

# > DUAL CREDIT GUIDEBOOK 2025-26

GET A HEAD START ON YOUR POST-  
SECONDARY JOURNEY BY ENROLLING  
IN LETHBRIDGE POLYTECHNIC'S  
DUAL CREDIT COURSES.

LEARN MORE AT

[lethpolytech.ca/dual-credit](https://lethpolytech.ca/dual-credit)



LETHBRIDGE  
POLYTECHNIC

***BE READY.***

# > DUAL CREDIT COURSES



**Get a head start on your post-secondary journey by enrolling in Lethbridge Polytechnic's dual credit courses.**

Whether you choose to continue your studies or head into the workforce after your high school graduation, these courses will help you be ready for an easier transition to whatever happens next.

- **ARTS + TECH**

GME1100 • IDM1163 • IDM1179 • VXR1160

- **BUSINESS**

BUS1170 • BUS1177 • MKT1188

- **COMMUNICATION + SOCIAL**

COM1162 • ENG1150 • ENG1159 • INS1155 • PSC1165 • PSY1160

- **HEALTH + WELLNESS**

BIO1155 • BIO1156 • BIO1160 • CSP1150 • TRG1150

- **HUMAN SERVICES**

ECE1151 • ECE1155 • EDU1153

- **JUSTICE + HUMAN SERVICES**

COM1165 • CJP1160 • LAW1177

- **MATH + ENGINEERING**

CAD1160 • MTH1150

- **SCIENCES**

AGS1100 • BIO1167 • BIO1172 • GEO1166

- **TRADES**

TRA1131 • TRA1132 • TRA1133 • TRA1134 • TRA1135 • PRE-EMPLOYMENT

# > WHAT IS DUAL CREDIT?

In Alberta, Dual Credit programming invites high school students in Grades 10-12 to take approved post-secondary courses, earning them credit at both levels. When taking a Dual Credit course with Lethbridge Polytechnic, you are considered both a high school AND polytech student.

**Dual Credit programming is an excellent way for you to:**

- Experiment with subjects that might not be available at your school.
- Learn more about the post-secondary learning experience and environment.
- Meet new people and join our community.
- Earn credit in courses for application in future studies.
- Connect with advisors to plan your future post-secondary studies.

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## COURSE OFFERINGS

For the 2025/2026 academic year, Lethbridge Polytechnic has over 40 Dual Credit courses and programs approved by Alberta Education. As we continue to build new and exciting pathways for learners, additional courses are also at various stages in the application process.

Courses are selected to run as Dual Credit programming based on a number of factors, including student interest and format flexibility. If you have a course or area of interest you'd like to see more programming options, please contact our team to discuss, as we are always looking to add to the lineup.

This guidebook contains detailed information on all approved and pending Dual Credit courses and programs offered through Lethbridge Polytechnic.

# > GETTING STARTED

## **STEP 1 - TALK TO YOUR SCHOOL**

- As tuition is sponsored by schools/divisions, the first step in the process requires students to discuss their eligibility and internal application process at the school level.
- Please note, Dual Credit course offerings may differ throughout schools/divisions.

## **STEP 2 - APPLY TO LETHBRIDGE POLYTECHNIC**

- Once you have been approved to take a Dual Credit course by your school/division, you will apply as an open studies student to Lethbridge Polytechnic. Pre-employment programs have a different process.
- A promo code will be provided to you through your school/division Dual Credit contact in order to waive the application fee.

## **STEP 3 - BE READY**

- Upon acceptance, you will receive official communication to the email you used to apply. Your acceptance package will also include information on how to access your Lethbridge Polytechnic email, course materials on Canvas, and important contacts for your Dual Credit journey.

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## Q & A

### **HOW ARE COURSE OFFERINGS ORGANIZED?**

- Course overviews are listed in this document alphabetically by course code and are not based on course categories.

### **WHAT DOES “ONLINE DELIVERY METHOD” MEAN?**

- Most Dual Credit courses are offered online, in an asynchronous format to allow students to tackle course work at times that work best for their schedule.
- However, there are several courses with mandatory on-campus or synchronous lab components. Please take note of delivery method when selecting a course.

### **WHAT ARE COURSE “PRE-REQUISITES”?**

- Some courses have entrance requirements to ensure students have the necessary experience to set themselves up for success with course content and assessments.
- If you are unsure whether you meet a course's pre-requisites, please contact our team.

### **SHOULD I PURCHASE REQUIRED EQUIPMENT AND MATERIALS NOW?**

- This package is meant to provide students, parents and schools with the most accurate information on Dual Credit offerings and processes at the time of distribution; however, content is subject to change. Please wait to purchase any required equipment and materials until confirmed with your instructor.
- All courses require a computer and Internet access.

### **DOES GUARANTEED ADMISSION FOR DUAL CREDIT STUDENTS APPLY TO APPRENTICESHIP PROGRAMS? •**

- No, Lethbridge Polytechnic is not responsible for selecting the students who are admitted to apprenticeship programs; these programs are registered through Apprentice and Industry Training (AIT).

### **DOES GUARANTEED ADMISSION APPLY TO COMPETITIVE ENTRY PROGRAMS?**

- No, there is a detailed selection process involved with admissions for these programs.
- For 2025/26, competitive entry programs include Practical Nursing diploma, Bachelor of Nursing, and Natural Resource Compliance diploma programs.

# > SUPPORTS

Lethbridge Polytechnic has a variety of supports and services to help guide you to success. Success is not only the responsibility of the student, but rather a shared responsibility between the student, the instructor and the school.

Here is the list of departments available to make sure that you have the support you need to succeed.

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## ACADEMIC ADVISING

Provides information on:

- How Dual Credit courses can help you complete a program
- Possible program options and future career paths
- Academic expectations and grading scales
- Lethbridge Polytechnic policies and procedures

Contact: [advisor@lethpolytech.ca](mailto:advisor@lethpolytech.ca) • 403.320.3366

## LEARNING CAFÉ

Here to help with:

- Time management
- Personal management
- Studying efficiently
- Bridging knowledge gaps
- Written assignments
- Test-taking skills

Contact: [learningcafe@lethpolytech.ca](mailto:learningcafe@lethpolytech.ca) • 403.382.6952

## ACCESSIBILITY SERVICES

Available to discuss:

- Disability advising
- Requests for academic accommodations
- Disability-related history and potential challenges
- Additional supports

Contact: [accessibilityservices@lethpolytech.ca](mailto:accessibilityservices@lethpolytech.ca) • 403.320.3202 Ext. 5400

## BUCHANAN LIBRARY

Ready to assist with:

- Research materials required for class assignments
- Quiet places to work on class projects
- Access to online databases

Contact: [buchananlibrary@lethpolytech.ca](mailto:buchananlibrary@lethpolytech.ca) • 403.320.3352

**BE READY.**

## OFFERING SCHEDULE

Currently, Dual Credit courses are offered in the Fall and/or Winter semesters.

Course	Fall (Sept. - Dec.)	Winter (Jan. - May)
<b>AGS1100</b> - Foundations of Agriculture		✓
<b>BIO1155</b> - Human Nutrition <i>*pending approval</i>		✓
<b>BIO1156</b> - Wellness & Health Issues	✓	
<b>BIO1160</b> - Anatomy and Physiology I		✓
<b>BIO1167</b> - Botany		✓
<b>BIO1172</b> - Ecology	✓	
<b>BUS1170</b> - Introduction to Management	✓	
<b>BUS1177</b> - Entrepreneurship		✓
<b>CAD1160</b> - Graphic Communications	✓	
<b>CJP1160</b> - Introduction to the Criminal Justice System		✓
<b>COM1162</b> - Interpersonal Relationships & Communication	✓	✓
<b>COM1165</b> - Public Safety Communications/Interpersonal Relations	✓	
<b>CSP1150</b> - Medical Terminology/Anatomy & Physiology	✓	
<b>ECE1151</b> - Health, Nutrition and Safety	✓	
<b>ECE1155</b> - Introduction to Early Childhood Education	✓	✓
<b>EDU1153</b> - Foundations of Educational Assistance	✓	
<b>ENG1150</b> - Composition	✓	✓
<b>ENG1159</b> - Writing for the Workplace	✓	✓
<b>GEO1166</b> - Physical Geology	✓	
<b>GME1110</b> - Intro to Game Development <i>*pending approval</i>		✓
<b>IDM1163</b> - Design History I <i>*pending approval</i>	✓	
<b>IDM1179</b> - Design Fundamentals	✓	
<b>INS1155</b> - Introduction to Indigenous Studies	✓	✓
<b>LAW1177</b> - Introduction to Procedural Law in Canada	✓	
<b>MKT1188</b> - Introduction to Marketing <i>*pending approval</i>		✓
<b>MTH1150</b> - Engineering Math I	✓	
<b>PSC1165</b> - Canadian Government	✓	
<b>PSY1160</b> - Introduction to Psychology		✓
<b>TRA1131</b> - Introduction to the Trades <i>*restricted to SACI divisions</i>	✓	✓
<b>TRA1132</b> - Introduction to Transportation Trades <i>*restricted to SACI divisions</i>		✓
<b>TRA1133</b> - Introduction to Electrical Trades <i>*restricted to SACI divisions</i>	✓	
<b>TRA1134</b> - Introduction to Construction Trades <i>*restricted to SACI divisions</i>	✓	
<b>TRA1135</b> - Introduction to Culinary Trades <i>*restricted to SACI divisions</i>		✓
<b>TRG1150</b> - Introduction to Therapeutic Recreation	✓	
<b>VXR1160</b> - Art & Design for Extended Reality <i>*pending approval</i>	✓	



# > IMPORTANT DATES

## APPLICATION DEADLINES

Dual Credit courses are scheduled to run in both the fall and winter semesters.

Once approved to take a course by your school/school division, you will need to apply using the promo code they supply. The following deadlines allow our teams adequate time to prepare for your arrival.

In the event you are past the application deadline, please contact our team to discuss options.

Deadline	Date
Fall Semester Applications	June 13, 2025
Winter Semester Applications	Nov. 28, 2025

## SEMESTERS

Dual Credit semesters are designed to fit within the high school schedule. As a result, the winter semester is delayed in comparison to the rest of the polytech.

