

This course covers the principles and practices of light construction. The various phases of residential construction are covered in a logical sequence. The main topics include the building site, footings and foundations, framing practices for floors, walls, partitions and roofs. The Alberta Building Code is an integral part of the course.

Not available for supplemental. Instruction (1.0), Lab (2.0). Equivalent to CON-133, CON-130. Requisite courses: Take DRF-1165 and CON-1133L (Required, Concurrent).

### **CON-1140 Engineering Contracts 3 credits**

An introduction to the Canadian legal system, the basic components and requirements of building contracts, types of contracts used in the construction industry and their applications, duties, rights and obligations of the contracting parties, general conditions of the contract and the various statutes that affect the construction industry as a whole. The lab gives students a hands-on approach to contract management. Topics include organization of the contract documents (contract, specifications, drawings, and addendum), control of the tendering process, revisions to the contract, measurement and payment, change orders, claims and disputes, documentation and administration of the contract and the role of the inspector. Not available for challenge or supplemental. Instruction (4.0). Equivalent to CON-140.

### **CON-1150 Codes, Details and Drawings 3 credits**

The structuring of the Alberta Building Code (accessing, interpreting and employing the content) is closely examined through study and practical exercise. The proper detailing of systems and assemblies are examined through sketch and label exercises and identification on the "as build drawings." The methodology and conventions employed in the drafting of project drawings are examined through a variety of blueprint reading and interpreting exercises. Not available for supplemental. Instruction (3.0). Equivalent to CON-150. Requisite courses: Take CAD-1155; (Required, Previous).

### **CON-1155 Managing the Construction Process • 3 credits**

This course examines the management principles and techniques as applied to effective on-site control of construction works. Transferable concepts include responsibilities, effective management and leadership, decision and actions, project planning, network scheduling techniques, setting objectives, measuring progress and monitoring costs, Total Quality Management, teamwork and partnering. Not available for supplemental. Instruction (4.0). Equivalent to CON-155.

# Course Descriptions CON 2209 - COR 2279

## **CON-2209 Business Management in Construction • 3 credits**

This course covers the fundamentals of business organizations and management in the construction industry. Topics may include conditions and requirements, legal structuring, corporate organization, policies and procedures, budgeting and accounting, cost control, contract documents and trade agreements, ACTS, claims, negotiations, bank and surety relationships, effective supervision and the directing of a profitable organization. Not available for supplemental. Instruction (3.0). Equivalent to CON-209.

## **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 Estimating 3 credits**

This course covers estimating types, uses and limitations, indecii, variables and modifiers. The course also covers the components of a detailed estimate, and the tendering process. Estimating software will be incorporated throughout the course. Not available for supplemental. Instruction (5.0). Equivalent to CON-255, CON-250, CON-217, CON-224. Requisite courses: Take CON-1140 and CON-1150; (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. 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).

## **(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**

This course covers the role that addictive substances and addiction plays within the correctional population. Drug recognition and the physiological effects of drugs and alcohol intoxication and the identification of symptoms of drug and alcohol intoxication and addiction are studied. The identification and management of offenders who are abusers or addicts of drugs or alcohol is 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

# Course Descriptions COR 2287 - COR 4471

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.

## **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.

# Course Descriptions COR 4472 - CSP 1140

## **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.

## **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-1150 Computers in Engineering Technology • 1.5 credits**

This course is an applied computer course focusing on the application of databases and spreadsheets to engineering applications and problems. Not available for supplemental. Instruction (2.0). Equivalent to CPU-150, CPU-152, ENF-148.

### **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-1165 Designing Spreadsheet Applications • 3 credits**

This course covers spreadsheet applications used to solve common business problems. A hands-on approach is used throughout and advanced topics include macros and spreadsheet integration with other software programs. Not available for supplemental. Instruction (3.0). Equivalent to CPU-165, BUS-266.

### **CPU-1190 Production Software II 1.5 credits**

This course covers the study and practice in advertising and editorial layout for the print media and advanced production technologies for radio. Instruction (2.0). Equivalent to CPU-190. Requisite courses: Take CAP-1171, CPU-1170 (Required, Previous).

### **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. Not eligible for Prior Learning Assessment. Instruction (3.0). Equivalent to CPU-253.

### **CPU-2254 Basic Desktop Publishing 3 credits**

This course will introduce learners to desktop publishing and apply it in the preparation of typical business pamphlets, brochures or similar documents. Not available for supplemental. Instruction (3.0). Equivalent to CPU-254.

### **CPU-2255 Introduction to Programming 3 credits**

This course is an introduction to programming for graphical software packages. Emphasis is on the creation of simple routines to build an understanding of the structure of languages and for application in survey data processing and graphical software packages. Not available for supplemental. Instruction (3.0). Equivalent to CPU-255.

### **CPU-2275 Advanced Programming 3 credits**

This course examines advanced concepts in programming for graphical software packages. Emphasis will be placed on more complex routines for automating data transfer from raw survey data to graphical software packages. Not available for supplemental. Instruction (4.0). Equivalent to CPU-275. Requisite courses: Take CPU-2255; (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.

# Course Descriptions CSP 1150 - CYC 1158

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-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 Service 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 student to all aspects of working in a professional kitchen. Focus is on paid industry placement of 480 hours or a minimum of 16 weeks at 30 hours per week. Not available for supplemental. Work Experience (). Equivalent to COC-1132, COC-132.

## **(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).

# Course Descriptions CYC 1163 - CYC 2269

## **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 (2.0), Tutorial (1.0). Equivalent to CYC-194. Requisite courses: Take CYC-1194T (Required, Concurrent).

## **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).

## **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.

# Course Descriptions CYC 2272 - DCM 1163

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.

### **DCE-2259 Intro to Conservation Law Investigations • 3 credits**

This course will provide an introduction to investigative techniques used in the conservation law enforcement field. Topics will include violation scene management, basic interview and interrogation skills, collection and preservation of evidence, and completion of paperwork involved with conservation law enforcement. Instruction (3.0), Lab (2.0). Equivalent to CEN-2269, DCE-259. Requisite courses: Take LAW-1161 CJP-3369; (Required, Previous). Take DCE-2259L (Required, Concurrent).

## **(DCM) DIGITAL COMMUNICATIONS AND MEDIA**

### **DCM-1150 Research and 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. 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).

# Course Descriptions DCM 1165 - DCE 4465

## **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).

## **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

# Course Descriptions DCM 2271 - DES 1156

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**

Developing an awareness of the relationships between image, type and graphic elements is critical to graphic design. In this course, you will use digital tools to explore methods of improving visual communication in interactive media. Instruction (4.0). Equivalent to DES-155, CMM-150.

### **DES-1156 Web Graphics, Layout and Interface Design • 3 credits**

Here you will extend and apply your ability to communicate visually into web page and site design, print layout, motion graphics, and designing for virtual reality and interactive environments. You will also explore the challenges of designing for the new generation of networked appliances, such as cell phones, pocket PCs and PDAs. Instruction (6.0). Equivalent to DES-156.

# Course Descriptions DEV 0001 - DRF 1165

## (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; 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-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-1153 Introduction to Drafting 3 credits**

This introductory course will develop basic skills in the use of manual drafting equipment and standard drafting practices. Topics include use of equipment, lettering, line work, geometric construction, orthographic projection, dimensioning and pictorial drawing. Not available for supplemental. Instruction (4.0). Equivalent to DRF-153, DRF-152.

### **DRF-1160 Mechanical Design & Drafting I • 3 credits**

This course is an introduction to mechanical drafting. It expands on the concepts introduced in DRF 1153 - Introduction to Drafting. Pictorial drawing and dimensioning is reviewed and a more in-depth study of these subjects is undertaken. New topics will include auxiliary views, manufacturing processes and section views. Not available for supplemental or challenge. Instruction (4.0). Equivalent to DRF-160, DRF-163. Requisite courses: Take CAD-1155, DRF-1153; (Required, Previous).

### **DRF-1165 Architectural Design & Drafting I • 3 credits**

An introduction to architectural drafting through the study of symbols and conventional practices used on residential blueprints. Design calculations and application of the Alberta Building Code are used extensively. The student will prepare a set of construction drawings for a single family residence, including a main floor plan, a foundation plan, a building section, and elevations. Not available for supplemental. Not eligible for Prior Learning Assessment. Instruction (5.0). Equivalent to DRF-165. Requisite courses: Take CAD-1155 and DRF-1153; (Required, Previous). Take CON-1133 (Required, Concurrent).

# Course Descriptions DRF 2244 - EAP 0096

## **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).

## **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 and Drafting II • 3 credits**

This course is a continuation of DRF 1160 - 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 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 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).

# Course Descriptions EAP 0097 - ECE 1181

## **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).

## **(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).

# Course Descriptions ECE 2251 - ECE 2270

## **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. Requisite courses: Take ECE-1155, PSY-1170; (Required, Previous).

## **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).

## **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 PSY-1171; (Required, Previous). 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-1162; (Required, Previous). 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-1162; (Required, Previous). 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. Requisite courses: Take ECE-1156, PSY-1171; (Required, Previous).

## **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. Requisite courses: Take COM-1162; (Required, Previous).

## **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.

# Course Descriptions ECE 2280 - EDU 2258

## **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 (). Equivalent to ECE-280. Requisite courses: Take ECE-1181, ECE-1154; (Required, Previous).

## **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 (). Equivalent to ECE-281. Requisite courses: Take ECE-2262, ECE-2264, ECE-2280. (Required, Previous).

## **(ECN) ECONOMICS**

### **ECN-1180 Microeconomics • 3 credits**

Microeconomics is the study of the decisions made by individual households, firms, and industries in the production and consumption of goods and services. It includes comprehensive coverage of supply and demand and the factors which impact these. Instruction (4.0). Equivalent to ECN-180, ECN-181.

### **ECN-2253 Macroeconomics • 3 credits**

Macroeconomics is an overview of economic life, considering the total size, shape and functioning of economic experience rather than the workings of individual firms. It includes topics of national 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.

## **(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-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-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.

# Course Descriptions EDU 2260 - ENG 0063

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 RSP-1155. (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-1135 Statics • 3 credits**

This introductory course deals with statics, the study of forces acting on structural members such as trusses and beams. It provides students with the fundamentals required for further study in structural design. It deals with applied physics and problem-solving. Topics to be covered include forces and their effects, resultants of coplanar force systems, equilibrium of coplanar force systems, analysis of structures, centre of gravity, moments of inertia and diagrams of shear force and bending moments. Not available for supplemental. Not eligible for Prior Learning Assessment. Instruction (4.0). Equivalent to ENF-135. Requisite courses: Take PHY-1143; (Required, Previous).

### **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-1155 Properties of Engineering Material • 3 credits**

This course will introduce students to various engineering materials, including plastics, concrete, wood and metals. Students will be provided with an understanding of the structure, behaviour, properties, processing and application of these materials. Laboratory work will be used to reinforce and supplement theoretical concepts. Not available for supplemental. Instruction (3.0), Lab (2.0). Equivalent to ENF-155. Requisite courses: Take ENF-1155L (Required, Concurrent).

