

2024-2025 School Year - WCPS Dual Credit Offerings
Fall Term - Single Courses

Olds College

Dates: September 25, 2024 - December 18, 2024

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| <p>ACT 1011 - Accounting Principles 1</p> | <p>Students will gain an introduction to financial accounting focusing on the accounting cycle and the preparation of financial statements. Topics include accounting for merchandising activities, internal control, accounting for cash, temporary investments, accounts receivable, inventories, cost of goods sold, and current liabilities. Students should be comfortable with their math skills. <u>We recommend a minimum of Math 10C completed prior to taking this course. Students who have Math 20-1 or 20-2 or higher will be well set for the course content</u></p> | <p>5 Credits</p> |
| <p>AHT 1050 - Intro to Veterinary Profession</p> | <p>Students will become familiar with selected animal health organizations and will adhere to the regulations of veterinary medicine in Alberta. Students are introduced to strategies and techniques for managing self and interacting with others. Students will examine animal welfare and ethical issues. This course provides students with foundational veterinary medical terminology they will use throughout their career.</p> | <p>5 Credits</p> |
| <p>ATG 1008 - Solving Technology Problems</p> | <p>Students will engage in the problem-solving process using current hardware and software tools for applied data-driven problem solving. Through data analysis, algorithmic problem solving, and technical memo writing students will work to solve a technical agricultural issue. Programming/Coding and Microsoft Excel spreadsheets (graphing/figures/charts) will be key skills learned and put into action making a Zumo robot perform a set task. Prior coding skill is not required but students should be comfortable with math (algebra and polynomials at minimum grade ten level). Math 10C should be completed as a minimum prior to taking this course. As well, students will require perseverance to work hard in the</p> | <p>5 Credits</p> |

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| | <p>trial and error process involved with learning to program/code. Students will need to spend more time on an assignment if the coding requires further problem solving.</p> <p>**Great course for those looking to grow their technology skills and are looking at technology careers.</p> | |
| HAT 2355 - Leisure, Sporting Events and Recreation Operations | <p>This course provides students with an introductory understanding of the nature and scope of leisure, its role in the hospitality and tourism industry, and the function and structure of leisure providers. Students will have the opportunity to incorporate planning and management concepts to a leisure, sporting or recreation activity in their own community. Wellness tourism and urban recreation trends are also discussed in relation to their economic and social impacts.</p> | 5 Credits |
| MKG 1021 - Marketing Principles | <p>Students will develop an understanding of marketing concepts, principles and practices. Topics examined include the influence of environment factors on the marketing process, marketing strategy development, marketing mix formulation and adjustment for pricing, promoting and distributing appropriate products and services to selected markets.</p> | 5 Credits |

Red Deer Polytechnic

Dates - TBD (First Semester)

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| PSYC 2060 Principles of Psychology I | <p>Discover the fundamental terminology, procedures, findings and theories related to basic psychological processes. Explore the history and nature of psychology and research methods in this field. Learn about the psychological and biological foundations of behavior, sensation and perception, consciousness, learning, memory, language and thought.</p> <p>We recommend a minimum of ELA or SS 10-1 completed prior to taking this course and enrolled in SS/ELA 20-1 or 20-2.</p> | 5 Credits |
| KNSS 210 Personal Fitness and Wellness | <p>An exploration and application of the foundations of health, wellness and fitness from a personal perspective. Theory and practical strategies are used to empower the student in developing a healthy active lifestyle.</p> | 5 Credits |
| HSCI 115 Biology for | <p>Examine human biology from a microscopic to macroscopic level. Describe homeostasis and the function of cells within</p> | 5 Credits |

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| Health | the body. | |
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SAIT

Dates - September 9, 2024 - December 20, 2024

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| MNGT 200 - Business | Build foundational knowledge of business functions including management, human resources, marketing and finance. Explore options for starting and growing a business, the importance of business ethics and social responsibility and work through the basic steps of building a business and career plan. In this course students will learn essential business knowledge, professional skills, and critical thinking. The Introduction to Business course provides you with tools to understand business functions including management, human resources, marketing, supply chain and personal finance. You will explore the Canadian business system and environment, and the importance of business ethics. The course examines strategies for effective teamwork and provides opportunities to practice these strategies. Students will explore options for starting and growing a business and the importance of business ethics and social responsibility in an increasingly global environment. Students will also have the opportunity to apply creative solutions to real-world problems by working through the basic steps of building a business plan and personal career plan. As the majority of this course will be completed online, students will require access to a reliable internet connection and a computer. | 5 Credits |
| ANPH 209 - Anatomy and Physiology | Anatomy and Physiology provides learners with an overview of the anatomy and basic physiology of the human body. Areas that will be covered include the organization of the body; covering, support, and movement of the body; regulation and integration of body functions; maintenance of the body; and continuity of the human race. Diseases and aging processes will also be briefly discussed. | 5 Credits |
| MEDT 211 - Medical Terminology | This self-directed introductory course enables the learner to use and understand the medical terminology common to most allied health personnel. By learning prefixes, suffixes, and word roots, the learner will be able to build, use, and spell medical words that relate to body systems and body organization. Common abbreviations and symbols are also included. | 5 Credits |