Please review the following semester dates:

Semester	First Day	Last Day
Fall	Sept. 3, 2025	Dec. 5, 2025
Winter	Feb. 2, 2026	May 13, 2026

## AGS1100 - FOUNDATIONS IN AGRICULTURE

*Offered in the Winter semester*

**Delivery Method:** Online asynchronous + several mandatory on-campus labs. *Schedule TBD*

**Total Hours:** 75

**Post-Secondary Credits:** 3

**High School Credits:** 5

**Pre-Requisites:** None

**Materials Cost:** None

**Eligibility:** None

### Course Description:

An introduction to the primary agriculture industries in Southern Alberta including agronomy, animal science and agriculture business. Discussions and projects will include identification of basic agriculture science and economic principles, interaction between industries and evolving career opportunities.

### Course Outcomes:

1. Explain the role of agriculture in maintaining environmental soundness and sustainability including land usage, energy, water, and soil.
2. Explain the impact of agriculture management practices on plants and plant health as well as animals and animal welfare.
3. Compare food and agriculture commodities produced in southern Alberta including composition, nutrients, food safety, security, and processing techniques.
4. Examine agriculture technologies, including automation, robotics, biotechnology, precision agriculture, and genetics.

### Assessments:

- Lab Assignments
- Quizzes
- Exams

### Required Equipment & Materials:

- None

### Transferability:

- *Approved Elective for:* General Arts and Sciences
- *External Transfer Equivalent at:* No transfer opportunities offered at this time.



*This course is included in the lineup of Southern Alberta Collegiate Institute programming.*



## BIO1155 - HUMAN NUTRITION \*PENDING APPROVAL

*Offered in the Winter semester*

**Delivery Method:** Online asynchronous

**Total Hours:** 45

**Post-Secondary Credits:** 3

**High School Credits:** 5

**Pre-Requisites:** BIO-30

**Materials Cost:** \$150

**Eligibility:** Open to all

### Course Description:

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.

### Course Outcomes:

1. Recognize the relationship between nutrition and health.
2. Identify and explain the roles of carbohydrates, lipids, proteins, vitamins, minerals and water in the body.
3. Explain the connection between nutrition, energy and metabolism in the human body.
4. Identify the differing nutritional needs of the body through life stages such as pregnancy, infancy through adolescence, and adulthood.
5. Understand the importance of food additives, environmental toxins, and food preparation practices.

### Assessments:

- Assignments
- Quizzes
- Exam

### Required Equipment & Materials:

- Textbook

### Transferability:

- *Required course for:* General Arts and Sciences - Kinesiology Certificate, Bachelor of Nursing, Exercise Science
- *Approved elective for:* General Arts and Sciences - Health Science Certificate, General Arts and Sciences - Science Certificate
- *External Transfer Equivalent at:* Ambrose University, Athabasca University, Concordia University of Edmonton, The King's University, MacEwan University, Mount Royal University, St. Mary's University, University of Alberta, University of Lethbridge, University of Regina

## BIO1156 - WELLNESS & HEALTH ISSUES

*Offered in the Fall semester*

**Delivery Method:** Online asynchronous

**Total Hours:** 45

**Post-Secondary Credits:** 3

**High School Credits:** 5

**Pre-Requisites:** None

**Materials Cost:** \$50 (approx.)

**Eligibility:** Open to all

### Course Description:

An overview of the dimensions of wellness, including physical, emotional, social, intellectual, spiritual, occupational and environmental wellness. A focus on the concepts of the dimensions and specific areas of health and wellness within the context of community including cost to the Health Care System. The analysis, explanation and identification of individualized strategies of personal health issues and dimensions of wellness to build resiliency and take responsibility for one's own health.

### Course Outcomes:

1. Define dimensions of wellness and discuss interconnection of each for overall health and wellness.
2. Apply transtheoretical model of change to wellness dimensions for personal and professional scenarios.
3. Promote health by applying strategies in components of health-related fitness, exercise and nutrition.
4. Discuss psychosocial dimensions of wellness and identify strategies for improving personal and professional balance for psychosocial health.
5. Recognize the effects of stress on dimensions of wellness, and demonstrate, compare and contrast strategies to manage stress.
6. Identify and discuss current issues related to health and wellness, including health and safety issues.
7. Discuss and plan strategies to build resiliency in personal and professional wellness that assist in healthy active aging.

### Assessments:

- Reflections
- Quizzes
- Assignments

### Required Equipment & Materials:

- Textbook

### Transferability:

- *Required course for:* Practical Nurse
- *Approved Elective for:* General Arts and Science, Exercise Science
- *External Transfer Equivalent at:* Athabasca University, Concordia University of Edmonton, King's University, MacEwan University, Mount Royal, Norquest College, Northern Lakes College, University of Lethbridge, University of Regina

# BIO1160 - ANATOMY AND PHYSIOLOGY I

*Offered in the Winter semester*

**Delivery Method:** Online asynchronous + several optional on-campus labs

**Total Hours:** 60

**Post-Secondary Credits:** 3

**High School Credits:** 5

**Pre-Requisites:** BIO 30

**Materials Cost:** \$200 (approx.)

**Eligibility:** Open to all

## Course Description:

A comprehensive study of anatomical terms, body organization, basic chemistry, histology, skeletal system, muscular system, digestive system and the reproductive system. Labs include study of the skeleton, muscles and histology.

## Course Outcomes:

1. Explain the basic structure and function of the major skeletal, muscular, digestive and reproductive systems at the biochemical, cellular, tissue, organ and organ system levels.
2. Recognize and name the detailed structures of the skeletal, muscular, digestive and reproductive systems using scientific and medical terminology.
3. Use compound and dissection microscopes to view tissue structures.
4. Work in group and individualized learning settings with anatomical materials and models.
5. Use anatomical language to describe body organization and the location of various body parts, and give examples of practical applications where such language is used and is necessary.

## Assessments:

- Exams
- Case Studies
- Discussion Posts

## Required Equipment & Materials:

- Various textbooks

## Transferability:

- *Required course for:* Bachelor of Nursing, Practical Nursing, Massage Therapy
- *Approved Elective for:* Criminal Justice - Corrections, Criminal Justice - Policing, General Arts and Science
- *External Transfer Equivalent at:* Athabasca University, Bow Valley College, Concordia University of Edmonton, King's University, MacEwan University, Medicine Hat College, Mount Royal University, SAIT, St. Mary's University, University of Alberta, University of Calgary, University of Lethbridge, University of Regina

## BIO1167 - BOTANY

*Offered in the Winter semester*

**Delivery Method:** Online asynchronous + mandatory three-day, in-person lab at PEAKS Campus. *Schedule TBD*

**Total Hours:** 75

**Post-Secondary Credits:** 3

**High School Credits:** 5

**Pre-Requisites:** Grade 11/12

**Materials Cost:** \$150 (approx.)

**Eligibility:** Open to all

### Course Description:

An introduction to plant evolution and diversity with a focus on angiosperms (flowering plants). Emphasis is on plant anatomy, physiology and the effects of abiotic and biotic factors on plant growth and development.

### Course Outcomes:

1. Describe the functional and adaptive significance of plant cells, tissues and organs.
2. Illustrate the evolutionary origin and the major phylogenetic branches of plants.
3. Outline the mechanisms involved in the movement of water and organic matter in plants.
4. Describe biotic and abiotic factors that affect plant growth and development.
5. Compare and contrast the processes of photosynthesis and cellular respiration in plants.
6. Explain basic principles of genetics relating to plant propagation and survival.

### Assessments:

- Lab Assignments
- Quizzes
- Lab Exams
- Final Exam

### Required Equipment & Materials:

- Various textbooks

### Transferability:

- *Required course for:* Natural Resource Compliance, Renewable Resource Management, Agriculture Sciences, Environmental Assessment and Restoration
- *External Transfer Equivalent at:* Concordia University of Edmonton, Medicine Hat College, University of Calgary, University of Lethbridge



SOUTHERN ALBERTA  
COLLEGIATE INSTITUTE



*This course is included in the lineup of PEAKS Campus Collegiate + Southern Alberta Collegiate Institute programming.*

## BIO1172 - ECOLOGY

*Offered in the Fall semester*

**Delivery Method:** Online asynchronous + mandatory three-day, in-person lab at PEAKS Campus. *Schedule TBD*

**Total Hours:** 75

**Post-Secondary Credits:** 3

**High School Credits:** 5

**Pre-Requisites:** None

**Materials Cost:** \$200 (approx.)

**Eligibility:** Open to all

### Course Description:

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.

### Course Outcomes:

1. Explain the development of ecology as a science and the importance of ecological relationships.
2. Analyze the role and importance of the physical environment in relation to the conditions for life.
3. Describe population ecology and summarize the mechanisms that affect population sizes.
4. Summarize the different types of interspecific and intraspecific interactions that occur.
5. Examine community ecology and the factors that influence it.
6. Describe ecosystem ecology and the processes involved.
7. Discuss foundational biogeography concepts with respect to terrestrial and aquatic ecosystems.

### Course Assessments:

- Research Reports
- Quizzes
- Lab Assignments
- Exams
- Homework

### Required Equipment & Materials:

- Various textbooks

### Transferability:

- *Required course for:* Natural Resource Compliance, Renewable Resource Management, Environmental Assessment and Restoration
- *External Transfer Equivalent at:* Athabasca University, Concordia University of Edmonton, Medicine Hat College, University of Calgary, University of Lethbridge



*This course is included in the lineup of PEAKS Campus Collegiate programming.*

**BE READY.**

## BUS1170 - INTRODUCTION TO MANAGEMENT

*Offered in the Fall semester*

**Delivery Method:** Online asynchronous

**Total Hours:** 45

**Post-Secondary Credits:** 3

**High School Credits:** 5

**Pre-Requisites:** None

**Materials Cost:** \$110 (approx.)

**Eligibility:** Open to all

### Course Description:

The exploration of the four basic components of management: planning, organizing, leading and controlling. Includes theoretical background as well as practical application through case study analysis.