### **ENF-1158 Soils • 3 credits**

This course is an introduction to soil mechanics. Topics include an overview of geological process and land formations as well as an introduction to the rock and mineral classification system. Students will also be introduced to the fundamental engineering concepts and calculations of index properties for the purposes of classification within the Unified System. Methods of conducting subsurface site investigations, compaction on earthen works, fundamentals of groundwater flow and drainage will also be discussed. Laboratory projects will be incorporated in the course to supplement the lecture material and to facilitate best management practices for quality control and assurance on various earth works projects. Not available for supplemental. Not eligible for Prior Learning Assessment. Instruction (2.0), Lab (2.0). Equivalent to ENF-158, ENF-157. Requisite courses: Take ENF-1158L (Required, Concurrent).

### **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-161. Requisite courses: Take MTH-1149; (Required, Previous). Take ENF-1161L (Required, Concurrent).

### **ENF-1168 Construction Materials 3 credits**

This course covers the fundamentals of concrete and hot mix asphalt materials as they relate to the civil engineering industry. 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. Other topics to be discussed include methods of mix design procedures, transportation, inspection, and placement of finished materials as well as road maintenance management. Not available for supplemental. Not eligible for Prior Learning Assessment. Instruction (2.0), Lab (2.0). Equivalent to ENF-168. Requisite courses: Take ENF-1158 and ENF-1168L (Required, Concurrent).

## **(ENG) ENGLISH**

### **ENG-0063 English Basics • 5 credits**

This integrated language skills course is designed to develop the writing and reading skills required for workforce literacy and/or further course work in the College and University Preparation program. The course will focus on reading a variety of employment related text, completing various writing assignments, and correcting errors in basic grammar, spelling, and punctuation. Not available for supplemental. Instruction (5.0). Equivalent to ENG-063.

# Course Descriptions ENG 0070 - ENG 1168

## **ENG-0070 English 0070 • 5 credits**

The main focus of this course is on writing effective paragraphs and essays by studying writing techniques, sentence structure, grammar and mechanics using a variety of print and non-print media. Not available for supplemental. Instruction (5.0). Equivalent to ENG-070.

## **ENG-0080 English 0080 • 5 credits**

The focus of this course is on the skills required to write effective essays. Students will have the opportunity to use different print and non-print materials to increase their skills in writing clear, accurate, and effective ideas in a variety of essay types, including a research essay. Not available for supplemental. This course requires ENG-070 or equivalent. Instruction (5.0). Equivalent to ENG-080.

## **ENG-0085 English 0085 • 5 credits**

This course is an introduction to the study of literature: poetry, fiction and drama. The course is strongly literature oriented with language activities growing out of the literary selections studied. Not available for supplemental. Instruction (5.0). Equivalent to ENG-085.

## **ENG-0090 English 0090 • 5 credits**

This course enables students to achieve the writing requirements for entrance to many post-secondary programs. The focus of the course is on revising and editing to clearly and effectively express ideas in a variety of academic and practical writing tasks, including a major research paper. Students will use a variety of print and non-print media as a basis for writing. Not available for supplemental. This course requires ENG-0080 or ENG-0085, or equivalent. Instruction (5.0). Equivalent to ENG-090.

## **ENG-0095 English 0095 • 5 credits**

This course covers practice in writing short essays (750 words), and in analyzing and interpreting poetry, the short story, the modern play, the Shakespearean play and/or the novel. Personal evaluation and criticism are encouraged. Not available for supplemental. This course requires ENG-0085 or ENG-0090 or equivalents. Instruction (5.0). Equivalent to ENG-095.

## **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. Requisite courses: Take BIO-1163 (Required, Previous or 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.

## **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).

# Course Descriptions ENG 1175 - ENG 2290

## **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-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 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, CMM 2295: 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).

# Course Descriptions ENV 2255 - ENV 3383

## (ENV) ENVIRONMENTAL SCIENCES

### **ENV-2255 Land Use Practices 3 credits**

This course examines the common practices of the following land uses in Canada: agriculture, forest resource extraction, oil and natural gas extraction, mining and recreation. Students learn about the impacts these practices have had on the natural resources and the modern efforts to reduce the impacts, conserve the resources, strive toward sustainable development and remedy the deleterious effects of natural resource development in Canada. Students also learn about the principles of multiple land use practices and the successful application of same in Canada. The provincial and federal legislations that govern, control and influence those land use practices also constitute part of the course. Not available for supplemental. Instruction (3.0). Equivalent to ENV-255, ENV-250.

### **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-2275 Environmental Sampling & Forensics • 3 credits**

This course involves the proper collection, preservation and handling of environmental samples that are used to support the enforcement of environmental regulations. Crime scene security, quality assurance, quality control and the continuity of evidence are included in the course. Various methods of assessment will be used to analyse biological, physical and chemical samples. Not available for supplemental. Instruction (3.0), Lab (2.0). Equivalent to ENV-275. Requisite courses: Take ENV-2275L (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 ENV-2280L (Required, Concurrent).

### **ENV-2290 Site Restoration & Reclamation • 3 credits**

This course will discuss preventative and control methods associated with the operational phases of resource projects such as mining and logging, including road drainage design. 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 ENV-2290L (Required, Concurrent).

### **ENV-2297 Environmental Impact Assessment • 3 credits**

This course is an introduction to the environmental impact assessment (EIA) and auditing processes in Canada. Topics include the history of EIAs and audits and the relevant legislation from several provinces and the federal government. The methods and techniques used to collect data to undertake EIAs and audits are included in the laboratory component in the course. Not available for supplemental. Instruction (3.0), Lab (1.0). Equivalent to ENV-297. Requisite courses: Take ENV-2297L (Required, Concurrent).

### **ENV-3350 Integrated Resource Management • 3 credits**

Integrated resource management requires an adaptive, coordinated, interagency approach to comprehensive environmental and resource management. It requires public participation and shared decision-making to promote balance. This course examines the complex and often competing uses of natural resources. It will involve the basic concepts of IRM, sustainable development, public process, resource planning structure, and alternative

dispute resolution. This section will involve a resource-based research project and presentation. Students will select any management area that demonstrates the concepts of IRM and SD, research the area with respect to resource uses, examine issues and conflicts and management processes or mechanisms used to achieve balanced management in that area. Instruction (3.0). Equivalent to ENV-350.

### **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-3370 Research & Experimental Design • 3 credits**

This course will introduce students to the concepts and components of research planning and experimental design as it applies to resource management. Students will incorporate data collection techniques into the scientific process to organize, conduct and report proper results. The course will focus on sampling design as it pertains to the field of resource management, and the reporting of properly tested data. Instruction (3.0). Equivalent to ENV-370. Requisite courses: Take STS-2255; (Required, Previous).

### **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). 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

# Course Descriptions ENV 3397 - ESL 0065

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).  
Requisite courses: Take ENV-3397L. (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).

### **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).

# Course Descriptions ESL 0066 - ETS 1151

## **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).

## **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.

# Course Descriptions FAD 1150 - FAS 1172

## **(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.

### **FAS-1151 Prevention of FASD 1.5 credits**

This course examines various levels and aspects of prevention of Fetal Alcohol Spectrum Disorder. A brief overview of alcohol addiction will be conducted. Examination of regional, provincial and national initiatives will be undertaken as well as a reflection on the professional roles the practitioner can take in the prevention of this disorder. Not available for supplemental. Instruction (1.0). Equivalent to FAS-151. Requisite courses: Take FAS-1150; (Required, Previous).

### **FAS-1152 Brain Function and FASD 3 credits**

An introduction to the challenges faced by individuals affected by prenatal alcohol exposure, their families, support workers, and the community. Topics include terminology, assessment/diagnostic processes, and primary and secondary characteristics as they present across the lifespan. Emphasis is on components and functions of the brain and the impact of prenatal alcohol exposure on attention, memory, cognition, language, sensory perception, social emotional behaviours and impulsivity. Not available for supplemental. Instruction (3.0).

### **FAS-1153 Community Systems & FASD 3 credits**

An examination of the various types of prevention and intervention initiatives at the regional, provincial and national levels. Emphasis is on strategies that create holistic community supports including those that address safety issues, sexuality, abuse and interactions with the legal/justice systems. Not available for supplemental. Instruction (3.0).

### **FAS-1154 Case Management with FASD 1.5 credits**

Students will be introduced to strategies for effective planning and creating supports needed by individuals living with FASD. Case management factors across community systems, evaluation processes and the development of intervention/support plans from a multi-disciplinary team perspective will be covered. Emphasis will be placed on advocating for the establishment of natural and life-long supports for children, youth and adults with FASD. Not available for supplemental. Instruction (2.0). Equivalent to FAS-154. Requisite courses: Take FAS-1155; (Required, Previous).

### **FAS-1155 Support Strategies for FASD 3 credits**

Builds on existing knowledge of FASD. The results of formal and informal assessments across domains identify challenges and capabilities for the creation of person-centered supports for individuals, their family and/or support members. Emphasis is placed on using a lifespan approach within a community context. Critical thinking skills are used to explore trends and issues surrounding intervention practices in respect to the primary disability and secondary adverse outcomes. Not available for supplemental. Instruction (3.0). Equivalent to FAS-155. Requisite courses: Take FAS-1150 or FAS-1152. (Required, Previous).

### **FAS-1156 Brain and Behaviour 1.5 credits**

This course presents information on the components and functioning of the human brain. The development of brain functioning considers the effects of prenatal alcohol exposure. The resulting impairment is examined in relation to specific behavior patterns that are often associated with FASD. Students will also examine the impact of prenatal alcohol exposure on various developmental areas that affect attention, memory, cognition, language, sensory perception, social emotional behaviours and impulsivity. Not available for supplemental. Instruction (2.0). Equivalent to FAS-156. Requisite courses: Take FAS-1150; (Required, Previous).

### **FAS-1166 Practicum I • 1.5 credits**

This course is the first practicum experience for Fetal Alcohol Spectrum Disorder Education students. In this supervised practicum placement, students will have an opportunity to interact with children, adults and/or families affected by Fetal Alcohol Spectrum Disorder. During this practicum, students will develop an awareness of the supports available to those living with FASD. Students will demonstrate skills in understanding diagnosis, brain functioning and behaviour and will begin to utilize various intervention strategies. Not available for supplemental. Work Experience (.). Equivalent to FAS-166, FAS-165. Requisite courses: Take FAS-1150 and FAS-1155; (Required, Previous).

### **FAS-1172 Practicum II • 3 credits**

An exploration of case management strategies for effective planning and advocating for natural and lifelong supports needed by individuals affected by FASD. Course work is applied in a supervised practicum placement. Expectations include skills in observation, assessment, behavioural support, evaluation, development of intervention/support plans from a multi-disciplinary team perspective, prevention and family support and connecting persons to supports in the community. Not available for supplemental. Not eligible for Prior Learning Assessment. Work Experience (.). Requisite courses: Take HSP-1165. (Required, Previous).

# Course Descriptions FAS 1176 - FSP 1164

## **FAS-1176 Practicum II • 1.5 credits**

This course provides students with the opportunity to progressively demonstrate skills in the area of observation, assessment, behavioral support, prevention and family support. Students will focus on understanding case management and connecting the persons supported to supports in the community. Students are expected to successfully demonstrate effective and appropriate intervention strategies. Placements may occur within disability services, the education system, early intervention, addictions, advocacy, health or justice. Not available for supplemental. Not eligible for Prior Learning Assessment. Work Experience (.). Equivalent to FAS-176. Requisite courses: Take FAS-1166 and FAS-1156; (Required, Previous).