2024-2025 School Year - WCPS Dual Credit Offerings

Winter Term - Single Courses

Olds College

Dates - March 3, 2025 - May 23, 2025

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| ACT 1012 - Accounting Principles 2 | This course is a continuation of ACT 1011 to allow for additional study of accounting at an introductory level. Topics include capital assets, long-term liabilities, partnership accounting, accounting for corporations, financial analysis techniques, as well as the cash flow statement using various technologies. **Students must have successfully completed ACT 1011 | 5 Credits |
| AHT 1050 - Intro to Veterinary Profession | Students will become familiar with selected animal health organizations and will adhere to the regulations of veterinary medicine in Alberta. Students are introduced to strategies and techniques for managing self and interacting with others. Students will examine animal welfare and ethical issues. This course provides students with foundational veterinary medical terminology they will use throughout their career. | 5 Credits |
| AHT 1140 - Veterinary Practice: The Team Connection | Students will become familiar with the aspects of the service cycle within a veterinary clinic. Students will explore veterinary software and their specific application to operating a veterinary practice. They will apply communication skills to create positive experiences for veterinary clients. | 5 Credits |
| ATG 1007 - Electronics and Control Systems in Precision Agriculture | Students will investigate foundations of control systems, electronics and practical applications in precision farming. Through experiential learning, students will identify and troubleshoot components within hardware and devices, demonstrate uses/applications of geospatial technology, test control systems and their role in product application, evaluate hardware and software, program farm equipment, and demonstrate a proven process for identifying/troubleshooting components in Agricultural Technology equipment and interpret digital diagnostic data. Windows PC running Windows 10 or higher on DESKTOP or LAPTOP Required | 5 Credits |
| HAT 1255 - | Students will gain an understanding of the psychology of | 5 Credits |

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| Global and Sustainable Tourism | travel, tourism sectors, the role of key industry players, and contemporary issues in ecotourism, sustainability and business operations of various facilities, with a focus on the analysis of the service and operations from a guest perspective. | |
| EVS 1210 - Applied Ecology | Students will be provided an introduction to ecological principles at the species, population, community and ecosystem levels. Specific application of ecology to sustainability and the management of forest and grassland ecosystems are studied | 5 Credits |
| SPM 1020 - Training for Performance | Students will learn about various aspects of training for performance. They will analyze the basic science behind activity, energy systems, and macrocycles in sport training. Consideration will also be given to diverse populations, training facilities, equipment, schedules, budgets, as well as individual and team training preferences. | 5 Credits |

Red Deer Polytechnic

Dates - TBD (Second Semester)

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| PSYC 261 | An overview of some of the important areas in Psychology. Topics include thought, language, and intelligence; motivation and emotion; development over the lifespan; personality; psychological disorders and their treatments; stress, health, and coping; and behavior in a social context. PSYC 260 is a prerequisite for this course. | 5 Credits |
| SOCI 260 - Introductory Sociology | Introduce sociological perspectives, methods, and concepts used to analyze social behavior. Examine how culture, socialization, institutions, and interactions impact on social life. | 5 Credits |
| ELCC 213 | An introduction to self-understanding and self-acceptance as the basis of a professional's ability to understand and value others. Gain knowledge of how communication strategies and skills influence practice. | 5 Credits |
| NURS 215 | NURS 215 is an introductory human anatomy course. It will provide nursing students with an understanding of the normal structure of the human body, how this structure provides the basis for the function and how this may be disrupted during the diseased state. | 5 Credits |

SAIT**Dates - February 3, 2025 - June 5, 2025**

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| MNGT 200 - Business | Build foundational knowledge of business functions including management, human resources, marketing and finance. Explore options for starting and growing a business, the importance of business ethics and social responsibility and work through the basic steps of building a business and career plan. In this course students will learn essential business knowledge, professional skills, and critical thinking. The Introduction to Business course provides you with tools to understand business functions including management, human resources, marketing, supply chain and personal finance. You will explore the Canadian business system and environment, and the importance of business ethics. The course examines strategies for effective teamwork and provides opportunities to practice these strategies. Students will explore options for starting and growing a business and the importance of business ethics and social responsibility in an increasingly global environment. Students will also have the opportunity to apply creative solutions to real-world problems by working through the basic steps of building a business plan and personal career plan. As the majority of this course will be completed online, students will require access to a reliable internet connection and a computer. | 5 Credits |
| ANPH 209 - Anatomy and Physiology | Anatomy and Physiology provides learners with an overview of the anatomy and basic physiology of the human body. Areas that will be covered include the organization of the body; covering, support, and movement of the body; regulation and integration of body functions; maintenance of the body; and continuity of the human race. Diseases and aging processes will also be briefly discussed. | 5 Credits |
| MEDT 211 - Medical Terminology | This self-directed introductory course enables the learner to use and understand the medical terminology common to most allied health personnel. By learning prefixes, suffixes, and word roots, the learner will be able to build, use, and spell medical words that relate to body systems and body organization. Common abbreviations and symbols are also included. | 5 Credits |

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| INFC 215 - Infection Prevention and Control | The chain of infection and methods of prevention and control of microorganisms, including blood-borne viruses such as hepatitis and human immunodeficiency virus (HIV) will be reviewed. Immunization, routine practice, additional isolation precautions, sterilization and disinfection, safety and Workplace Hazardous Materials Information System (WHMIS) are also covered. | 5 Credits |
| SCIE 2230 - Science of Health and Wellness | In this course, you will examine the physiological and psychological aspects of health and wellness. Topics include physical fitness, musculoskeletal health and cardiorespiratory health; nutrition and weight management; mental health and stress management; infectious and chronic diseases; the effects of consumerism on health and health care; and the promotion of healthy lifestyles and healthy aging. | 5 Credits |

Pre-Employment Offerings Semester Two - 2025 (Late March to end of June)

These are tentative dates but will be confirmed before the end of June 2024

Heavy Duty Mechanic - This opportunity will be at Olds College so students would need to stay on campus or drive each day to campus.

Millwright - This opportunity will be at Red Deer Polytechnic so students would need to drive each day to campus.

Students will be interviewed for these limited spots and are required to be at the post secondary on a daily basis.