### Course Outcomes:

1. Recall characteristics and functions of effective teams and apply them in their own student teamwork.
2. Analyze organizational structure and distinguish between characteristics which influence culture.
3. Apply predominant leadership and motivational theories to real life situations.
4. Use the planning and decision-making process to solve management problems.
5. Set strategic plans, goals, and objectives for organizations and your career.
6. Identify the forces for change and utilize the change process in a real-life exercise.
7. Discuss the need for managerial ethics and corporate social responsibility while exploring a corporation's (sometimes conflicting) duty to their shareholders and society at large.
8. Examine human resource management process, and how it relates to overall corporate strategy.
9. Analyze control process using an effective control system to determine required corrective actions.
10. Integrate self-analysis and reflection using critical thinking and scholarly review processes.

### Assessments:

- Quizzes
- Discussions
- Case Studies
- Essays
- Exams

### Required Equipment & Materials:

- Textbook

### Transferability:

- *Required course for:* Business Administration, Computer Information Technology, Agriculture Sciences - Business Major
- *Approved Elective for:* Criminal Justice - Corrections, Criminal Justice - Policing, General Arts and Science
- *External Transfer Equivalent at:* Ambrose University, Athabasca University, Bow Valley College, College of the Rockies, Concordia University of Edmonton, Mount Royal University, Northwestern Polytechnic, SAIT, St. Mary's University, University of Calgary, University of Lethbridge, University of Regina

## BUS1177 - ENTREPRENEURSHIP

*Offered in the Winter semester*

**Delivery Method:** Online asynchronous

**Total Hours:** 45

**Post-Secondary Credits:** 3

**High School Credits:** 5

**Pre-Requisites:** None

**Materials Cost:** \$130 (approx.)

**Eligibility:** Open to all

### Course Description:

An interactive exploration of the concept of entrepreneurship and assessing one's suitability and capacity for it. Involves learning to differentiate between mere ideas and true entrepreneurial opportunities. Includes assessing the implementation of entrepreneurial endeavor and an exploration of the issues relating to new business start-up.

### Course Outcomes:

1. Explore, analyze and explain the broad concept of entrepreneurship.
2. Identify and evaluate your capacity as an entrepreneur and the process to become one.
3. Relying upon a feasibility framework, differentiate and articulate the difference between a mere idea and an entrepreneurial opportunity.
4. Assess a plan of implementation of entrepreneurial endeavor.

### Assessments:

- Exams
- Case Studies
- Quizzes
- Assignment & Presentation
- Essays

### Required Equipment & Materials:

- Textbook

### Transferability:

- *Required course for:* Business Administration, Virtual and Augmented Reality, Administrative Office Professional
- *Approved Elective for:* Computer Information Technology
- *External Transfer Equivalent at:* Ambrose University, Athabasca University, Bow Valley College, College of the Rockies, Concordia University of Edmonton, MacEwan, Mount Royal University, SAIT, Northwestern Polytechnic, University of Alberta, University of Calgary, University of Lethbridge, University of Regina



## CAD1160 - GRAPHIC COMMUNICATIONS

*Offered in the Fall semester*

**Delivery Method:** Online asynchronous + weekly mandatory two-hour, online synchronous lab. *Schedule TBD*

**Total Hours:** 90

**Post-Secondary Credits:** 3

**High School Credits:** 5

**Pre-Requisites:** Math 20-2, 70% or better

**Materials Cost:** \$150 (approx.)

**Eligibility:** Open to all

### Course Description:

The application of AutoCAD in the production of engineering drawings to acceptable industry standards. Incorporating the use of productivity tools and techniques for efficient CAD drawing. An introduction to 3D modeling and advanced applications and customization techniques applicable to AutoCAD.

### Course Outcomes:

1. Demonstrate how to manage the AutoCAD environment, manage files, create and select objects.
2. Apply basic geometric construction and editing techniques.
3. Demonstrate effective hatching, annotation and plotting through the use of templates, creating hatching, managing annotation styles, creating annotations and applying plotting techniques.
4. Create, edit and manage blocks, external references and attribute information.
5. Apply basic 3D construction, editing and presentation techniques

### Assessments:

- Power Tests
- Plot Plan Project
- 3D Activity
- In-Class Activities

### Required Equipment & Materials:

- Textbook
- AutoCAD Software
- Storage Device

### Transferability:

- *Required course for:* Civil Engineering Technology, Engineering Design Technology
- *External Transfer Equivalent at:* SAIT



# CJP1160 - INTRODUCTION TO THE CRIMINAL JUSTICE SYSTEM

*Offered in the Winter semester*

**Delivery Method:** Online asynchronous

**Total Hours:** 45

**Post-Secondary Credits:** 3

**High School Credits:** 5

**Pre-Requisites:** ENG 20-1 or ENG 20-2

**Materials Cost:** \$60 (approx.)

**Eligibility:** Open to all

## Course Description:

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.

## Course Outcomes:

1. Describe the structure and function of each major component of the criminal justice system in Canada.
2. Identify the importance of due process and compare and contrast the crime control and due process philosophies in the criminal justice system.
3. Compare and contrast the traditional organizational structure and function of police services with current trends in policing such as community policing and problem-oriented policing.
4. Examine current issues in Canadian policing, including the role and practice of police discretion, police misconduct, and police accountability.
5. Analyze crime trends and patterns and describe how crime is measured, using various surveys and reporting systems.
6. Explain and outline the court system in Canada.
7. Explain different philosophies of criminal sentencing and punishment and the victim's role in sentencing.
8. Describe the history of corrections in Canada and the current organizational structure.
9. Examine current correctional agencies and programs.

## Assessments:

- Quizzes
- Discussion
- Exams
- Assignments

## Required Equipment & Materials:

- Textbook

## Transferability:

- *Required course for:* Criminal Justice - Corrections, Criminal Justice - Policing
- *External Transfer Equivalent at:* Ambrose University, Athabasca University, Bow Valley College, College of the Rockies, Concordia University of Edmonton, MacEwan University, Mount Royal University, University of Lethbridge, University of Regina

## COM1162 - INTERPERSONAL RELATIONSHIPS AND COMMUNICATION

*Offered in the Fall + Winter semesters*

**Delivery Method:** Online asynchronous

**Total Hours:** 45

**Post-Secondary Credits:** 3

**High School Credits:** 5

**Pre-Requisites:** None

**Materials Cost:** \$120 (approx.)

**Eligibility:** Open to all

### Course Description:

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.

### Course Outcomes:

1. Define and analyze interpersonal communication, including self-concept, perception, emotions and verbal and non-verbal messages.
2. Recognize and discuss the ways culture, gender and social roles affect interpersonal communication.
3. Demonstrate effective communication skills in personal and work environments.
4. Work to create positive interpersonal relationships in which open, honest communication and effective conflict resolution can occur.
5. Identify and demonstrate effective strategies of active listening and empathetic responding.

### Assessments:

- Quizzes
- Discussion
- Applications
- Final Project
- Self-Assessments

### Required Equipment & Materials:

- Textbook

### Transferability:

- *Required course for:* Administrative Office Professional, Agriculture Sciences, Business Administration, Educational Assistant, Exercise Science, Medical Device Reprocessing, Multimedia Production, Pathway to English and Academic Culture, Practical Nurse, Therapeutic Recreation Gerontology, Unit Clerk
- *Approved Elective for:* General Arts and Science, Computer Information Technology
- *External Transfer Equivalent at:* Ambrose University, Athabasca University, Bow Valley College, College of the Rockies, Concordia University of Edmonton, King's University, MacEwan, Mount Royal University, NorQuest College, Northern Lakes College, Olds College, Prairie College, SAIT, St. Mary's University, University of Alberta, University of Lethbridge



# COM1165 - PUBLIC SAFETY COMMUNICATIONS/INTERPERSONAL RELATIONS

*Offered in the Fall semester*

**Delivery Method:** Online asynchronous

**Total Hours:** 45

**Post-Secondary Credits:** 3

**High School Credits:** 5

**Pre-Requisites:** None

**Materials Cost:** \$90 (approx.)

**Eligibility:** Open to all

## Course Description:

The development of professional and personal communication skills. An emphasis on actively listening, communicating verbally and non-verbally, collaborating with others, and presenting effectively. A focus on recognizing personal strengths to function in a team setting. Relevant public safety topics are used as a basis for further research and presentation.

## Course Outcomes:

1. Identify and develop personal strengths and competencies for effective performance in public safety careers.
2. Demonstrate constructive verbal and non-verbal communication techniques.
3. Describe professionalism in context of public service and relate this to public safety competencies.
4. Apply effective teamwork strategies to collaboratively solve problems and deal effectively with interpersonal issues.
5. Research, prepare and deliver presentations on justice-related topics.

## Assessments:

- Quizzes
- Discussion
- Applications
- Final Project
- Self-Assessments

## Required Equipment & Materials:

- Various textbooks

## Transferability:

- *Required course for:* Criminal Justice - Corrections, Criminal Justice - Policing
- *External Transfer Equivalent at:* Concordia University of Edmonton, MacEwan University, St. Mary's University, University of Lethbridge

# CSP1150 – MEDICAL TERMINOLOGY/ANATOMY & PHYSIOLOGY

*Offered in the Fall semester*

**Delivery Method:** Online asynchronous

**Total Hours:** 45

**Post-Secondary Credits:** 3

**High School Credits:** 5

**Pre-Requisites:** None

**Materials Cost:** \$100 (approx.)

**Eligibility:** Open to all

## **Course Description:**

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.

## **Course Outcomes:**

1. Understanding of basic human anatomy and physiology and related word elements.
2. Correlate medical words to radiographic (by drawing body structures), surgical and diagnostic information.
3. Competent pronunciation and spelling of medical words and medical abbreviations to facilitate computer communication skills (oral and written) necessary in a medical setting.
4. Increased awareness of common disease processes, treatment and basic pharmacology.
5. Transfer of medical word building skills to hospital and medical clinic setting.