## **(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).

### **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).

# Course Descriptions FSP 1170 - FSP 2262

## **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. 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).

# Course Descriptions FSP 2263 - FWK 2262

## **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**

This course is an on-the-job learning experience for students, designed to encourage them to recognize and describe (in a report) the link between their work experience and their academic training. Field Work affords students the opportunity to become involved in a chosen work experience which utilizes the knowledge and skills they are currently acquiring at the college and receive academic credit for it. Students presently enrolled in the Business Administration Program who have already acquired relevant and appropriate experience related to their career goals and the program may receive credit for Field 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.

### **FWK-2253 Managed Internship 3 credits**

Throughout your program, you've been learning about industry standards, professional practices and real world problem-solving, and now you want a taste! The internship is designed to give you that exposure to the workplace, while providing support and mentoring, and helping you integrate 120 hours of workplace learning with the theoretical and applied learning in your final semester course work. 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.

# Course Descriptions FWK 2272 - GEO 2256

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-1150 Geographical Science 3 credits**

This course will focus on the study of the physical Earth as it relates to the recognition of landforms, vegetation, water, soils and human features on the Earth's surface. It will also introduce the use of remote sensing in the identification of these features. Not available for supplemental. Instruction (3.0), Lab (2.0). Equivalent to GEO-150. Requisite courses: Take GEO-1150L (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-1160 Map Interpretation • 3 credits**

This course covers the fundamentals of topographic maps for the purposes of portraying, interpreting and measuring map data. Such topics as map projection

methods, map reference grids, map location grids, interpretation of topographic features, map symbology and marginal map information will be discussed and applied. Not available for supplemental. Instruction (3.0). Equivalent to GEO-160. Requisite courses: Take GEO-1150 (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-1196; (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, Concurrent).

### **GEO-1170 Remote Sensing • 3 credits**

This course covers the use of aerial photographs for the identification and interpretation of landforms and features. A full range of data products will be used including black and white, colour and infrared photos and various satellite imagery. In addition, basic photogrammetric principles will be discussed and applied. Not available for supplemental. Instruction (3.0). Equivalent to GEO-170. Requisite courses: Take GEO-1150 (Required, Concurrent).

### **GEO-1182 Geodesy • 3 credits**

This course will study the concepts and methods concerned with the determination of the size and shape of the Earth and the exact positions of points on its surface. Topics of discussion include horizontal and vertical datum, gravitation and centrifugal forces, measurements of gravity and reduction of gravity, gravity anomalies,

separation of the geoid and ellipsoid, deflection of the vertical; orthometric and dynamic heights. Calculations and conversion techniques for geodetic applications will be examined. Students will also develop a procedure to collect, analyze and utilize geodetic data for survey/geomatics applications. Not available for supplemental. Instruction (3.0). Equivalent to GEO-182, GEO-180, GEO-270. Requisite courses: Take GEO-1160, GEO-1170 and SUR-1162 (Required, Concurrent).

### **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).

# Course Descriptions GEO 2260 - HCA 1111

## **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-2276 Advanced GIS • 3 credits**

This course reviews and expands upon the principles of GIS covered in the introductory GIS course (GEO-1165) and introduces the new topics of data quality assessment, GIS development and implementation, advanced analysis techniques, environmental modeling and specialized environmental applications. The weekly labs support these topics and prepare the students for the final project, an environmental analysis project of their own creation using the ArcGIS program and its extensions. Not available for supplemental. Instruction (2.0), Lab (2.0). Equivalent to GEO-276. Requisite courses: Take GEO-1165; (Required, Previous). Take GEO-2276L (Required, Concurrent).

## **GEO-2280 Advanced GIS Systems 3 credits**

This course is an advanced applications course, incorporating 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. This course is not available for supplemental. Instruction (5.0). Equivalent to GEO-280. Requisite courses: Take CON-1155 GEO-2255; (Required, Previous).

## **GEO-2290 Advanced Digital Remote Sensing • 3 credits**

An exploration into digital image analysis of aerial and satellite data for earth observation and studies of environmental and land use change at a variety of spatial scales. Topics will include data integration, classification, and predictive modeling. 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-1170; (Required, Previous).

## **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).

## **(HCA) HEALTH CARE AIDE**

### **HCA-1101 Safe Work Practices 1.5 credits**

In this course, students will learn to identify, manage and prevent environmental hazards. Students will also understand how to provide safe care for clients, themselves, and others. In addition, they will learn how to function effectively as a team member. Instruction (3.0), Lab (1.0). Equivalent to HCA-1112, HCA-101. Requisite courses: Take HCA-1101L (Required, Concurrent).

### **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-1106 Working in Health Care 3 credits**

Students will focus on how to share information in a safe, ethical and respectful manner based on the needs of their clients. The purpose of the client's chart and the information listed inside it will be examined, as well as the legislated acts that affect both the client and the health-care worker. The concepts of conflict, criticism and constructive feedback will be explored. Speech and language disorders will be covered with an emphasis on communication aids and strategies to promote the helping relationship with clients. Instruction (2.0), Lab (1.0). Equivalent to HCA-1113, HCA-106. Requisite courses: Take HCA-1106L (Required, Concurrent).

## **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-1109 Clients With Complex Care 1.5 credits**

In this course, students will learn strategies for assisting diverse client groups. Students will also become familiar with the types of nasogastric and gastrostomy tube feeds and client conditions that require drainage. Students will learn about vital signs and become acquainted with the equipment used to measure them. Collection, transportation, and handling specimens will also be addressed. Instruction (1.0), Lab (2.0). Equivalent to HCA-1114, HCA-109. Requisite courses: Take HCA-1109L (Required, Concurrent).

## **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).

# Course Descriptions HCA 1112 - HSP 1160

## **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 Frances, 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).

## **(HSP) HUMAN SERVICE PRACTICE**

### **HSP-1125 Medication Administration**

#### **1.5 credits**

This course is an introduction to the fundamental knowledge and skills required of paraprofessionals to safely administer medications to individuals receiving services in non-medical community programs. The rights of medication administration, value and expectations of documentation, and procedure for administering oral, PRN, eye, skin, ear, and nose medications, inhalers, suppositories, and enemas will be covered. Case scenarios will require students to problem-

solve, identifying appropriate responses, documentation and follow-up actions. While this is not a pharmacology course, students will gain an understanding of the types of medication packaging and common medication administration abbreviations and become familiar with common drug classifications. Not available for supplemental. Instruction (1.0). Equivalent to HSP-125, RSP-125.

### **HSP-1150 Foundations of Human Services • 1.5 credits**

This course explores the roles and responsibilities of the human service worker in a variety of helping professions. Topics will include ethical decision making practices, advocacy for vulnerable populations, legal and human rights, and the importance of respectful interactions. Learners will discuss how their personal values and beliefs affect professional relationships. Not available for supplemental. Instruction (2.0). Equivalent to HSP-150.

### **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-1153 Foundations of Community Inclusion • 3 credits**

A study of how personal values and beliefs affect attitudes towards, and interactions with, individuals of differing abilities and/or cultural backgrounds. Current service delivery models are discussed by reviewing historical influences, political, legislative and sociocultural factors. Topics include respectful language, legal and human rights, advocacy, community inclusion, multi-cultural diversity, ethical decision making practices and professionalism in the human services. Not available for supplemental. Instruction (3.0).

### **HSP-1160 Community Linkages**

#### **1.5 credits**

The focus of this course is to explore the wide range of community agencies and support services available to individuals with disabilities and their families. The role of the support worker in advocating for individuals is emphasized, as is the importance of building the community's capacity to support people throughout their lifespan. Not available for supplemental. Instruction (1.0). Equivalent to HSP-160.

# Course Descriptions HSP 1165 - HUM 1165

## **HSP-1165 Practicum I • 3 credits**

The analysis of a wide range of community agencies and support services available to individuals with FASD/disabilities and their families. Considers the role of the support worker as an advocate for building community capacity. Course work is applied in a supervised practicum placement. Expectations include interacting with individuals and/or their families in a respectful manner, understanding diagnosis and assessment processes, describing intervention strategies, recording observations and providing basic support. Not available for supplemental. Work Experience ().

## **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-1131 Unit Clerk Practicum 1.5 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. Grading: CR/NCR. Work Experience (). Equivalent to HTH-131. Requisite courses: Take COM-1162, CPU-1151, CSP-1150, ENG-1142, HTH-1121, HTH-1125, HTH-1141. (Required, Previous).

## **HTH-1141 Health Care Billing 1.5 credits**

This course covers the information required for Unit Clerks to work in a medical office environment. Topics covered include basic Alberta Health Care billing, third party and direct billing, business functions related to the medical office, booking and scheduling, and a look at the different branches of medicine and related specialties. Not available for supplemental. Not eligible for Prior Learning Assessment. Instruction (2.0). Equivalent to HTH-141.

## **HTH-2250 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-250.

## **(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**

HUM-1165 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.

# Course Descriptions HUM 1180 - HUM 2291

## **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.

## **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 HUM-1155, HUM-1190, HUM-1195, ENG-1150, ENG-1165, or ENG-1190; (Required, Previous).

# Course Descriptions HUM 2295 - IDM 2270

## **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).

## **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).

## **(IDM) INTERIOR DESIGN**

### **IDM-1150 History of Interiors • 3 credits**

This course is a historical survey of Western art, architecture and interior environments considered in the setting of physical, socio-economic, political and cultural environments. Not available for supplemental. Instruction (3.0). Equivalent to IDM-150.

### **IDM-1155 Intro to Interior Design 3 credits**

The broad aims of the course will be to expose students to a series of design topics, concerns and issues as they relate to human behaviour and to develop design assessment and awareness. Not available for supplemental. Instruction (3.0). Equivalent to IDM-155.

### **IDM-1158 Representations I • 3 credits**

This course introduces drawing as a means of communication. Focus is on the development of freehand skills with various media. Students will gain sensitivity and expertise with line, play of light, shade and shadow, proportion and basic perspective. Not available for supplemental. Instruction (6.0). Equivalent to IDM-158, IDM-154.

### **IDM-1159 Representations II • 3 credits**

The skills introduced in Representation I will be further developed, practiced and refined, with particular emphasis on the application of drawing representation as a communications skill, integral to the design process. Other appropriate media will be introduced. Not available for supplemental. Instruction (3.0). Equivalent to IDM-159, IDM-156. Requisite courses: Take IDM-1158; (Required, Previous).

### **IDM-1167 Interior Detailing I • 3 credits**

This course is an introduction to manual drafting. It covers the detailing of components relating to buildings and their furnishings, with projects focusing on the development of working drawings and related documents. Not available for supplemental. Instruction (6.0). Equivalent to IDM-167, IDM-166.

### **IDM-1170 Colour, Materials and Lighting 3 credits**

This course is an in-depth study of colour theory and application as it relates to interior design. Topics include technical information, psychological and behavioural aspects, and application of textiles for residential and commercial use, lighting as an integral part of the design process, principles of vision, perception, and lighting, technical aspects of light sources and fixtures, psychological effects of lighting. The interrelationships between colour, textiles, and lighting will be studied. Not available for supplemental. Instruction (3.0). Equivalent to IDM-170.