## **Assessments:**

- Discussions
- Exams
- Quizzes
- Case Studies
- Final Exam

## **Required Equipment & Materials:**

- Various textbooks

## **Transferability:**

- *Required course for:* Massage Therapy, Medical Device Reprocessing, Unit Clerk
- *External Transfer Equivalent at:* Athabasca University, MacEwan University, University of Lethbridge

## ECE1151 - HEALTH, NUTRITION AND SAFETY

*Offered in the Fall semester*

**Delivery Method:** Online asynchronous

**Total Hours:** 45

**Post-Secondary Credits:** 3

**High School Credits:** 5

**Pre-Requisites:** None

**Materials Cost:** \$135 (approx.)

**Eligibility:** Open to all

### Course Description:

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.

### Course Outcomes:

1. Display basic principles and practices that support a wellness lifestyle for yourself and children in your care.
2. Identify government regulations and how they ensure the maintenance of a healthy and safe environment for young children and adults in childcare settings and in-home settings.
3. Describe signs and symptoms of childhood diseases, methods of preventing escalation and spread of infections, and ways of caring for those who are ill.
4. Demonstrate menu planning that accounts for the value of nutrients in foods, food safety measures, nutrition requirements for adults and children and the social/emotional and cultural implications of food.
5. Describe elements that can cause injuries, methods for avoiding injuries and possible responses in the event of injuries.
6. Describe the probable factors resulting in child abuse, detection signs and protocol for reporting suspected child abuse to appropriate authorities and agencies.

### Assessments:

- Analysis
- Application Activities
- Midterm Exam
- Final Exam

### Required Equipment & Materials:

- Textbook

### Transferability:

- *Required course for:* Early Childhood Education
- *External Transfer Equivalent at:* Bow Valley College, Concordia University of Edmonton, MacEwan University, Medicine Hat College, Portage College, University of Lethbridge

## ECE1155 - INTRODUCTION TO EARLY CHILDHOOD EDUCATION

*Offered in the Fall + Winter semesters*

**Delivery Method:** Online asynchronous

**Total Hours:** 45

**Post-Secondary Credits:** 3

**High School Credits:** 5

**Pre-Requisites:** None

**Materials Cost:** \$105 (approx.)

**Eligibility:** Open to all

### Course Description:

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 educator and will examine their own personal philosophy for early childhood work in light of current, appropriate child care practices.

### Course Outcomes:

1. Define Early Childhood Education and identify resources which support quality child care.
2. Define, examine, identify and evaluate roles, responsibilities and traits of early childhood educators.
3. Identify the beliefs of 12 educators who have influenced Early Childhood Education.
4. Define the developmental interactionist philosophy and developmentally appropriate practice.
5. Identify indicators of quality in early learning and child care.
6. Define child development.
7. Identify the how the educator's image of the child can support the developmental needs of infants, toddlers and preschoolers.
8. Describe Erikson's theory of human development and Piaget's cognitive theory.
9. Describe current political and social/economic issues which impact the field of Early Childhood Education.
10. Formulate a personal philosophy of Early Childhood Education which supports current beliefs about children's developmental needs and illustrates developmentally appropriate practice.

### Assessments:

- Presentation
- Discussions
- Case Study
- Assignments

### Required Equipment & Materials:

- Various textbooks

### Transferability:

- *Required course for:* Early Childhood Education
- *Approved Elective for:* Educational Assistant
- *External Transfer Equivalent at:* Bow Valley College, Concordia University of Edmonton, The King's University, Lakeland College, Portage College





## EDU1153 - FOUNDATIONS OF EDUCATIONAL ASSISTANCE

*Offered in the Fall semester*

**Delivery Method:** Online asynchronous

**Total Hours:** 45

**Post-Secondary Credits:** 3

**High School Credits:** 5

**Pre-Requisites:** None

**Materials Cost:** None

**Eligibility:** Open to all

### Course Description:

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.

### Course Outcomes:

1. Explain the importance of the development of our schooling systems from a historical point of view.
2. Identify the role of the educational assistant in a variety of situations.
3. Explain their personal philosophy of education.
4. Define professionalism as it relates to assistants and educational institutions.
5. Define disability generally and terms associated with the seven disability categories.
6. Identify the developmental consequences of the seven disability categories from an educational perspective.
7. Write about one disability, its developmental consequences and the educational strategies recommended by research.

### Assessments:

- Discussions
- Quizzes
- Journals
- Assignments

### Required Equipment & Materials:

- None

### Transferability:

- *Required course for:* Educational Assistant
- *External Transfer Equivalent at:* Athabasca University

## ENG1150 - COMPOSITION

*Offered in the Fall + Winter semesters*

**Delivery Method:** Online asynchronous

**Total Hours:** 45

**Post-Secondary Credits:** 3

**High School Credits:** 5

**Pre-Requisites:** None

**Materials Cost:** None

**Eligibility:** Open to all

### Course Description:

The 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 expectation 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.

### Course Outcomes:

1. Identify and explain how an academic writer establishes authority.
2. Identify and analyze kinds of rhetorical choices an academic author makes within a particular discipline.
3. Differentiate between form and content, style and voice, subjective and objective discourse.
4. Use library and electronic research strategies to locate information.
5. Read, summarize and abstract information from essays, articles and books.
6. Write documents that successfully incorporate academic research writing strategies.
7. Write research prose that develops an academic claim anchored by source material and follows APA format and documentation guidelines (or another appropriate format system).
8. Demonstrate control over features such as syntax, grammar, punctuation, usage and spelling.
9. Write and edit documents to enhance readability, coherence, clarity, conciseness, unity and tone.

### Assessments:

- Quizzes & Activities
- Assessments
- Essays

### Required Equipment & Materials:

- None

### Transferability:

- *Required course for:* Interior Design Technology, Natural Resource Compliance, Bachelor of Nursing, Practical Nurse, Renewable Resource Management, Therapeutic Recreation Gerontology, Agriculture Sciences, Child and Youth Care, Criminal Justice - Corrections, Criminal Justice - Policing, Early Childhood Education, Environmental Assessment and Restoration
- *Approved Elective for:* General Arts and Science, Exercise Science, Educational Assistant
- *External Transfer Equivalent at:* Athabasca University, Bow Valley College, College of the Rockies, Concordia University of Edmonton, Keyano College, The King's University, MacEwan University, Medicine Hat College, Mount Royal, Northern Lakes College, Portage College, Prairie College, St. Mary's University, University of Alberta, University of Lethbridge, University of Regina

## ENG1159 - WRITING FOR THE WORKPLACE

*Offered in the Fall + Winter semesters*

**Delivery Method:** Online asynchronous

**Total Hours:** 45

**Post-Secondary Credits:** 3

**High School Credits:** 5

**Pre-Requisites:** None

**Materials Cost:** \$100 (approx.)

**Eligibility:** Open to all

### Course Description:

An introduction to effective writing and communication skills for the workplace. Emphasis on creating a variety of writing applications targeting specific audiences and purpose using writing conventions that address not only the workplace but also post-secondary level writing that may include formatting and citation standards such as APA. Effective sentence structure, research, critical thinking and analytical skills are incorporated into the curriculum.

### Course Outcomes:

1. Choose appropriate channels for effective communication that apply to various audiences, purposes, formats and styles.
2. Apply research skills that contribute to written documents and other forms of communication.
3. Plan, organize and write professional documents that reflect current workplace standards.
4. Demonstrate critical thinking and analytical skills necessary for effective writing and communication in the work place.
5. Write error-free sentences that demonstrate readability, clarity, conciseness and appropriate tone.

### Assessments:

- Quizzes
- Exam
- Discussions
- Reports
- Correspondence

### Required Equipment & Materials:

- Textbook

### Transferability:

- *Required course for:* Interior Design, Massage Therapy, Medical Device Reprocessing, Unit Clerk, Administrative Office Professional, Architectural Animation Technology, Business Administration, Computer Information Technology, Exercise Science
- *Approved Elective for:* General Arts and Science
- *External Transfer Equivalent at:* Ambrose University, Athabasca University, Bow Valley College, College of the Rockies, Concordia University of Edmonton, The King's University, MacEwan University, Nothwestern Polytechnic, Red Deer Polytechnic, SAIT, University of Lethbridge, University of Alberta

## GEO1166 – PHYSICAL GEOLOGY

*Offered in the Fall semester*

**Delivery Method:** Online asynchronous + mandatory three-day, in-person lab at PEAKS Campus. *Schedule TBD*

**Total Hours:** 75

**Post-Secondary Credits:** 3

**High School Credits:** 5

**Pre-Requisites:** None

**Materials Cost:** \$150 (approx.)

**Eligibility:** Open to all

### Course Description:

An introduction to the study of physical geology through the exploration of the dynamic forces that shape the Earth.

### Course Outcomes:

1. Identify 15 common minerals in hand specimen using physical properties and field tests.
2. Identify 15 common rocks in hand specimen using physical properties and field tests.
3. Describe the origins, compositions and morphologies of common landforms from volcanism, intrusive igneous activity, karst, mass wasting, streams, glaciers and wind.
4. Identify the common landforms in topographic maps, bedrock geology maps, surficial geology maps, aerial photographs and in the field.
5. Identify and describe varied types of geologic structures of joints, faults and folds in lab and field settings.
6. Describe the origin, nature and hazardous effects of earthquakes.
7. Describe and explain the parts of the earth's interior and the basic tenets of the theory of plate tectonics, including the types of plate boundaries, their motions and their consequences.

### Assessments:

- Lab/Field Trip Assignments
- Quizzes
- Exams

### Required Equipment & Materials:

- Rocks and minerals kit

### Transferability:

- *Required course for:* Natural Resource Compliance, Renewable Resource Management, Environmental Assessment and Restoration
- *External Transfer Equivalent at:* Athabasca University, King's University, MacEwan University, Medicine Hat College, Mount Royal University, University of Lethbridge, University of Regina



*This course is included in the lineup of PEAKS Campus Collegiate programming.*



## GME1110 – INTRO TO GAME DEVELOPMENT \*PENDING APPROVAL

*Offered in the Winter semester*

**Delivery Method:** Online asynchronous

**Total Hours:** 45

**Post-Secondary Credits:** 3

**High School Credits:** 5

**Pre-Requisites:** None

**Materials Cost:** None

**Eligibility:** Open to all

### Course Description:

A foundational overview of game development that introduces processes and skills for creating interactive experiences. Covering key aspects of game art, production, and design, students will explore foundational 3D modeling techniques, gain hands-on experience with industry-standard game engines and learn about the essential roles within a game development team. Additionally, students will learn the importance of the Game Design Document (GDD) and how to develop one effectively.