### **IDM-1179 Design Fundamentals 3 credits**

This course is an introduction to the elements, principles and processes of design and two- and three-dimensional problem-solving necessary to understand the design of human environments. Not available for supplemental. Instruction (6.0). Equivalent to IDM-179.

### **IDM-1181 Design Studio I • 3 credits**

Students will be introduced to and learn to apply residential design theory through practical projects utilizing basic design problem-solving processes which include consideration of the physical, functional and psychological needs of various inhabitants. Not available for supplemental. Instruction (6.0). Equivalent to IDM-181, IDM-180. Requisite courses: Take IDM-1179; (Required, Previous).

### **IDM-1190 E-Tools for Interior Design I 3 credits**

In this course, students will be introduced to and become proficient with various software used throughout interior design practice. Emphasis will be on AutoCAD, software for millwork design and software from leading design manufacturers. Not available for supplemental. Instruction (6.0). Equivalent to IDM-190.

### **IDM-2255 Materials and Finishes 3 credits**

Students will gain an overview of interior materials, elements, finishes and finishing techniques. 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**

This course covers the design and detailing of components for commercial interiors (i.e. restaurants, offices and retail environments) with projects related to Design Studios II, III, and IV. 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 ( ). 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).

# Course Descriptions IDM 2271 - IRR 1152

## **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-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 Design Studio IV • 6 credits**

This course is an examination of functional requirements and aesthetic considerations in designing retail and/or hospitality environments. It involves planning and designing a retail or hotel/resort environment or the like, from programming to presentation drawings, based on a specified client profile. Not available for supplemental. Instruction (6.0). Equivalent to IDM-287, IDM-284. Requisite courses: Take IDM-1179, IDM-2285; (Required, Previous).

## **IDM-2290 E-Tools for Interior Design II 3 credits**

This course continues from and builds on software skills acquired in E-Tools for Interior Design I. Emphasis will be on three-dimensional drawing, modeling, and rendering of interior spaces and components. 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**

This course is an opportunity for students to conduct research regarding a topic related to their program or proposed career and to write a comprehensive paper summarizing their findings. Students must develop an outline of the project they wish to undertake prior to conducting the research. Not available for supplemental. Independent Study (). Equivalent to IND-251.

### **IND-2252 Independent Study 1.5 credits**

This course is an opportunity for students to conduct research regarding a topic related to their program or proposed career and to write a comprehensive paper summarizing their findings. Students must develop an outline of the project they wish to undertake prior to conducting the research. 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.

# Course Descriptions IRR 2252 - JUS 4453

## **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**

Learners taking this course will prepare for, and participate in, a study tour. The learner will have the opportunity to enhance research and presentation skills, obtain or improve upon their awareness of world cultures, and gain a greater knowledge of many aspects of international business in the global marketplace. (As the program offering the course will set screening criteria, only eligible students will be permitted to enrol.) 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).

### **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-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.

# Course Descriptions JUS 4454 - JUS 4484

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).

## **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-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).

# Course Descriptions KEY 1139 - LAW 1180

## (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.

### **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).

### **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 Recognizance 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. Prerequisite 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,

# Course Descriptions LAW 1191 - MAS 2250

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. 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).

## **LAW-2265 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-1150, LAW-265.

## **(MAS) MESSAGE THERAPY**

### **MAS-1122 Practicum I • 1.5 credits**

This course reinforces the basic information taught in massage theory classes. The in-house 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. Work Experience (I). Equivalent to MAS-122.

### **MAS-1123 Practicum II • 1.5 credits**

This course reinforces the basic information gathered and builds upon the basics. Students will learn correct terminology, identify musculature and locate skeletal landmarks. Knowledge will show assessments and treatment while rendering services to the general public. Students develop skills in pathology, anatomy and physiology, while utilizing advanced techniques in massage. Work Experience (I). Equivalent to MAS-123. Requisite courses: Take MAS-1122; (Required, Previous).

### **MAS-1130 Pathology • 3 credits**

This course provides students with the understanding of pathology as it relates to basic structure and functioning of body systems. 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. Instruction (3.0). Equivalent to MAS-130. Requisite courses: Take BIO-1145; (Required, Previous).

## **MAS-1140 Basic Massage • 3 credits**

This course introduces students to practical massage techniques and theory. It includes physiological, psychological and mechanical effects of massage, indications and contraindications and 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-1145 (Required, Concurrent).

## **MAS-1156 Sports Massage • 3 credits**

An exploration of the theory and practice of sports massage, including its history and the role of the sports massage therapist. Topics include the indications and contraindications to different sports, specific techniques, positioning, and pre and post event massage. Instruction (1.5), Lab (2.5). Equivalent to MAS-156, MAS-256. Requisite courses: Take BIO-1145. (Required, Previous). Take MAS-1156L and BIO-1146 (Required, Concurrent).

## **MAS-1157 Massage Techniques I 3 credits**

This course focuses on exposing the student to a variety of therapeutic techniques that treat deep tissue pathologies. Various advanced techniques including neuromuscular therapy, 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**

This course reviews the basics and moves on to explore greater depth of massage treatment techniques and advanced strokes dealing with acute to chronic pathologies. It involves hands-on practice. Instruction (1.0), Lab (3.0). Equivalent to MAS-250, MAS-145. Requisite courses: Take MAS-1140; (Required, Previous). Take MAS-2250L (Required, Concurrent).

# Course Descriptions MAS 2252 - MGT 2269

## **MAS-2252 Contemporary Practices of Massage • 3 credits**

Students will develop an understanding of and broaden their knowledge of issues such as professionalism, boundaries, communication with clients and allied health disciplines, healthy work environments versus unhealthy work environments, ethics, informed consent and other contemporary issues massage therapists face in today's competitive marketplace. Instruction (3.0). Equivalent to MAS-252, MAS-144.

## **MAS-2253 Assessment for Massage I • 3 credits**

Instruction will be given to equip students with the skills to effectively interview a client and perform a basic physical assessment. Students will learn gait, palpation, joint, nerve and muscle testing assessment techniques. Pathologies will be assessed, contraindications will be addressed, as well as the special tests for each part of the body. This course will deal with the lower extremities of the body: foot and ankle, lower leg, knee, hip and lumbar spine. 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).

## **MAS-2254 Special Populations I • 3 credits**

Special Populations I is designed to begin integrating complex dysfunctions and pathologies students will encounter in their practices with appropriate treatment protocols. The special populations covered will be either pathology based (for example, asthma) or mechanically based (for example, hyperlordosis), and each module will take 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. Body mechanics and massage techniques used in these situations will be covered. 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**

In this practicum, the individual will demonstrate skills, competency and confidence in contraindications, communications and self-care, as well as assessments and the treatment thereof. Practicum placement off-site will take place here, as will many community-based events. Work Experience (). Equivalent to MAS-255, MAS-124. Requisite courses: Take MAS-1123; (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**

This course will continue and build upon the skills acquired in Assessment for Massage I. Students will review the orthopedic assessment procedures and then focus on the upper extremities. This will include assessment and care/treatment plans of the wrist and hand, elbow, shoulder and cervical spine. 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**

In this final practicum, students will apply therapeutic massage techniques to clients in a clinical setting and will present assessment data and treatment plans for individual clients. Practicum placement and community-based events will take place. Work Experience (). Equivalent to MAS-259. Requisite courses: Take MAS-2255; (Required, Previous).

## **MAS-2260 Special Populations II • 3 credits**

This course continues where Special Populations I left off. More complex pathologies will be covered 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**

This course involves lecture/seminars of a specialized nature as it relates to the field of massage. It may include such topics as reflexology, sports and craniosacral therapy. Instruction (1.0). Equivalent to MAS-261, MAS-149.

## **(MGT) MANAGEMENT**

### **MGT-2251 Events & Conference Management • 3 credits**

This is a course in events and conference management including planning, meetings, trade show exhibits, special events, development of marketing plans, organization of convention sales, selling to associations, corporations and other markets. Advertising, negotiations and contracts, admission systems and other services as well as convention billing and post convention review will be covered. Instruction (4.0). Equivalent to MGT-251.

### **MGT-2265 Broadcast Management Issues • 3 credits**

This course is a practical approach to the legal, regulatory and management issues involved in radio and television operations. Topics include Canadian legal pitfalls such as defamation, contempt, privacy, copyright and censorship relevant to broadcasting. The course will also deal with labour and regulatory concerns as well as practical management issues that relate to personnel and other administrative functions. Not available for supplemental. Instruction (2.0). Equivalent to MGT-265, CAP-269.

### **MGT-2269 Management Issues in Advertising/PR • 3 credits**

This course investigates the variety of duties required of today's managers in the public relations and advertising industries. It offers an overview of management issues including budgeting, position descriptions, staff motivation, production of annual reports and prospecti, government

# Course Descriptions MGT 3370 - MKT 2279

lobbying, fundraising, volunteer management, entrepreneurship and visionary leadership. Students will develop an annual report, prepare a fundraising strategy and organize office staff and strategies according to institutional goals. Not available for supplemental. Instruction (5.0). Equivalent to MGT-269. Requisite courses: Take CAP-2262; (Required, Previous).

## **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.

## **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**

This course covers the nature and scope of marketing management's role in the economy, marketing research, consumer motivation, behaviour and buying patterns, the industrial market, product planning and development, the distribution channels (emphasis on retailers and wholesalers), the price system, personal selling and advertising. The case study method is used to analyse the problems and concepts concerned with the distribution of goods from producers to consumers. Student knowledge is applied to a practical analysis of case material. Instruction (5.0). Equivalent to MKT-188.

## **MKT-2250 Advertising - Essentials 3 credits**

This course examines advertising, including the vocabulary to produce, create, and write advertising; using advertising visual elements; a small and large business use of advertising using specialized media, marketing and advertising research. Not available for supplemental. Instruction (3.0). Equivalent to MKT-250, BIS-104.

## **MKT-2260 International Marketing 3 credits**

This course is an understanding of marketing strategy from a multinational or international point of view, focusing on the world as the potential marketplace rather than local or domestic economy. Foreign nations are viewed both as sources of new potential sales and as sources of competition in the domestic market. The same basic marketing inputs and strategies can be used as successfully in widely different markets, provided they are adjusted in terms of environmental and cultural differences. The course broadly covers the environment for international marketing, marketing tools in international marketing, and building international marketing strategy. Topics such as free trade versus protectionism and trade with Pacific Rim countries are discussed. Instruction (3.0). Equivalent to MKT-260. Requisite courses: Take MKT-1188; (Required, Previous).

## **MKT-2275 E-Commerce • 3 credits**

Learners taking this course will discover, analyse and evaluate the electronic commerce methods used by businesses. The course will take a marketing perspective and examine the Internet as a tool for managers/owners. The evolution of the Internet will be studied as a method of forecasting future changes. The course will be centred around discussing e-commerce strategies for marketing, sales, communication, purchasing, logistics and support activities. Students will have access to the Internet for learning and assignment purposes, but there will not be technical computer lab instruction. Not available for supplemental. Instruction (3.0). Equivalent to MKT-275. Requisite courses: Take MKT-1188; (Required, Previous).

## **MKT-2277 Merchandise Administration 3 credits**

This course analyses the Canadian retail market by classifying retail structures, considering its idiosyncrasies and understanding the retail customer. Students are prompted to develop a retail strategy following a strategic planning process that can be applied to a retail location decision, how store space should be designed, and optimum ways to present merchandise for sale, including inventory management, pricing, selling, and customer service. Instruction (5.0). Equivalent to MKT-277. Requisite courses: Take MKT-1188; (Required, Previous).

## **MKT-2279 Applied Sales • 3 credits**

This course covers the ability to handle people, which is the basis of leadership. The course covers the universal application of the principle of selling - the art of persuasion and the management of people - even for those who never expect to enter the field of sales. The course uses 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).

# Course Descriptions MKT 2281 - MTH 1130

## **MKT-2281 Marketing Logistics 3 credits**

This course covers aspects of inventory, warehousing, transportation, purchasing, packaging, and materials handling all within a framework of the marketing decisions in these areas necessary to enhance customer service in supply chain management. Field studies are utilized to provide practical examples of how these things really work. Not available for supplemental. Instruction (3.0). Equivalent to MKT-281. Requisite courses: Take MKT-1188; (Required, Previous).

## **MKT-2283 Advertising • 3 credits**

This course covers advertising as an integral element of the marketing mix. Topics of study include the media, their particular advantages and limitations to the advertiser, the 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**

This course covers the strategy and tactics of marketing and other aspects of planning, organization and control. The theoretical approach of the course supplements the actual application of marketing management to case studies and a decision-making game. It pulls together many of the elements covered throughout the Marketing major, 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**

This course covers the basic research concepts and stages in the research process and how they relate to decisions about conducting specific projects. Students conduct hands-on research studies for a variety of projects, giving practical experience in designing surveys, conducting focus groups, observation research, interview research and Internet research. Projects vary from term to term as available. 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.

### **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 • 5 credits**

This course covers preparation for introductory algebra and includes solution of simple linear equations and inequalities, basic manipulation with exponents. Instruction (5.0). Equivalent to MTH-060.

### **MTH-0075 Mathematics • 5 credits**

This course requires a minimum score of 60 percent in MTH-0060 or 0070 or equivalent or placement testing. Studies cover the basic techniques of algebra from operations on rational numbers through

equations and inequalities, factoring and algebraic fractions. It includes basic geometry and trigonometry. Instruction (5.0). Equivalent to MTH-075.

### **MTH-0085 Mathematics • 5 credits**

This course requires a minimum score of 60 percent in MTH-0075 or 0080 or equivalent or placement testing. This course is 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. Instruction (5.0). Equivalent to MTH-085.

### **MTH-0092 Mathematics • 5 credits**

Topics include: fundamental algebra review, combinations, permutations, probability, rational expressions and equations, polynomial, exponential, logarithmic and sinusoidal functions. Instruction (5.0). Equivalent to MTH-092.

### **MTH-0095 Mathematics • 5 credits**

This course requires a minimum grade of C in MTH-0085 or successful completion of MTH-0092 or equivalent, or placement testing. Topics include functions; transformations; polynomial, exponential, logarithmic, and trigonometric functions and analysis; sequences, series and combinations. Instruction (5.0). Equivalent to MTH-095.

### **MTH-0097 Introduction to Calculus 5 credits**

This course is 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. Recent successful completion of MTH-0095, or MTH 30 (Pure), or equivalent is required. 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.

# Course Descriptions MTH 1141 - NSG 1155

## **MTH-1141 Math for Health Sciences 3 credits**

This course is specifically for pre-assessed students intending to enter a program within the Centre for Health Justice and Human Services at Lethbridge College. It will provide students with a multidimensional, contextual learning experience for acquisition of pre-requisite content and skills in mathematics including concepts, terms, expressions, applications, equation, and problem-solving. Successful completion to the standard set by the program(s) pre-requisite requirement will provide opportunity for entry into the identified program(s) in the Centre for Health Justice and Human Services. Instruction (5.0). Equivalent to MTH-141.

## **MTH-1145 Mathematical Transitions 3 credits**

This course is specifically for pre-assessed students intending to enter a program within the Centre for Applied Management or the Centre for Agriculture, Trades & Technologies. This transitional course is focused on the review and development of specific Math 30 Pure and Math 30 Applied concepts and skills required for success in each of the identified program areas. Successful completion to the standards set by the program(s) pre-requisite requirements will provide opportunity for entry into programs in the identified academic centres. Instruction (5.0). Equivalent to MTH-145.

## **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-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).

## **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).

## **(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.

## **(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-150. Requisite courses: Take NSG-1163 (Required, Concurrent).

## **NSG-1155 Concepts of Health II 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-1150, NSG-1163; (Required, Previous). Take NSG-1173 (Required, Concurrent).

# Course Descriptions NSG 1163 - ORG 2254

## **NSG-1163 Nursing Practice I • 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-1173 Nursing Practice II • 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-1150, NSG-1163 and BIO-1160; (Required, Previous). Take NSG-1155 and NSG-1173L (Required, Concurrent).

## **NSG-1181 Introduction to Nursing 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).

## **NSG-1182 Health Assessment • 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, 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-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 Health, Illness and Healing II 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 NSG-1150, NSG-1163, BIO-1160, BIO-1161, ENG-1150 NSG-1155, NSG-1173, BIO-1162, PSY-1160, SOC-1160; (Required, Previous). Take NSG-2293 (Required, Concurrent).

## **NSG-2263 Nursing Practice III • 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 NSG-1150, NSG-1163, BIO-1160, BIO-1161, ENG-1150, NSG-1155, NSG-1173, BIO-1162, PSY-1160, SOC-1160. (Required, Previous). Take NSG-2250 (Required, Concurrent).

## **NSG-2279 Professional Seminar I 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-2250 or NSG-2254. (Required, Previous).

## **NSG-2290 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 pathophysiologic, 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 NSG-1155; (Required, Previous).

## **NSG-2293 Nursing Practice IV • 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-293. 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). 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.

### **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.

# Course Descriptions PED 1123 - PED 1170

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 and 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 Careers • 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).

### **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.

# Course Descriptions PED 1172 - PED 2255

## **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-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 Fitness Leadership • 3 credits**

This course covers the theory, technical and practical components of the Resistance Training Specialty, and the theory and technical components of the Group Exercise Leader Specialty required by the Alberta Fitness Leadership Association (AFLCA) for certification. Not available for supplemental. Instruction (3.0). Equivalent to PED-188. Requisite courses: Take PED-1159, PED-1160; (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. Requisite courses: Take PED-1165; (Required, Previous).

## **PED-2254 Health and Wellness II for Public Safety Careers • 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).

# Course Descriptions PED 2256 - PED 2280

## **PED-2256 Athletic Injuries & Rehabilitation • 3 credits**

This course will introduce students to concepts of therapeutic modalities for fitness and sport-related injuries, assessment techniques, and functional rehabilitation procedures. Taping and basic massage will also be covered. Not available for supplemental. Service Learning opportunity may be available. Instruction (3.0). Equivalent to PED-256. Requisite courses: Take BIO-1160. (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 II • 3 credits**

This second-year course is a continuation of the practicum experience the student completed in Practicum I. 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. Not available for supplemental. Work Experience (.). Equivalent to PED-258. Requisite courses: Take PED-1158, PED-2256, PED-2262, PED-2267, COM-1162 (Required, Previous). Take PED-2259 (Required, Concurrent).

## **PED-2259 Exercise Program Design 3 credits**

This course will develop students' exercise prescription skills for general and special populations. Training principles, exercise physiology and exercise psychology will be applied to designing personalized and group exercise programs. Students will explore various exercise options to ensure client needs and goals are met. Documentation, professionalism and

monitoring will also be discussed. Not available for supplemental. Instruction (3.0). Equivalent to PED-259. Requisite courses: Take 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-1160; (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-1160, BIO-1161; (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-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-1160; (Required, Previous). Take PED-2267L (Required, Concurrent).

## **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-1160 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; (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).

# Course Descriptions PED 2282 - PLT 2261

## **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**

An expansion on the topics introduced in SCI-0075. Newton's laws of motion, including their vector nature, are introduced, followed by a discussion of motion in two dimensions and gravity. The second section of the course looks at waves in general and then uses sound and light as specific examples of wave properties. Not available for supplemental. This course requires SCI-0075 and MTH-0075 or equivalents. Instruction (4.0), Lab (1.0). Equivalent to PHY-085. Requisite courses: Take PHY-0085L (Required, Concurrent).

### **PHY-0095 Physics 0095 • 5 credits**

This course deals with mechanics (gravitation and momentum), static and current electricity, magnetic fields and electromagnetic induction, properties of the electron, atom and nucleus. This course requires PHY-085 and MTH-085 or equivalents. 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

# Course Descriptions PLT 2262 - PNG 2252

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 (.). 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).

### **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. 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).

# Course Descriptions PNG 2253 - PNG 2277

## **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. 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. 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).

## **PNG-2258 Full Scope of PN 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. 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-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-2276 Focused Practicum 3 credits**

A practicum placement in a specialty area within which professional inclusion is explored under the guidance of a preceptor. Entry level of clinical performance will encompass application of full scope of practice skills, knowledge and attitudes to the specialty area of nursing. Not available for supplemental. Graded: Pass/Fail. Work Experience (.). Equivalent to NSG-2276, NSG-276. Requisite courses: Take PNG-2255, PNG-2257, PNG-2258, PNG-2259, PNG-2267. (Required, Previous).

## **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. Graded: Pass/Fail. Work Experience (.). Equivalent to NSG-2277, NSG-277. Requisite courses: Take PNG-2255, PNG-2257, PNG-2258, PNG-2259, PNG-2267. (Required, Previous).

# Course Descriptions PRS 1155 - PSY 1171

## (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).

### **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, PSC-1161, PSC-1165, HIS-1170, OR HUM-1155; (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-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).

# Course Descriptions PSY 1177 - PSY 2299

## **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**

This course gives students an understanding of how the field of psychology is related to sports. It will focus primarily on how principles of psychology can be applied to, or enhanced by, the study of sports. Attention is given to learning theory, social psychology, and personality theory, and how these areas can be applied to casual sports and to coaching theory. Not available for supplemental. Instruction (3.0). Equivalent to PSY-255. Requisite courses: Take PSY-1160 or PSY-1170; (Required, Previous).

## **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).

# Course Descriptions PSY 3350 - RRM 2253

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**

The purpose of this course is to develop effective reading and clear thinking. A variety of essential reading skills, such as identifying main ideas and supporting details, understanding patterns of organization, making inferences, and evaluating arguments will be covered. The related study skills of outlining, mapping, and summarizing will also be introduced. Students require reading skills at the 9th grade level or previous successful completion of ENG-0063. Not available for supplemental. Instruction (5.0). Equivalent to RDG-075.

### **RDG-0096 College Reading Essentials 5 credits**

This course is designed to prepare students for the demands of further academic studies and to improve reading comprehension levels so that students can meet post-secondary program admission requirements. The course emphasizes developing flexible reading strategies that allow accurate and efficient processing of academic content from both print and electronic sources.

Students must read at the 11th grade level or have successfully completed RDG-0075. Not available for supplemental. Instruction (5.0). Equivalent to RDG-096.

## **(RRM) RENEWABLE RESOURCE MANAGEMENT**

### **RRM-1153 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-2253, RRM-153, RRM-253. Requisite courses: Take RRM-1153L (Required, Concurrent).