### Course Outcomes:

1. Develop and utilize a Game Design Document
2. Describe the roles essential to a Game Development team
3. Utilize industry-standard game engines for game development
4. Design game environments using foundational 3D modeling skills

### Assessments:

- Projects
- Presentations

### Required Equipment & Materials:

- Various Software (Unity, Unreal, Blender)

### Transferability:

- *No transfer information available at this time.*

## IDM1163 - DESIGN HISTORY I \*PENDING APPROVAL

*Offered in the Fall semester*

**Delivery Method:** Online asynchronous

**Total Hours:** 45

**Post-Secondary Credits:** 3

**High School Credits:** 5

**Pre-Requisites:** None

**Materials Cost:** \$200 (approx.)

**Eligibility:** Open to all

### **Course Description:**

An exploration of the development of design history of western civilization and the impact of physical, socio-economic, political and cultural environments on historical design. Focus is on design styles, designers, architects, periods, movements and materials. Time frame is from Ancient Civilizations into the 18th century.

### **Course Outcomes:**

1. Identify and describe details and terminology specific to historic design.
2. Analyze the impact of physical, socio-economic, political and cultural environments on historic design.
3. Compare and contrast historic design with contemporary design.
4. Apply library-based research strategies to locate, summarize and abstract information.
5. Compose and edit projects for clarity, coherence, accuracy and conciseness.

### **Assessments:**

- Discussions
- Exams

### **Required Equipment & Materials:**

- Textbooks

### **Transferability:**

- *Required course for:* Architectural Animation Technology, Interior Design Technology
- *External Transfer Equivalent at:* University of Lethbridge



## IDM1179 - DESIGN FUNDAMENTALS

*Offered in the Fall semester*

**Delivery Method:** Online asynchronous + weekly mandatory two-hour, online synchronous lab. *Schedule TBD*

**Total Hours:** 60

**Post-Secondary Credits:** 3

**High School Credits:** 5

**Pre-Requisites:** Math 20-2, 70% or better

**Materials Cost:** \$125 (approx.)

**Eligibility:** Open to all

### Course Description:

This course provides an overview of the basic elements and principles of design. Understanding of the human-built environment is explored creatively using two- and three-dimensional problem-solving techniques. Space, form and context are analyzed and applied to various design challenges.

### Course Outcomes:

1. Identify the elements and principles of design including theory and practical application.
2. Explore creativity within manipulation of elements and principles of design integral to human-built environment design.
3. Apply elements and principles of design through projects and exercises.
4. Develop creative problem solving.
5. Demonstrate a variety of presentation techniques and appropriate layout of work.

### Assessments:

- Software Assignments
- Lab Exercises

### Required Equipment & Materials:

- Sketch Up Pro and Enscape software programs
- Camera (phone)

### Transferability:

- *Required course for:* Architectural Animation Technology, Interior Design Technology
- *External Transfer Equivalent at:* University of Lethbridge



## INS1155 - INTRODUCTION TO INDIGENOUS STUDIES

*Offered in the Fall + Winter semesters*

**Delivery Method:** Online asynchronous

**Total Hours:** 45

**Post-Secondary Credits:** 3

**High School Credits:** 5

**Pre-Requisites:** None

**Materials Cost:** \$125 (approx.)

**Eligibility:** Open to all

### **Course Description:**

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.

### **Course Outcomes:**

1. Demonstrate awareness of cultural diversity as a means of enhancing interpersonal relations and self-development.
2. Demonstrate knowledge of major events concerning Indigenous (First Nations, Métis and Inuit) history in Canada from pre-contact to present.
3. Demonstrate knowledge of political and legal processes (i.e. treaties, legislation) and government program/initiatives relating to Indigenous peoples territory/land, culture and language.
4. Demonstrate understanding of the root causes of political, legal, economic, justice/criminal, social and health issues faced by Indigenous peoples.
5. Demonstrate critical analysis of current events within a cross-cultural and historical context through written and verbal arguments.
6. Demonstrate ability to carry out original research and apply to an issue raised in class or through the readings.

### **Assessments:**

- Activities
- Journals
- Quizzes

### **Required Equipment & Materials:**

- Various textbooks

### **Transferability:**

- *Required course for:* Bachelor of Nursing
- *Approved Elective for:* Bachelor of Agriculture Science, Criminal Justice - Corrections, Criminal Justice - Policing, Business Administration, Educational Assistant
- *External Transfer Equivalent at:* Athabasca University, Bow Valley College, Keyano College, Mount Royal University, MacEwan University, SAIT, University of Alberta, University of Calgary, University of Lethbridge, University of Regina

# LAW1177 - INTRODUCTION TO PROCEDURAL LAW IN CANADA

*Offered in the Fall semester*

**Delivery Method:** Online asynchronous

**Total Hours:** 45

**Post-Secondary Credits:** 3

**High School Credits:** 5

**Pre-Requisites:** None

**Materials Cost:** \$125 (approx.)

**Eligibility:** Open to all

## Course Description:

An exploration of the Criminal Code, Corrections and Conditional Release Act and other Federal Statutes focusing on statute law, including interpreting, understanding and applying criminal procedural requirements. The Criminal Code, Corrections and Conditional Release Act, Youth Criminal Justice Act, Controlled Drugs and Substances Act, and the Charter of Rights and Freedoms are examined with emphasis on offence classification, arrest, release, use of force, and self defence provisions. Case law will also be reviewed to emphasize the materials covered.

## Course Outcomes:

1. Describe and navigate the structure of statutes, and the rules for locating definitions of words and phrases as part of statute information in Federal Acts.
2. Differentiate between and explain the sources of law.
3. Describe the impact of the Charter of Rights and Freedoms on Canadian criminal and correctional law.
4. Explain the basic elements and parties to the offence which must be proven in any criminal, quasi-criminal and extrajudicial proceedings.
5. Classify offences according to the criminal code, the CCRA and other federal and provincial legislation.
6. Explain the law and defenses relating to the use of force contained in the Criminal Code and CCRR.
7. Explain statutory powers of arrest and release authorities for policing.
8. Explain the arrest, search and seizure and discipline protocols from a correctional institution.

## Assessments:

- Exams
- Discussions
- Case Studies

## Required Equipment & Materials:

- Textbook

## Transferability:

- *Required course for:* Criminal Justice - Corrections, Criminal Justice - Policing
- *External Transfer Equivalent at:* No transfer opportunities offered at this time.

## MKT1188 – INTRODUCTION TO MARKETING \*PENDING APPROVAL

*Offered in the Winter semester*

**Delivery Method:** Online asynchronous

**Total Hours:** 45

**Post-Secondary Credits:** 3

**High School Credits:** 5

**Pre-Requisites:** None

**Materials Cost:** \$150

**Eligibility:** Open to all

### **Course Description:**

An intensive orientation to all aspects of marketing including management's role in market research, understanding consumer behaviour, targeting, planning, and developing products. Includes decision making regarding pricing strategies, appropriate communication methods and tools, and logistics and distribution channels. Case studies are used to provide the context of actual businesses and to analyze problems and concepts regarding all aspects of marketing.

### **Course Outcomes:**

1. Describe the role of marketing in Canada's economy and individual businesses.
2. Acquire and apply basic tools used by all marketers.
3. Critique the use of marketing tools by various types of businesses.
4. Select and justify marketing tools appropriate to various types of businesses and consumers.
5. Solve marketing problems/cases by analyzing the issues and applying principles and theories to formulate potential solutions or ways to proceed.

### **Assessments:**

- Case Studies
- Exams
- Reflections

### **Required Equipment & Materials:**

- Textbook

### **Transferability:**

- *Required course for:* Business Administration, Computer Information Technology, Agriculture Sciences - Business
- *External Transfer Equivalent at:* Ambrose University, Athabasca University, Bow Valley College, Burman University, College of the Rockies, King's University, MacEwan University, Mount Royal University, Northwestern Polytechnic, SAIT, University of Alberta, University of Calgary, University of Lethbridge, University of Regina

## MTH1150 – ENGINEERING MATH I

*Offered in the Fall semester*

**Delivery Method:** Online asynchronous

**Total Hours:** 90

**Post-Secondary Credits:** 3

**High School Credits:** 5

**Pre-Requisites:** Math 20-2, 70% or better

**Materials Cost:** \$80 (approx.)

**Eligibility:** Open to all

### Course Description:

An introduction to the mathematical concepts required for the engineering technologies in preparation for calculus. Topics include unit analysis and unit conversion, the Cartesian coordinate plane, algebraic equations, trigonometric functions, and problem-solving skills. Mathematical concepts will be applied to physical problems including vector analysis, surveying applications, friction, optical instruments and kinematics. Introductory calculus topics include limits, slope and area under the curve.

### Course Outcomes:

1. Solve basic algebra equations and arithmetic questions involving fractions, decimals, signed numbers, exponents and order of operations with and without the aid of a calculator.
2. Solve questions in Analytical Geometry and the Cartesian coordinate plane involving distances, slopes and circles.
3. Graph various functions in the Cartesian Plane and determine some of their important characteristics including symmetry, domain, range, scaling and shifting.
4. Solve all types of algebra problems involving factoring quadratics, rational expressions, trigonometric functions, and exponential and logarithmic functions.
5. Apply vector analysis to dynamic and static engineering problems.
6. Apply Newton's Laws to engineering applications.
7. Apply work, friction and heat energy principles to engineering applications.
8. Solve for derivatives using the definition to establish a strong connection between limits and derivatives.
9. Apply the principles of optics to engineering instruments.
10. Solve problems involving limits and explain their connection to the two main operations in Calculus: differentiation and integration.
11. Calculate derivatives using rules of differentiation.