### **RRM-1158 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-2252, RRM-158, RRM-255. Requisite courses: Take RRM-1158L (Required, Concurrent).

### **RRM-1196 Map/Aerial Photo Interpretation • 3 credits**

An application of map reading, types of maps, their uses, and interpretation of map features. Other topics include black-and-white and color aerial photographs and 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). Equivalent to RRM-196. Requisite courses: Take RRM-1196L (Required, Concurrent).

### **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-1164, RRM-1196 (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).

# Course Descriptions RRM 2256 - RRM 3369

## **RRM-2256 Rangeland Habitat Management • 3 credits**

This course examines rangeland habitat ecological concepts including plant ecology and succession models, plant morphology and physiology, plant responses to disturbance, vegetation management techniques, reclamation procedures, and riparian ecology. Practical lab and field skills include plant identification, seed germination testing, rangeland and riparian health assessments, and vegetation inventory and monitoring techniques. Not available for supplemental. Instruction (3.0), Lab (2.0). Equivalent to RRM-256, RRM-254. Requisite courses: Take BIO-1163 BIO-1164 (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-1163; (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-1163, BIO-2269; (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-1163, BIO-1164, RRM-1196; (Required, Previous). Take RRM-2264L (Required, Concurrent).

## **RRM-2281 Water Quality • 3 credits**

This course covers water quality parameters specific to several end uses. Causes and sources of inorganic and organic pollution are discussed. Laboratory skills include appropriate sampling procedures and specific analytical methods required for monitoring physical (sediment), chemical and biological/microbiological parameters that affect water quality. Characteristics of normal healthy lakes, streams, rivers and groundwater sources are discussed along with water treatment methods used to mitigate quality degradation. Not available for supplemental. Instruction (2.0), Lab (2.0). Equivalent to RRM-281. Requisite courses: Take RRM-2281L (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-1163; (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-1163, BIO-1164, RRM-1196; (Required, Previous). Take RRM-2299L (Required, Concurrent).

## **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.

# Course Descriptions RRM 3378 - RSP 1155

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-3378 Waterfowl Biology & Management • 3 credits**

This course covers waterfowl biology, including the status and management of ducks and geese. Species-oriented management strategies are evaluated in relation to declining habitat and provincial and federal programs. Field techniques for population inventory and assessment of habitat use are an integral component of field and laboratory exercises. Not available for supplemental. Instruction (3.0), Lab (2.0). Equivalent to RRM-378. Requisite courses: Take RRM-2258; (Required, Previous). Take RRM-3378L (Required, Concurrent).

## **RRM-3379 Fish Culture • 3 credits**

This course covers the art and science of fish culture presented in a series of lectures, discussions, laboratory, and applied activities. Students get hands-on training and experience working at the Aquaculture Centre of Excellence, acquiring new skills and appreciation for the technical, scientific and husbandry involved in raising a variety of fish species under intensive culture conditions. A self-directed experiment aimed at solving a fish culture-related problem is also done by students. Students get an in-depth look at the biological requirements of fish and limitations of aquaculture systems in one of the fastest-growing industries in the world. Not available for supplemental. Instruction (3.0), Lab (2.0). Equivalent to RRM-379. Requisite courses: Take RRM-2259; (Required, Previous). Take RRM-2259 and RRM-3379L (Required, Concurrent).

## **RRM-3386 Wildlife Habitat Management 3 credits**

This course examines the techniques to develop, enhance and maintain terrestrial and habitats for wildlife. Special topics include wetland improvements, prescribed burning and riparian habitat management. Habitat alterations are discussed in relation to ungulates, upland game birds, waterfowl and various non-game species.

Field and laboratory exercises will emphasize habitat evaluation techniques and the development of habitat management plans. Not available for supplemental. Instruction (3.0), Lab (2.0). Equivalent to RRM-386. Requisite courses: Take RRM-2258; (Required, Previous). Take RRM-3386L (Required, Concurrent).

## **RRM-3389 Fish Habitat Management 3 credits**

This course describes the important fish habitat characteristics of lotic (streams) 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 are discussed. Instream flow assessment for comparative and optimal physical habitat, using the computer program RHABSIM is a major component of the course. Field and lab components will emphasize stream and lake habitat survey methods and design and habitat assessment models. Habitat evaluation and enhancement proposals are included in the course with enhancement design and evaluation (auditing) techniques. Not available for supplemental. Instruction (3.0), Lab (2.0). Equivalent to RRM-389. Requisite courses: Take RRM-2259; (Required, Previous). Take RRM-3389L (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).

## **(RSP) REHABILITATION**

## **RSP-1151 Community Rehabilitation 1.5 credits**

This course will study attitudes, both historical and current, towards people with disabilities as found in history and present day society. These historical perspectives will trace the change in service delivery from custodialism to community-based alternatives. The course will also focus on various rehabilitation concepts such as normalization, social role valorization,

inclusion, segregation, and advocacy. In addition, the course will closely examine the experiences of families and their involvement with professionals in the human services field. Not available for supplemental. Instruction (2.0). Equivalent to RSP-151, RSP-150.

## **RSP-1152 Health Care/Personal Wellness • 3 credits**

This course is an introduction to providing basic health care supports to children and adults living with developmental and physical disabilities. The components of good physical and mental health are introduced from a support and wellness perspective. The concepts of how to safely support and assist people, universal precautions, sepsis, activation, lifts and transfers, personal care and nutrition are covered. The necessity of making appropriate referrals to other health care professionals is stressed. Not available for supplemental. Instruction (3.0). Equivalent to RSP-152.

## **RSP-1153 Observation and Assessment 3 credits**

This course is an introduction to the individualized planning processes used by services who support children and adults with special needs. This includes an overview of the IPP process used by Alberta schools. The students will develop specific skills for observing and objectively recording events. Baselines and functional assessments that can be used as part of a sound assessment process will be practiced and conducted. In addition, the process of selecting, writing and evaluating goals and objectives will be examined. Not available for supplemental. Instruction (3.0). Equivalent to RSP-153.

## **RSP-1155 Applied Behaviour Analysis 3 credits**

This course is an introduction to principles of applied behaviour analysis such as reinforcement, natural and logical consequences and generalization. Techniques for increasing, decreasing, or developing new skills are introduced as a basis for designing instructional/intervention procedures. The ethical use of applied behaviour analysis will be extensively discussed. This course will also introduce the process of positive behaviour supports. Not available for supplemental. Instruction (3.0). Equivalent to RSP-155.

# Course Descriptions RSP 1159 - RSP 2253

## **RSP-1159 Developmental Disabilities 3 credits**

This course will investigate the causes, characteristics, treatment options and preventative strategies for various disabilities, including autism, cerebral palsy, Fetal Alcohol Spectrum Disorder, Downs Syndrome and brain injury. For each condition studied in this course, the implications for social, physical, cognitive, communication and emotional development across the life span will be discussed. Not available for supplemental. Instruction (3.0). Equivalent to RSP-159.

## **RSP-1161 Practicum Placement I 1.5 credits**

This is the first practical experience course for students in the Disability and Community Rehabilitation program. In a supervised practicum placement, students will have an opportunity to interact and develop respectful relationships with children and/or adults living with a developmental disability. Students will practice and develop skills in assessment, observation and providing basic support. Students will also participate in a series of seminars to assist with the integration of both course work and the practicum experience. Not available for supplemental. Work Experience (.). Equivalent to RSP-161.

## **RSP-1164 Facilitating Inclusion 3 credits**

This course provides students with an opportunity to explore a roles-based understanding of planning and working with children and adults who have developmental disabilities. Students will identify and access tools and resources that are required to support individuals with disabilities to achieve meaningful, inclusive lives. Activity planning, social roles, developing individual and community connections and identifying personal contribution will be explored. Not available for supplemental. Instruction (3.0). Equivalent to RSP-164.

## **RSP-1171 Practicum Placement II 1.5 credits**

This is the second practical experience course for students in the Disability and Community Rehabilitation program. In a supervised practicum placement, students will have an opportunity to progressively develop their skills in the areas of behavioral, family and roles-based support

with children and adults who have a disability. The focus will be on supporting inclusive experiences through meaningful, personalized and community based activities. Students will also participate in a series of seminars to assist with the integration of both course work and the practicum experience. Not available for supplemental. Not eligible for Prior Learning Assessment. Work Experience (.). Equivalent to RSP-171. Requisite courses: Take RSP-1161; (Required, Previous).

## **RSP-1172 Practicum II • 3 credits**

A study of family models, family support needs and the cultural and religious diversity of families. Course work is applied in a supervised practicum placement. Expectations include skills in observation, assessment, behavioural support, development of intervention/support plans from a multi-disciplinary team perspective, promoting partnerships between family members and staff/agencies and supporting inclusive experiences through community based activities. Not available for supplemental. Not eligible for Prior Learning Assessment. Work Experience (.). Requisite courses: Take HSP-1165. (Required, Previous).

## **RSP-2230 Practicum Placement III 3 credits**

This 150-hour practical experience will provide students in the Disability and Community Rehabilitation diploma program an opportunity to further enhance their skills supporting children, adults and families living with the impact of a disability. Experience in the areas of education, employment supports, mental health and advocacy will be the major focus, thus promoting experiences that differ from those in the student's first year or through work experience. Students will participate in seminars to assist with the integration of course work that occurs in the first term of the diploma. Not available for supplemental. Not eligible for Prior Learning Assessment. Work Experience (.). Equivalent to RSP-230.

## **RSP-2240 Practicum Placement IV 3 credits**

This is the final practicum course in the Disability and Community Rehabilitation diploma and consists of 150 hours of practical experience and a series of integration seminars. Students may have the opportunity to gain experience in leadership, advocacy and community

development during this practicum. Emphasis is placed on administrative learning opportunities to best prepare students for the demands of the disability services profession. Not available for supplemental. Work Experience (.). Equivalent to RSP-240. Requisite courses: Take RSP-2230. (Required, Previous).

## **RSP-2251 Person Centered Planning 1.5 credits**

This course will prepare students with basic skills needed for person centered planning with individuals and families. Focus will be on the historical context of service planning for people with disabilities, the initiation of the planning process, the facilitation of planning and the development of effective personal networks to assist people in achieving their personal goals. This course will also examine how person centered planning can lead to inclusive support models that enable individuals with disabilities to have quality life experiences. Not available for supplemental. Instruction (2.0). Equivalent to RSP-251.

## **RSP-2252 Administrative Practices in Disability • 3 credits**

This course introduces students to administrative practices specific to disability and human services. Topics covered include management functions, business finance, proposal writing, budgeting, human resource management, motivation, workload, entrepreneurship and workplace ethics. Students will gain an understanding of the role of both internal and external stakeholders that impact the operations of an organization and the Community Disability Services profession. Not available for supplemental. Instruction (3.0). Equivalent to RSP-252.

## **RSP-2253 Advanced Studies in Disability • 3 credits**

An examination of the impact and support needs of people living with developmental disabilities. Focus is on the processes for diagnosis and assessment of syndromes with genetic causes, metabolic disorders, and conditions with adult onset such as dual diagnosis and mental illness. Discusses the ongoing support needs for adults living with a developmental disability and the implications for their families. Not available for supplemental. Instruction (3.0). Equivalent to RSP-253.

# Course Descriptions RSP 2255 - RSR 2257

## **RSP-2255 Positive Behaviour Supports 3 credits**

An exploration of the design and implementation of positive behaviour supports and instruction for people with challenging behaviours and/or significant learning difficulties. Focus is on functional assessment and analysis, instructional techniques and modifications for learning, and strategies for teaching positive alternative behaviours with the same communicative intent. Not available for supplemental. Instruction (3.0). Equivalent to RSP-255.

## **RSP-2257 Supporting Individuals through Inclusive Education • 3 credits**

An examination of current trends in creating and supporting inclusive educational experiences for children and youth who have a wide range of learning challenges in elementary, middle and secondary school. Focus is on supporting diverse learning needs with differentiated instructional approaches, addressing the need for belonging through the development of social relationships, and discussing the role of the paraprofessional as a member of the student's multidisciplinary learning team. Not available for supplemental. Instruction (3.0). Equivalent to RSP-257.

## **RSP-2259 Supported Employment 3 credits**

This course focuses on encouraging the development of meaningful and productive roles for people with disabilities with respect to employment, alternatives to employment and post-secondary education. Focus will be on the preparation, development, training and retention strategies needed for successful supported and competitive employment. Students will learn best practice job search and job development strategies that have been proven effective when supporting individuals who are employment disadvantaged due to a disability. Not available for supplemental. Instruction (3.0). Equivalent to RSP-259.

## **RSP-2262 Leadership in Disability 3 credits**

This course examines both personal and professional leadership in Community Disability Services organizations. Theories and concepts related to understanding and developing effective leadership skills will be presented. In addition, students will examine decision-making processes, strategies for constructive change and the need for interagency partnerships in

leading the way for progressive change within the disability services profession. Not available for supplemental. Instruction (3.0). Equivalent to RSP-262.

## **RSP-2275 Family Support & Intervention 3 credits**

This course covers the dynamics of typical families and compares them to those that include a family member with a disability. Relations between spouses, spouses and siblings, and siblings are analysed. This analysis forms the basis for identification of special needs within these families. Various strategies and issues are discussed as well as the role of the rehabilitation practitioner in providing support to families with exceptional members. Not available for supplemental. Instruction (3.0). Equivalent to RSP-275.

## **RSP-2278 Special Issues in Disability 3 credits**

This course covers a number of special interest topics relative to the field of Community Rehabilitation. Topics include supporting individuals with disabilities to cope with grief and loss, recognizing abuse and taking action as outlined in protocol, prevention of crisis situations and developing strategies and educational resources to deal with issues related to sexuality. Students will design a professional resume and cover letter, prepare for an employment interview and identify future professional development activities. Not available for supplemental. Instruction (3.0). Equivalent to RSP-278.

## **(RSR) RESEARCH - APPLIED**

### **RSR-1160 Research & Writing for New Media • 3 credits**

There are research and writing tasks involved at every level of a multimedia project. You will learn to find and validate the information you need, then incorporate it in powerful, concise, and stylistically appropriate prose. You will also learn proven techniques for editing and improving your own writing, and material created by others. Instruction (3.0). Equivalent to RSR-160, APR-160, CAP-151.

### **RSR-1170 Interactive Project • 3 credits**

In conceiving, planning and executing an extended interactive multimedia project, you are given an opportunity to apply areas of theoretical and practical knowledge from the first-year core. Documenting the production process, the technical challenges faced, and the solutions found,

as well as presenting your piece at the end of the course, will add value to the learning experience. Instruction (3.0). Equivalent to RSR-2270, RSR-170.

## **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-251. Requisite courses: Take STS-1183 (Required, Previous).

## **RSR-2256 Video Graphics and Compositing • 6 credits**

This is an opportunity to integrate your knowledge of graphic design, video editing and animation to explore areas of motion graphics related to education and training, advertising and broadcast design, show titles, video art and special effects. You will use industry-standard compositing tools for top-level production. Instruction (5.0). Equivalent to RSR-2257, RSR-256. Requisite courses: Take CMM-1156; (Required, Previous).

## **RSR-2257 Video Graphics and Compositing • 3 credits**

This is an opportunity to integrate your knowledge of graphic design, video editing and animation to explore areas of motion graphics related to education and training, advertising and broadcast design, show titles, video art and special effects. You will use industry-standard compositing tools for top-level production. Instruction (5.0). Equivalent to RSR-2256, RSR-256. Requisite courses: Take CMM-1156. (Required, Previous).

# Course Descriptions RSR 2270 - SGV 2113

## **RSR-2270 Interactive Project • 3 credits**

In conceiving, planning and executing an extended interactive multimedia project, you are given an opportunity to apply areas of theoretical and practical knowledge from the first-year core. Documenting the production process, the technical challenges faced, and the solutions found, as well as presenting your piece at the end of the course, will add value to the learning experience. 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 • 5 credits**

An introduction to basic science involving three distinct yet interrelated modules, which include basic chemistry, physics and biology content that is comparable to what is covered in Alberta Education Science 010. Not available for supplemental. Instruction (5.0), Lab (1.0). Prerequisite 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. 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 ( ).

# Course Descriptions SGV 2114 - SOC 2273

## **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-1150 Multicultural Seminar 1.5 credits**

This course will examine multicultural/diversity issues. It will increase learner awareness and understanding of all cultures. Not available for supplemental. Not eligible for Prior Learning Assessment. Instruction (1.0). Equivalent to SOC-150.

### **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. Requisite courses: Take SOC-1160 or PSY-1160 (Required, Previous).

### **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.

# Course Descriptions SOC 2275 - STS 1183

## **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.

### **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 Engineering Statistics & Applied Research Methods • 3 credits**

This course is designed to integrate and apply statistical methods for applied research projects, as well as initiate and gather data/materials for the major technical report. Students will identify the scientific objectives of research, and develop statistical analyses appropriate for these research objectives. Students will learn to identify and mitigate problems in data collection and analysis.

# Course Descriptions STS 2250 - SUR 2264

The topics to be covered include descriptive statistics, probability, normal distribution, confidence interval, hypothesis testing, inference testing, correlation, regression, and non-parametric statistics. The course will also provide the student with experience in researching, organizing, monitoring, and documenting a long-term technical project. Students will establish the framework for the major technical report which will culminate in RSR251 - Applied Research for Engineering course. Computer literacy is required as statistical software is used. Not available for supplemental. Not eligible for Prior Learning Assessment. Instruction (4.0). Equivalent to STS-183. Requisite courses: Take CPU-1150; (Required, Previous).

## **STS-2250 Statistics • 3 credits**

This course covers introductory business and economic statistics, the basic techniques and tools of statistical analysis and interpretation applied to business situations. Topics include 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-2255 Statistical Methods 3 credits**

An introduction to basic statistical concepts used for resource management. Topics include data collection, presentation, descriptive statistics, and parametric and non-parametric tests. Also covered are probability distributions, data transformation, correlations, regression, hypothesis testing and analysis of variance. Computer literacy is recommended. Not available for supplemental. Instruction (2.0), Lab (1.0). Equivalent to STS-255, STS-251. Requisite courses: Take STS-2255L (Required, Concurrent).

## **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 • 3 credits**

This course is an introduction to the theory and practice of surveying, covering measurement of distances and vertical and horizontal angles. It includes leveling, level circuits, profiles and cross sections, transit lines, open and closed traverses, use and care of theodolites, levels, EDMs, global positioning systems (GPS), general principles, sources of error and survey computations pertaining to leveling and traverses. Not available for supplemental. Instruction (5.0). Equivalent to SUR-150.

### **SUR-1162 Survey Applications**

#### **3 credits**

This course is an introduction to engineering applications in surveying. Topics may include horizontal, spiral and vertical curves, slope staking and cross-sectioning, profiles, coordinate layout, electronic data transfer and global positioning systems terrain modeling. Course work will consist of theoretical and field assignments. Not available for supplemental. Instruction (3.0). Equivalent to SUR-162. Requisite courses: Take SUR-1150, CAD-1155; (Required, Previous).

### **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-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).

# Course Descriptions SUR 2265 - TRG 2260

## **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-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-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).

## **(TAX) TAXATION**

### **TAX-2251 Taxation • 3 credits**

This course covers income taxation in Canada for individuals and the self-employed. It includes a review of the reports of the federal and various provincial Royal Commissions on taxation, problems associated with taxes payable by various types of corporate entities, and the Income Tax Act. It also includes completion of tax returns covering all the 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**

This course is an overview of the history, philosophy, concepts and issues in the field of therapeutic recreation. The helping nature of the recreation therapist role and the importance of self awareness within the profession will be addressed. The importance of leisure activities and the common barriers to recreation participation are discussed. Introductory information will be provided and discussed on a wide range of disabilities, medical conditions, therapeutic support environments, and conceptual models of therapeutic service. Instruction (4.0). Equivalent to TRG-150.

### **TRG-1160 Therapeutic Recreation Program Planning I • 3 credits**

This course covers the theoretical approach to program design in the therapeutic recreation setting. The principles and practices of assessment, planning, implementing, and evaluating programs based on client needs are reviewed. Instruction (3.0). Equivalent to TRG-160. Requisite courses: Take TRG-1150; (Required, Previous).

### **TRG-1164 Leadership Theory • 3 credits**

This course studies leadership theories and concepts in order to facilitate an understanding of both the nature and reality of leadership in personal, community and organizational settings. The development of leadership skills is fostered by focusing on understanding the principles of effective leadership from an "inside out" approach. Examination of course topics with respect to therapeutic recreation is emphasized throughout the course. Not open to supplemental. Instruction (3.0). Equivalent to TRG-164.

### **TRG-1199 Practicum I • 3 credits**

This first practicum is held at a pre-approved facility that specializes in providing care for seniors. Under the supervision of a Therapeutic Recreation professional, opportunities to apply theoretical concepts through hands-on programming and interaction within a team environment provide for skill development and a framework to build upon in the second year of the program. Not available for supplemental.

Not eligible for Prior Learning Assessment. 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**

This course is a culmination of the two years of study in therapeutic recreation. Topics requiring more emphasis will be covered through research, guest lecturers and field trips. Instruction (2.0). Equivalent to TRG-251.

### **TRG-2253 Therapeutic Recreation Assessment • 3 credits**

This course covers the process of assessment, all forms of documentation, individual treatment plans, and analyzing different assessment tools used in therapeutic recreation settings. Instruction (4.0). Equivalent to TRG-253. Requisite courses: Take TRG-1199; (Required, Previous).

### **TRG-2256 Therapeutic Recreation Intervention • 3 credits**

This course covers the therapeutic recreation intervention process which is used to assist individuals in coping and adapting to their environment and effecting change in their lives. Emphasis is placed on the various forms of intervention used in geriatric settings such as remotivation, drama, pets, validation, sensory stimulation and relaxation. Instruction (3.0). Equivalent to TRG-256.

### **TRG-2260 Therapeutic Recreation Program Planning II • 3 credits**

This course covers hands-on development of specific program design. Budgeting considerations, program descriptions, fundraising, leisure education and future trends in programming are also reviewed.

# Course Descriptions TRG 2263 - WHS 1110

Instruction (3.0). Equivalent to TRG-260. Requisite courses: Take TRG-1160; (Required, Previous).