### Assessments:

- Exams
- Assignments
- Quizzes

### Required Equipment & Materials:

- Textbook

### Transferability:

- *Required course for:* Civil Engineering Technology, Engineering Technology
- *External Transfer Equivalent at:* Athabasca University, SAIT, St. Mary's University, University of Lethbridge

## PSC1165 - CANADIAN GOVERNMENT

*Offered in the Fall semester*

**Delivery Method:** Online asynchronous

**Total Hours:** 45

**Post-Secondary Credits:** 3

**High School Credits:** 5

**Pre-Requisites:** None

**Materials Cost:** \$125 (approx.)

**Eligibility:** Open to all

### Course Description:

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.

### Course Outcomes:

1. Analyze events within the context of the larger political system.
2. Diagram the basic structures of federalism in Canada and analyze their implications for government relations and for citizen-state relations.
3. Trace the historical development of our basic systems of government.
4. Examine how the institutions of Canadian government reflect ideas and structures adopted from British, American, and uniquely Canadian experiences.
5. Research governments and politics using new and conventional resources.
6. Examine the organization of the major institutions of government in Canada.
7. Analyze the development of Canada's constitution.
8. Recognize pluralism and multi-cultural societies.
9. Recognize opportunities for civic participation.

### Assessments:

- Quizzes
- Activities & Projects
- Exams

### Required Equipment & Materials:

- Textbook

### Transferability:

- *Approved Elective for:* Business Administration, Criminal Justice - Corrections, Criminal Justice - Policing, General Arts and Sciences
- *External Transfer Equivalent at:* Athabasca University, The King's University, MacEwan University, Mount Royal University, Northern Lakes College, University of Alberta, University of Calgary, University of Lethbridge



## PSY1160 - INTRODUCTION TO PSYCHOLOGY

*Offered in the Winter semester*

**Delivery Method:** Online asynchronous

**Total Hours:** 45

**Post-Secondary Credits:** 3

**High School Credits:** 5

**Pre-Requisites:** None

**Materials Cost:** \$100 (approx.)

**Eligibility:** Open to all

### Course Description:

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.

### Course Outcomes:

1. Discuss schools of psychology and beginnings of psychology as a science.
2. Identify the relationship between physiology and behaviour.
3. Identify theories of personality formation and assessment.
4. Describe the developmental issues spanning the prenatal environment, newborn, adolescence, and early, middle and later adulthood.
5. List and describe the features and functions of the central and peripheral nervous system.
6. Define intelligence and identify intelligence testing instruments.
7. Explain short and long-term memory and how we remember and/or forget information.
8. Describe the principles of learning (classical, operant, and observational).
9. Explain social perception, attitudes, social influences, prejudice, and discrimination.
10. Define abnormal behaviour, its causes, and the various approaches to therapy.
11. Examine several different psychological disorders, how they manifest and appropriate interventions.
12. Define stress, its impact, and how we cope with it.

### Assessments:

- Exams
- Quizzes
- Activities

### Required Equipment & Materials:

- Textbook

### Transferability:

- *Required course for:* Criminal Justice – Corrections, Criminal Justice – Policing, Bachelor of Nursing
- *Approved Elective for:* Business Administration, General Arts and Science
- *External Transfer Equivalent at:* Athabasca University, Bow Valley College, College of the Rockies, Concordia University of Edmonton, The King's University, MacEwan University, Medicine Hat, Mount Royal University, NorQuest, Northern Lakes College, SAIT, University of Alberta, University of Lethbridge

## TRA1131 - INTRODUCTION TO THE TRADES

*Offered in the Fall + Winter semesters*

**Delivery Method:** Online asynchronous + on-campus labs

**Total Hours:** 75

**Post-Secondary Credits:** 3

**High School Credits:** 5

**Pre-Requisites:** None

**Materials Cost:** \$250 (approx.)

**Eligibility:** Restricted to SACI Divisions

### Course Description:

As an introductory course, students will explore and experience 12 trades including plumber, welder, carpenter, electrician, power line technician, wind turbine technician, automotive technician, heavy equipment technician, agricultural heavy equipment technician, parts technician, cook and baker. Students will participate in both online knowledge-based work complemented with a hands-on component to developing key skills in each specific trade. This course will develop students' appreciation for trades and give them a better understanding of their own aptitude and interests.

### Course Outcomes:

1. Recognize their own aptitude and interests within the trades.
2. Demonstrate an introductory understanding of each individual trade.
3. Apply basic safety practices within each trade.
4. Apply knowledge of each trade skill set to lab situations.
5. Apply knowledge of tools to a lab situation.

### Assessments:

- Quizzes
- Labs (*Nine Fridays throughout the semester - subject to change*)
- Portfolio

### Required Equipment & Materials:

- Coveralls
- CSA-approved safety shoes/boots
- Safety glasses

### Transferability:

- *Approved Elective for:* General Arts and Sciences
- *External Transfer Equivalent at:* No transfer opportunities offered at this time.



*This course is included in the lineup of Southern Alberta Collegiate Institute programming.*



# TRA1132 - INTRODUCTION TO TRANSPORTATION TRADES

*Offered in the Winter semester*

**Delivery Method:** Online asynchronous + on-campus labs

**Total Hours:** 76

**Post-Secondary Credits:** 3

**High School Credits:** 5

**Pre-Requisites:** None

**Materials Cost:** \$250 (approx.)

**Eligibility:** Restricted to SACI Divisions

## Course Description:

Students will explore automotive, heavy-duty, agriculture equipment, and parts trades. Students will participate in both online knowledge-based work, complemented with a hands-on component to developing key skills in each specific trade. This course will develop students' appreciation for automotive, heavy-duty, agriculture equipment, and parts trades, giving them a refined understanding of their own aptitude and interests.

## Course Outcomes:

1. Evaluate your own aptitude and interests within automotive, heavy-duty, agriculture equipment and parts trades.
2. Demonstrate awareness of automotive, heavy-duty, agriculture equipment and parts trades environments.
3. Apply safe work practices within automotive, heavy-duty, agriculture equipment and parts trades.
4. Apply knowledge of automotive, heavy-duty, agriculture equipment and parts trades occupational skill sets to lab situations.
5. Apply knowledge of tools to automotive, heavy-duty, agriculture equipment and parts trades.
6. Recognize the relationship between automotive, heavy duty, agriculture equipment and parts trades.

## Assessments:

- Quizzes
- Labs (*Eight Fridays throughout the semester - subject to change*)
- Assignments
- Discussions
- Portfolio

## Required Equipment & Materials:

- Coveralls
- CSA-approved safety shoes/boots
- Safety glasses

## Transferability:

- *Approved Elective for:* General Arts and Sciences
- *External Transfer Equivalent at:* No transfer opportunities offered at this time.



*This course is included in the lineup of Southern Alberta Collegiate Institute programming.*

**BE READY.**

## TRA1133 - INTRODUCTION TO ELECTRICAL TRADES

*Offered in the Fall semester*

**Delivery Method:** Online asynchronous + on-campus labs

**Total Hours:** 60

**Post-Secondary Credits:** 3

**High School Credits:** 5

**Pre-Requisites:** None

**Materials Cost:** \$200 (approx.)

**Eligibility:** Restricted to SACI Divisions

### Course Description:

Students will explore electrical and wind turbine technician trades. Students will participate in online knowledge-based work, complemented with a hands-on component to developing key skills in each specific trade. This course will develop students' appreciation for electrical and wind turbine technician trades, giving them a refined understanding of their own aptitude and interests.

### Course Outcomes:

1. Evaluate your own aptitude and interests within electrical and wind turbine technician trades.
2. Demonstrate awareness of electrical and wind turbine technician trades environments.
3. Apply safe work practices within electrical and wind turbine technician trades.
4. Apply knowledge of electrical and wind turbine technician trades occupational skill sets to lab situations.
5. Apply knowledge of tools to electrical and wind turbine technician trades.

### Assessments:

- Quizzes
- Labs *(Eight Fridays throughout the semester - subject to change)*
- Assignments
- Discussions
- Portfolio

### Required Equipment & Materials:

- Gloves
- CSA-approved safety shoes/boots
- Safety glasses

### Transferability:

- *Approved Elective for:* General Arts and Sciences
- *External Transfer Equivalent at:* No transfer opportunities offered at this time.



*This course is included in the lineup of Southern Alberta Collegiate Institute programming.*



## TRA1134 - INTRODUCTION TO CONSTRUCTION TRADES

*Offered in the Fall semester*

**Delivery Method:** Online asynchronous + on-campus labs

**Total Hours:** 70

**Post-Secondary Credits:** 3

**High School Credits:** 5

**Pre-Requisites:** None

**Materials Cost:** \$250 (approx.)

**Eligibility:** Restricted to SACI Divisions

### Course Description:

Students will explore carpentry, welding and pipetrades. Students will participate in both online knowledge-based work, complemented with a hands-on component to developing key skills in each specific trade. This course will develop students' appreciation for carpentry, welding, and pipetrades trades, giving them a refined understanding of their own aptitude and interests.

### Course Outcomes:

1. Evaluate your own aptitude and interests within carpentry, welding and pipetrades.
2. Demonstrate awareness of carpentry, welding and pipetrades environments.
3. Apply safe work practices within carpentry, welding and pipetrades.
4. Apply knowledge of carpentry, welding and pipetrades occupational skill sets to lab situations.
5. Apply knowledge of tools to carpentry, welding and pipetrades.

### Assessments:

- Quizzes
- Labs (*Eight Fridays throughout the semester - subject to change*)
- Assignments
- Discussions
- Portfolio

### Required Equipment & Materials:

- Coveralls
- CSA-approved safety shoes/boots
- Safety glasses

### Transferability:

- *Approved Elective for:* General Arts and Sciences
- *External Transfer Equivalent at:* No transfer opportunities offered at this time.



*This course is included in the lineup of Southern Alberta Collegiate Institute programming.*

**BE READY.**

## TRA1135 - INTRODUCTION TO CULINARY TRADES

*Offered in the Winter semester*

**Delivery Method:** Online asynchronous + on-campus labs

**Total Hours:** 74

**Post-Secondary Credits:** 3

**High School Credits:** 5

**Pre-Requisites:** None

**Materials Cost:** None

**Eligibility:** Restricted to SACI Divisions

### Course Description:

Students will explore the culinary field through different thematic culinary experiences. Students will participate in both online knowledge-based work, complemented with a hands-on component to developing key skills in each specific trade that are applicable to everyday life. This course will develop students' appreciation for culinary trades, refining their own skills, aptitude, and interests.

### Course Outcomes:

1. Evaluate your own aptitude and interests within cooking and baking trades.
2. Demonstrate awareness of cooking and baking trades environments.
3. Apply safe work practices when cooking and baking.
4. Apply knowledge of cooking and baking trades occupational skill sets in lab situations.
5. Apply knowledge of equipment when cooking and baking

### Assessments:

- Quizzes
- Labs *(Seven Fridays throughout the semester - subject to change)*
- Assignments
- Discussions
- Portfolio

### Required Equipment & Materials:

- None

### Transferability:

- *Approved Elective for:* General Arts and Sciences
- *External Transfer Equivalent at:* No transfer opportunities offered at this time.



*This course is included in the lineup of Southern Alberta Collegiate Institute programming.*



## TRG1150 – INTRODUCTION TO THERAPEUTIC RECREATION

*Offered in the Fall semester*

**Delivery Method:** Online asynchronous

**Total Hours:** 45

**Post-Secondary Credits:** 3

**High School Credits:** 5

**Pre-Requisites:** None

**Materials Cost:** \$100 (approx.)

**Eligibility:** Open to all

### Course Description:

A foundational overview of the history, philosophy, concepts, and issues in the field of Therapeutic Recreation. Emphasis on the helping nature of the Recreation Therapist role and the importance of self-awareness within the profession. The importance of leisure activities and common barriers to recreation participation are discussed. Introductory information and discussion on a wide range of disabilities, medical conditions, and options for service delivery. Conceptual models of therapeutic service are explored.

### Course Outcomes:

1. Describe the helping nature of the service provider role.
2. Describe the history, role, and function of therapeutic recreation.
3. Identify disabilities and barriers for individuals and apply the role of therapeutic recreation.
4. Identify values and beliefs conducive to providing effective service to people.
5. Define professionalism as it relates to providing services in the helping role.
6. Compare and contrast various therapeutic recreation conceptual models and recognize the importance of using a model in practice.
7. Compare and contrast various living option levels and the differences in the service delivery of therapeutic recreation.
8. Identify the purpose of a team approach and how to work within various healthcare teams.
9. Define issues that affect job related stress associated with the role of helper.

### Assessments:

- Exams
- Volunteer Work
- Assignments

### Required Equipment & Materials:

- Textbook

### Transferability:

- *Required course for:* Therapeutic Recreation Gerontology
- *External Transfer Equivalent at:* University of Lethbridge, University of Regina

## VXR1160 – ART & DESIGN FOR EXTENDED REALITY \*PENDING APPROVAL

*Offered in the Fall semester*

**Delivery Method:** Online asynchronous

**Total Hours:** 45

**Post-Secondary Credits:** 3

**High School Credits:** 5

**Pre-Requisites:** None

**Materials Cost:** \$100

**Eligibility:** Open to all

### **Course Description:**

An introductory design course exploring a variety of spatial and object creation techniques necessary for game engine workflow. Three-dimensional software and tools facilitating the development of immersive digital assets will be explored. Topics include low and high polygon modeling, three-dimensional geometry and surface creation, material creation and basic lighting techniques. Course topics are applied through in-class exercises and practical, hands-on assignments.

### **Course Outcomes:**

1. Develop a Workflow Storyboard.
2. Produce low polygon models for game engine environments.
3. Use creative and critical thinking to enhance spatial environments
4. Design and build 3D digital assets
5. Create and modify for a variety of realistic, seamless textures and materials for a variety of simplified digital world environment.
6. Design for virtual reality and augmented reality

### **Assessments:**

- Discussions
- Assignments
- Projects

### **Required Equipment & Materials:**

- Blender
- Adobe Substance 3D Painter

### **Transferability:**

- *Required course for:* Architectural Animation Technology, Virtual and Augmented Reality
- *Approved Elective for:* Computer Information Technology
- *External Transfer Equivalent at:* University of Lethbridge



## PRE-EMPLOYMENT CARPENTRY PROGRAM

*Offered in the Fall + Winter semesters*

**Delivery Method:** On-campus lectures + labs

**Length of Program:** 15 weeks

**Post-Secondary Credits:** 19

**High School Credits:** 15 CTS

**Pre-Requisites:** English 10-2, Math 10-3

**Materials Cost:** \$450 (approx.)

**Eligibility:** Restricted to SACI Divisions

### Program Description:

This program is an introduction to the fundamentals of carpentry, including aspects of important safety practices, building materials, common tools, foundation and support systems, and more. With a combination of theoretical knowledge and hands-on experience, students will gain skills for a successful career in carpentry. This program covers all first-year carpentry apprentice material, as well as a two-week practicum placement with an industry partner to prepare students to enter the workforce.

### Courses:

1. CRP1100: Safety and Building Materials (3hrs/week)
2. CRP1101: Tools (8hrs/week)
3. ECRP1102: Site Preparation (8hrs/week)
4. ECRP1103: Estimating and Drawing (6hrs/week)
5. CRP1104: Practicum Placement (2 weeks)

### Assessments:

- Quizzes
- Exams
- Projects
- Labs
- Practicum Evaluation

### Required Equipment & Materials: (to be confirmed)

- Apprenticeship first period Carpentry ILM Package
- Drafting Supplies
- SHARP-520XT calculator
- Safety glasses
- CSA-approved safety shoes/boots

### Certificate

- Upon completion, students will receive a Pre-Carpentry Certificate and eligibility to write the first period apprenticeship exam. Successful exam completion will provide credit for first period technical training.

### Transferability:

- Upon receiving credit for first period technical training, students can pursue a full apprenticeship program with Lethbridge College or other accredited Albertan post-secondaries.

### CTS Course Equivalents:

- CRA3900, CRA3402, CRA3407, CRA3412, CRA3417, CRA3422, CRA3427, CRA3432, CRA3437, CRA3442, CRA3447, CRA3452, CRA3457, CRA3462 + CRA3467.



## PRE-EMPLOYMENT ELECTRICAL PROGRAM

*Offered in the Fall + Winter semesters*

**Delivery Method:** On-campus lectures + labs

**Length of Program:** 15 weeks

**Post-Secondary Credits:** 19

**High School Credits:** 15 CTS

**Pre-Requisites:** English 20-2, Math 20-3, Science 10

**Materials Cost:** \$450 (*approx.*)

**Eligibility:** Restricted to SACI Divisions

### Program Description:

This program is an introduction to the fundamentals of the electrical trade, including aspects of important safety legislation, principles of electromotive force, circuit tests and repairs, the Canadian Electrical code and more. With a combination of theoretical knowledge and practical application, students will gain skills for a successful electrical career. This program covers all first-year electrical apprentice material, as well as a two-week practicum placement with an industry partner to prepare students to enter the workforce.

### Courses:

1. ELT1100: Workplace safety (*2hrs/week*)
2. ELT1101: Circuit Fundamentals (*10hrs/week*)
3. ELT1102: Lab Fundamentals (*6hrs/week*)
4. ELT1103: Electrical Code and Drawings (*6hrs/week*)
5. ELT1104: Practicum Placement (*2 weeks*)

### Assessments:

- Quizzes
- Exams
- Labs
- Practicum Evaluation

### Required Equipment & Materials: (*to be confirmed*)

- Apprenticeship first period Electrician ILM Package
- Electrical Code Book
- SHARP-520XT calculator
- Safety glasses
- Ruler

### Certificate

- Upon completion, students will receive a Pre-Electrical Certificate and eligibility to write the first period apprenticeship exam. Successful exam completion will provide credit for first period technical training.

### Transferability:

- Upon receiving credit for first period technical training, students can pursue a full apprenticeship program with Lethbridge College or other accredited Albertan post-secondaries.

### CTS Course Equivalents:

- ETA3900, ETA3400, ETA3405, ETA3410, ETA3415, ETA3420, ETA3425, ETA3430, ETA3435, ETA3440, ETA3445, ETA3450, ETA3455, ETA3460 + ETA3465.





## PRE-EMPLOYMENT PIPE TRADES PROGRAM

*Offered in the Fall + Winter semesters*

**Delivery Method:** On-campus lectures + labs

**Length of Program:** 15 weeks

**Post-Secondary Credits:** 19

**High School Credits:** 15 CTS

**Pre-Requisites:** English 20-2, Math 20-3

**Materials Cost:** \$450 (approx.)

**Eligibility:** Restricted to SACI Divisions

### Program Description:

This program is an introduction to the fundamentals of pipe trades, including aspects of important safety legislation, effective tool usage, welding basics, drawing concepts, scientific principles and more. With a combination of theoretical knowledge and practical application, students will gain skills for a successful career in the pipe trades. This program covers all first-year pipe trades apprentice material, as well as a two-week practicum placement with an industry partner to prepare students to enter the workforce.

### Courses:

1. PTR1100: Workplace Safety and Rigging (3hrs/week)
2. PTR1101: Tools, Equipment and Materials (9hrs/week)
3. PTR1102: Metal Fabrication (5 hrs/week)
4. PTR1103: Drawing and Specifications (3hrs/week)
5. PTR1104: Calculations and Science (5hrs/week)
6. PTR1105: Practicum Placement (5hrs/week)

### Assessments:

- Quizzes
- Exams
- Labs
- Calculations
- Practicum Evaluation

### Required Equipment & Materials: (to be confirmed)

- Apprenticeship first year GAS (Gas Fitting) PLU ILM package
- IPT Pipe Trade's Handbook
- Casio Fx-260 calculator
- Architectural and metric rulers
- Safety glasses
- CSA-approved safety shoes/boots

### Certificate

- Upon completion, students will receive a Pre-Pipe Trades Certificate and eligibility to write the first period apprenticeship exam. Successful exam completion will provide credit for first period technical training.

### Transferability:

- Upon receiving credit for first period technical training, students can pursue a full apprenticeship program with Lethbridge College or other accredited Albertan post-secondaries.