## **TRG-2263 Aging Disorders & Disabilities 3 credits**

This course is a survey of disorders and disabilities common to the aged from the perspective of the therapeutic recreation professional. Topics include stroke, heart attack, Alzheimer's disease, Parkinson's disease, dementia, and other conditions. 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**

Focus is on theory and practice in the various areas of programming, including dance, music, horticulture, reminiscing, cooking, sensory stimulation, humour, sports, games and outdoor activities. Adaptive methods applicable to healthy, frail and disabled seniors are discussed. 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**

This course covers basic administration and supervisory skills including a review of basic functions such as planning, organizing, controlling and leading; the recruitment and selection process; employee supervision; motivation; and performance assessment. Includes information on volunteer management skills, employee ethics and workload measurement systems. Instruction (3.0). Equivalent to TRG-270.

## **(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.

### **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.

# Course Descriptions WRI 1150 - WTT 1114

## (WRI) WRITING

### **WRI-1150 Writing for Interactive Media** **3 credits**

Telling a story concisely, and making the few words you do use share the stage with images, sound, video, and animation, is one of the more exciting and challenging areas of communicating effectively with the new media. In this course, you will practice telling those stories, adding features to make your narrative part of an interactive user experience, whether the goal is information, education, or pure entertainment. Instruction (3.0). Equivalent to CAP-1161, WRI-150, CAP-161.

### **WRI-2250 Commercial Writing I** **1.5 credits**

This course covers study and practise in the special techniques of writing commercials for the broadcast media. Instruction (2.0). Equivalent to WRI-250, CAP-188. Requisite courses: Take CAP-2275 (Required, Concurrent).

### **WRI-2257 Public Relations Writing** **3 credits**

This course continues the development of writing skills for the public relations industry. Students will examine writing as it applies to news releases, newsletters, annual reports, features and storyboards. Not available for supplemental. Instruction (3.0). Equivalent to WRI-257, ENG-257. Requisite courses: Take WRI-1174; (Required, Previous).

### **WRI-2274 Commercial Writing II** **1.5 credits**

Students are required to write and produce commercials for use on CRLC Radio, along with assigned class projects. Not available for supplemental. Instruction (2.0). Equivalent to WRI-274, CAP-288. Requisite courses: Take WRI-2250; (Required, Previous). Take CAP-2285 (Required, Concurrent).

## (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-1101 DC Circuit Fundamentals** **3 credits**

In this course, electrical properties such as voltage, current, resistance and power are explored, and 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 WTT102, WTT103 and WTT104, will have the equivalent of the Alberta Apprenticeship and Industry Training 1st Year theory and will be eligible to write the Period One theory exam. Instruction (3.0), Tutorial (3.0). Equivalent to WTT-101. Requisite courses: Take WTT-1102, WTT-1103, WTT-1104 and WTT-1101T (Required, Concurrent).

### **WTT-1102 Sources of Electromotive Force** • 1.5 credits

In this course, students will be exposed to other methods of generating electrical energy with particular emphasis placed on power sources used in wind energy converters. Students who have successfully completed this course, in addition to WTT1101, WTT1103 and WTT1104, will have the equivalent of the Alberta Apprenticeship and Industry Training 1st Year theory and will be eligible to write the Period One theory exam. Instruction (1.0), Tutorial (1.0). Equivalent to WTT-102. Requisite courses: Take WTT-1101, WTT-1103, WTT-1104 and WTT-1102T (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-103. 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.

# Course Descriptions WTT 1115 - WTT 1126

## **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-116L. (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.

## **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 WTT 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.

## **WTT-1126 Certification Seminar 1.5 credits**

This course will prepare students to complete the written and practical exams required for temporary BZEE Certification. Not available for supplemental. Instruction (2.0). Equivalent to WTT-126.

# Index

Academic Advising .....	18	Early Childhood Education Certificate .....	75
Academic Schedule .....	3-4	Early Childhood Education Diploma .....	75
Accessibility Services .....	18	Ecosystem Management - Bachelor of Applied Science .....	76-77
Accounting - Business Administration Diploma .....	52	Educational Assistant Certificate .....	78
Additional Fees .....	14	Educational Assistant Diploma .....	79
Administrative Office Professional .....	36	Ecampus Alberta .....	32
Admission .....	8	Electrician - Apprenticeship .....	41
Admission Routes .....	8	Endeavour .....	22
Agricultural and Heavy Equipment Technician Certificate .....	37	Engineering Design and Drafting Technology Diploma .....	80-81
Agricultural Equipment Technician Apprenticeship .....	40	English as a Second Language .....	82
Agriculture Sciences - Animal Science Diploma .....	39	Environmental Assessment and Restoration Diploma .....	83-84
Agriculture Sciences - Plant and Soil Science Diploma .....	38	Exercise Science Diploma .....	85-86
Alberta Works .....	19	Facilities .....	20
Alumni Relations .....	21	Fashion Design and Sustainable Production .....	87
Animal Science - Agriculture Sciences Diploma .....	39	Fees and Financial Information .....	13
Applicant and Student Records .....	10	Fetal Alcohol Spectrum Disorder Education .....	88-89
Application Deadlines .....	8	Financing Your Education .....	12
Application for Admission .....	8	First Nations, Metis, and Inuit (FNMI) Learners – Services .....	23
Application Processing Fee .....	14	Fish and Wildlife Technology Certificate of Specialization .....	90-91
Apprenticeship Programs .....	40-44	Fitness, Wellness and Recreation .....	20
Athletics Scholarship .....	21	Flexible Delivery .....	29-31
Automotive Service Technician - Apprenticeship .....	40	FNMI Career Pathways, General Studies .....	97-98
Automotive Systems Certificate .....	45	Food Services .....	20
Awards and Scholarships .....	26	Full-Time Status .....	125
Bachelor of Applied Arts - Justice Studies .....	103-104	Garden Court Restaurant .....	20
Bachelor of Applied Science - Conservation Enforcement .....	63-64	General Regulations Governing Payment of Fees .....	15
Bachelor of Applied Science - Ecosystem Management .....	76-77	General Studies Diploma .....	92
Bachelor of Nursing - After Degree .....	49-50	General Studies, FNMI Career Pathways .....	97-98
Bachelor of Nursing .....	46-48	Geomatics Engineering Technology Diploma .....	99-100
Be Fit For Life .....	20	Health and Dental Plan .....	21
Bookstore .....	20	Health and Dental Plan Fees .....	14
Business Administration - Accounting Diploma .....	52	Health Care Aide .....	101
Business Administration General Diploma .....	51	Health Services .....	20
Business Administration - Management Diploma .....	52	Heavy Equipment Technician - Apprenticeship .....	42
Business Administration - Marketing Diploma .....	52	Interior Design Technology Diploma .....	102
Campus Recreation .....	20	International Support Services .....	24
Career Centre .....	18	Introduction .....	1
Career Programs .....	35-119	Justice Studies - Bachelor of Applied Arts .....	103
Carpenter - Apprenticeship .....	41	Kodiak Athletics .....	21
Chaplaincy Services .....	18	Learning Café .....	20
Child and Youth Care Diploma .....	55	Library .....	18
Civil Engineering Technology Diploma .....	57	Living in Residence .....	25
College and University Preparation -		Loans and Student Financing .....	12
Credential of Achievement .....	59	Lockers .....	22
College Directory .....	5	Lost and Found .....	22
Commercial Vehicle Enforcement - Certificate .....	60	Management - Business Administration Diploma .....	52
Computer Information Technology - Diploma .....	61-62	Marketing - Business Administration Diploma .....	52
Computer Labs .....	20	Massage Therapy Diploma .....	105
Conservation Enforcement - Bachelor of Applied Science .....	63-64	Media (On-campus) .....	22
Cook - Weekly Apprenticeship Training .....	41	Medical Device Reprocessing .....	106
Correctional Studies Diploma .....	65-66	Mobile Learning .....	14, 27
Counseling (Student Support Program) .....	18	Multimedia Production Diploma .....	107
Course Descriptions .....	121-203	Natural Resource Compliance Diploma .....	108-109
CRLC Radio .....	22	Nursing Degree .....	46-48
Criminal Justice - Policing Diploma .....	67-68	Online Learning .....	18
Culinary Careers Diploma .....	69-70	Other Services .....	22
Day Care (on campus) .....	18	Parking .....	15, 22
Digital Communications and Media .....	71-72	Parts Technician - Apprenticeship .....	42
Disability and Community Rehabilitation Certificate .....	73	Perioperative Post-Diploma Nursing Program .....	110

# Index

Physical Education Facilities .....	21
Placement Assessment Procedures .....	11
Plant & Soil - Agriculture Sciences Diploma .....	38
Plumber Apprenticeship .....	42
Police Recruit Training .....	111
Policies .....	15, 22, 31
Practical Nursing Diploma .....	112-113
President's Welcome .....	1
Printing Services .....	22
Prior Learning Assessment Fees .....	15
Program List .....	6-7
Public Transportation .....	22
Radio .....	22
Recruitment .....	18
Refunds, Individual Course Drops and Program Withdrawal Timeline Information .....	15
Regional Campuses .....	33-34
Registration .....	11
Renewable Resource Management Diploma .....	114-115
Residence .....	25
Returning after an Absence .....	11
Scholarships and Awards .....	26
Security Services .....	19
Services for First Nations, Metis, and Inuit (FNMI) Learners .....	23
Services for Learners .....	17
Services for International Learners .....	24
Student Experience Office .....	19
Student for a Day .....	19
Student Funding and Awards .....	19
Students' Health and Dental Plan .....	21
Student ID Card .....	22
Student Loan Basics .....	12
Student Support Program (Counselling) .....	18
Students Serving Students .....	21
Students' Association .....	21
Students' Association Fees .....	14
Supplemental Examinations .....	14, 122
Table of Contents .....	2
Technology Infrastructure Fee .....	14
Testing Services .....	19
The Endeavour .....	22
The MyHorizon Portal .....	18
Therapeutic Recreation - Gerontology Diploma .....	116-117
Tim Horton's .....	20
Transcripts .....	10
Transfer Credit .....	11
Tuition and Fees .....	14
Tuition Deadlines .....	13
Tuition Tax Receipts .....	13
Unit Clerk - Certificate .....	118
Upgrading and Transitional Programs .....	60-61
Welder - Apprenticeship .....	42
Welder - Wire Process Operator Apprenticeship .....	43
Wind Turbine Technician - Certificate .....	119





# 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. New Trades Building Site (*opening 2017*)
- 14. Andrews Building
- 15. Physical Education Building
- 16. Cullen Residences

connect

[lethbridgecollege.ca/tour](http://lethbridgecollege.ca/tour)



/LethbridgeCollege



@LethCollege



@LethCollege



/LethbridgeCollege



Lethbridge College's  
official app. Find it at  
[lethbridgecollege.ca/apps](http://lethbridgecollege.ca/apps).

---

**Student Recruitment**

403.320.3322  
1.800.572.0103 ext. 3322

**Academic Advising**

403.320.3202 ext. 4905  
1.800.572.0103 ext. 4905  
[advisor@lethbridgecollege.ca](mailto:advisor@lethbridgecollege.ca)

**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](mailto:info@lethbridgecollege.ca)  
[lethbridgecollege.ca](http://lethbridgecollege.ca)