### CTS Course Equivalents:

- PLA3900, PLA3406, PLA3411, PLA3416, PLA3421, PLA3426, PLA3431, PLA3436, PLA3441, PLA3446, PLA3451, PLA3456, PLA3461, PLA3466 + PLA3471.

## PRE-EMPLOYMENT WELDING PROGRAM

*Offered in the Fall + Winter semesters*

**Delivery Method:** On-campus lectures + labs

**Length of Program:** 15 weeks

**Post-Secondary Credits:** 19

**High School Credits:** 15 CTS

**Pre-Requisites:** English 10-2, Math 10-3

**Materials Cost:** \$600 *(approx.)*

**Eligibility:** Restricted to SACI Divisions

### Program Description:

This program is an introduction to the fundamentals of the welding trade, including aspects of safety protocol, electrical concepts, common weld styles, math principles and more. With a combination of theoretical knowledge and practical application, students will gain skills for a successful welding career. This program covers all first-year welding apprentice material, as well as a two-week practicum placement with an industry partner to prepare students to enter the workforce.

### Courses:

1. WDG1100: Workplace Safety and Tools *(5hrs/week)*
2. WDG1101: Properties of Metal *(6hrs/week)*
3. WDG1102: Welding Process *(10 hrs/week)*
4. WDG1103: Welding Trade Math *(3hrs/week)*
5. WDG1104: Practicum Placement *(2 weeks)*

### Assessments:

- Quizzes
- Labs
- Exams
- Assignments
- Practicum Evaluation

### Required Equipment & Materials: *(to be confirmed)*

- 1st Period ILM Welding package
- IPT Metal Trades Handbook
- Casio FX-260 calculator
- Safety glasses
- CSA-approved safety shoes/boots
- Coveralls
- Medium duty welding gloves
- Welding helmet

### Certificate

- Upon completion, students will receive a Pre-Welding Certificate and eligibility to write the first period apprenticeship exam. Successful exam completion will provide credit for first period technical training.

### Transferability:

- Upon receiving credit for first period technical training, students can pursue a full apprenticeship program with Lethbridge College or other accredited Albertan post-secondaries.

### CTS Course Equivalents:

- WDA3900, WDA3401, WDA3403, WDA3406, WDA3407, WDA3408, WDA3411, WDA3413, WDA3415, WDA3420, WDA3423, WDA3427, WDA3429, WDA3432 + WDA3437.

[illegible]

# > COLLEGIATE PROGRAMMING

Collegiates provide specialized programming in a particular subject area, in order to provide students clearer pathways into post-secondary education and careers in their chosen field.

Lethbridge Polytechnic, and its lineup of Dual Credit courses and programs, are part of two unique Collegiates founded in 2023 with various Zone 6 school divisions.



## PEAKS CAMPUS COLLEGIATE

*Crownest Pass*

The PEAKS Campus Collegiate enables students to embark on environmental science careers connected to educational pathways in the Southern Alberta economy and ecosystem, through an innovative partnership between Livingstone Range School Division, Lethbridge Polytechnic and industry partners.

### **Eligibility:**

While the PEAKS Campus Collegiate focuses on supporting students within the Livingstone Range School Division, courses are open to all Dual Credit partners.

### **Course Offerings:**

- BIO1167 - Botany
- BIO1172 - Ecology
- GEO1166 - Physical Geology

Students participating in PEAKS courses have additional opportunities to engage in experiential learning, through culmination labs hosted by polytech faculty at PEAKS facilities.

### **Facility:**

The existing PEAKS Campus will undergo renovations in 2025 to expand programming opportunities. A custom, state-of-the-art mobile classroom currently in use also allows students to participate in labs anywhere across Southern Alberta.



# SOUTHERN ALBERTA COLLEGIATE INSTITUTE

Lethbridge Polytechnic



The Southern Alberta Collegiate Institute (SACI) is a unique collaborative partnership of six school divisions, Lethbridge Polytechnic and two non-profit organizations to give youth across Southern Alberta the opportunity to explore career pathways through exploratory and dual credit programming in Trades, Agriculture and Healthcare sectors.

## Eligibility

Only students from the following school divisions are eligible to participate in SACI programming:

- Grasslands
- Holy Spirit
- Horizon
- Lethbridge
- Livingstone Range
- Palliser
- Westwind

## Course Offerings:

The following Dual Credit courses are reserved for SACI partners:

- TRA1131 - Introduction to the Trades
- TRA1132 - Introduction to Transportation Trades
- TRA1133 - Introduction to Electrical Trades
- TRA1134 - Introduction to Construction Trades
- TRA1135 - Introduction to Culinary Trades

Students enrolled in SACI courses participate in a combination of online asynchronous learning and hands-on labs in our state-of-the-art facilities.

## Program Offerings:

Also reserved for SACI partners, pre-employment programs require students to attend a combination of in-person lectures and labs, full-time for a 15 week period:

- Pre-Employment Carpentry
- Pre-Employment Electrical
- Pre-Employment Pipe Trades
- Pre-Employment Welding

Students participating in Dual Credit pre-employment programming will attend classes as part of a mixed-cohort, alongside general college students.

## Facility:

While programming currently takes place in existing shop and lab spaces on-campus, plans are underway to open a dedicated SACI facility in fall 2025 academic year.



## ASSIGNED PSI CODES

All Dual Credit courses are assigned a Post-Secondary Institution (PSI) Code for credit at the secondary level.

Lethbridge Polytechnic Course Name	Alberta Ed PSI Code
<b>AGS1100</b> - Foundations of Agriculture	PSI3319
<b>BIOS1155</b> - Human Nutrition	<i>*pending approval</i>
<b>BIO1156</b> - Wellness & Health Issues	PSI3095
<b>BIO1160</b> - Anatomy and Physiology I	PSI3005
<b>BIO1167</b> - Botany	PSI3294
<b>BIO1172</b> - Ecology	PSI3293
<b>BUS1170</b> - Introduction to Management	PSI3014
<b>BUS1177</b> - Entrepreneurship	PSI3172
<b>CAD1160</b> - Graphic Communications	PSI3274
<b>CJP1160</b> - Introduction to the Criminal Justice System	PSI3100
<b>COM1162</b> - Interpersonal Relationships & Communication	PSI3171
<b>COM1165</b> - Public Safety Communications/Interpersonal Relations	PSI3296
<b>CSP1150</b> - Medical Terminology/Anatomy & Physiology	PSI3190
<b>DCM1164</b> - Introduction to Design Software and Photography	PSI3276
<b>ECE1151</b> - Health, Nutrition and Safety	PSI3074
<b>ECE1155</b> - Introduction to Early Childhood Education	PSI3125
<b>EDU1153</b> - Foundations of Educational Assistance	PSI3297
<b>ENG1150</b> - Composition	PSI3082
<b>ENG1159</b> - Writing for the Workplace	PSI3099
<b>GEO1166</b> - Physical Geology	PSI3243
<b>GME1110</b> - Introduction to Game Development	<i>*pending approval</i>
<b>IDM1163</b> - Design History I	<i>*pending approval</i>
<b>IDM1179</b> - Design Fundamentals	PSI3275
<b>INS1155</b> - Introduction to Indigenous Studies	PSI3067
<b>LAW1177</b> - Introduction to Procedural Law in Canada	PSI3163
<b>MKT1188</b> - Introduction to Marketing	<i>*pending approval</i>
<b>MTH1150</b> - Engineering Math I	PSI3290
<b>PSC1165</b> - Canadian Government	PSI3150
<b>PSY1160</b> - Introduction to Psychology	PSI3001
<b>TRA1131</b> - Introduction to the Trades <i>*reserved for select divisions</i>	PSI3310
<b>TRA1132</b> - Introduction to Transportation Trades <i>*reserved for select divisions</i>	PSI3315
<b>TRA1133</b> - Introduction to Electrical Trades <i>*reserved for select divisions</i>	PSI3318
<b>TRA1134</b> - Introduction to Construction Trades <i>*reserved for select divisions</i>	PSI3316
<b>TRA1135</b> - Introduction to Culinary Trades <i>*reserved for select divisions</i>	PSI3317
<b>TRG1150</b> - Introduction to Therapeutic Recreation	PSI3314
<b>VXR1160</b> - Arts & Design for Extended Reality	<i>*pending approval</i>
<b>Pre-Employment Programs</b> - Carpentry, Electrical, Pipe Trades & Welding	<i>*See pages 43-46 for CTS codes.</i>



# > HAVE QUESTIONS?

For questions on Dual Credit programming, please contact the following departments:

## **DUAL CREDIT TEAM**

[dual.credit@lethpolytech.ca](mailto:dual.credit@lethpolytech.ca) • 403.320.3202 Ext. 5656

## **ADMISSIONS**

[admissions@lethpolytech.ca](mailto:admissions@lethpolytech.ca) • 403.382.6958

## **ACADEMIC ADVISING**

[advisor@lethpolytech.ca](mailto:advisor@lethpolytech.ca) • 403.320.3366

## **LEARNING CAFE**

[learningcafe@lethpolytech.ca](mailto:learningcafe@lethpolytech.ca) • 403.382.6952

## **ACCESSIBILITY SERVICES**

[accessibilityservices@lethpolytech.ca](mailto:accessibilityservices@lethpolytech.ca) • 403.320.3202 Ext.5400

# > WHAT HAPPENS NEXT?

## GUARANTEED ADMISSION FOR DUAL CREDIT STUDENTS

*\*Some restrictions may apply.*

Our Dual Credit students have explored the world of post-secondary learning before finishing high school, so if you are ready for the next step, we know you are ready for success.

Any high school student who has successfully completed one or more Lethbridge Polytechnic Dual Credit courses will be guaranteed admission into a Lethbridge Polytechnic program.

All you need to do is:

- Apply to your desired program
- Meet all program entrance requirements
- Accept your offer of admission by the indicated deadline

Apply early to secure your seat!

LEARN MORE AT

[lethpolytech.ca/dual-credit](https://lethpolytech.ca/dual-credit)



**LETHBRIDGE  
POLYTECHNIC**

***BE READY.***