2020 - 2021 Academic Calendar

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FULL TIME PROGRAMS

Agricultural and Heavy Equipment Certificate

Description

The Olds College Agricultural and Heavy Equipment Program prepares graduates for their careers by focusing on the analysis of systems, diagnosis of failures, and repair of equipment.

Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. Employ current Occupational Health and Safety and Industry safety standards and procedures in the workplace
2. Communicate to achieve desired outcomes in industry
3. Make decisions regarding the adjustment and repair of agricultural and heavy equipment systems
4. Demonstrate proficiency in adjustment and repair of selected agricultural and heavy equipment systems to meet industry and government standards
5. Diagnose common faults on agricultural and heavy equipment
6. Maintain agricultural and heavy equipment
7. Use advanced technologies on agricultural and heavy equipment

Requirements:

Required Courses

Course Credits
(Total Credits:30)

TEC 1100 Hydraulic and Electrical Basics (3-3-0 hrs) 3

This course is an introduction to hydraulic and electrical principles and systems. Students will study hydraulic and electrical components, how they work and how they are connected in a system. Students will study open and closed center hydraulic systems, and how electricity is created and used. Working with hydraulic test benches, multimeters, circuit boards and other laboratory aids, the students will build and test a variety of selected hydraulic and electrical circuits. Using and interpreting electrical schematics, students will locate components and perform basic repairs on wiring harnesses.

TEC 1133 Agricultural Equipment I (4-2-0) 3

This course is an introduction to agricultural equipment and drive systems. The student will become acquainted with the function, operation and adjustment of selected equipment. This shall include tractor performance, tillage, cutting, baling and forage equipment. Driveline components, light duty transmissions, clutches and differentials will also be studied.

TEC 1026 Braking and Trailer Systems (3.6-2-0 hrs) 3

Students will gain an understanding of common braking and trailer systems. They will study the operation, repair and troubleshooting of air, hydraulic and electric braking systems, suspension systems and trailer components and systems. Together, students will repair selected brake systems and inspect selected trailer components.

Pre-requisite : TEC - 1000 : For Online Only

TEC 1000 Technician Basics (1.5-1.5-0) 3

In this introductory course, the student will gain an understanding of shop procedures and practices. They will learn the use and care of selected measuring, hand and power tools, workplace safety and common industry practices. The student will construct selected shop projects.

TEC 1604 Diesel Fuel Systems (4-2-0) 3

This is an in depth study of diesel fuel, selected mechanical fuel injection systems, and selected electronic controlled fuel injection systems. The students will study the process used to manufacture diesel fuel, safety and guidelines used for the handling and storage of diesel fuel. The student will describe the operating and testing principles of selected mechanical fuel injection systems, engine governor assemblies and fuel injectors used in diesel engines. The student also studies electronically controlled fuel systems and the capabilities of the technician to diagnose trouble codes and failures to stay within the emission regulations. Also included in this course the student will describe the operation of engine compression brakes and engine performance terminology as it pertains to dynamometer testing.

TEC 1504 Engine Service and Repair (2-4-0) 3

This course is a detailed study of engine (gasoline and diesel) components, systems and repairs. Students will study in detail the cooling, lubrication, intake and exhaust systems of modern diesel engines. Students will disassemble a diesel engine, measure its components as part of the evaluation of the components, describe their function and reassemble the engine to industry specifications. Included in this activity the student will perform engine tune up procedures, preventative maintenance procedures and evaluate engine condition.

Pre-requisite : TEC - 1000 :

Corequisite : TEC - 1404 :

TEC 1522 Starting and Charging Systems (3-2-0) 3

Students will study the operation, testing and repair of alternators, starting motors, batteries, and ignition components. Students will use paper manuals and a computer to retrieve service information as they would in a shop environment. The course also includes the study of basic electronics and electronic control systems.

Pre-requisite : TEC - 1100 :

TEC 1404 Engine Fundamentals and Systems (3-0-0) 3

This course will introduce students to the fundamental operating and maintenance principles of gasoline and diesel engines. Students will be able to describe two and four stroke cycle engine operating principles for both gasoline and diesel engines. The student’s descriptions will include parts identification preventative maintenance programs, engine lubrication, cooling, inlet and exhaust systems found on gasoline and diesel engines.

Pre-requisite : TEC - 1000 :

Corequisite : TEC - 1504 :

WLD 1167 Introductory Welding (1-2-0 hrs) 3

Students will gain an understanding of the safety, theory and techniques of oxy-Acetylene welding and cutting, shielded metal arc welding, and gas metal arc welding. They will study electrode selection, welding metallurgy, repair and fabrication procedures and metal joint preparation.

COM 1020 Workplace Communication (3-0-0 hrs) 3

In this course students develop writing and presentation skills. Students will apply rules of grammar, spelling, punctuation and mechanics in the development of letters, email and short reports as well as other documents relevant to their industry. Students will demonstrate strategies and techniques for creating informative and persuasive presentations.

Graduation Requirements

- Completion of 30 credits
- Completion of all required courses and credits as per Program of Study
- Cumulative program G.P.A. of 2.00 or better
- Satisfactory completion of occupational experience and/or assignment, if required

Changes to this Program

Every effort has been made to ensure that information in this program is accurate at the time of publication. The College reserves the right to change programs if it becomes necessary so that program content remains relevant. In such cases, Olds College will provide clear and timely notice of the changes.

Effective Date: 05/01/2018 to Present

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Agricultural and Heavy Equipment Diploma

Description

The Olds College Agricultural and Heavy Equipment Program prepares graduates for their careers by focusing on the analysis of systems, diagnosis of failures, and repair of equipment.

Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. Employ current OH&S and Industry safety standards and procedures in the workplace
2. Communicate to achieve desired outcomes in industry
3. Make decisions regarding the adjustment and repair of agricultural and heavy equipment systems
4. Demonstrate proficiency in adjustment and repair of selected agricultural and heavy equipment systems to meet industry and government standards
5. Diagnose common faults on agricultural and heavy equipment
6. Maintain agricultural and heavy equipment
7. Use advanced technologies on agricultural and heavy equipment

Requirements:

Required Courses

Course Credits
(Total Credits:15)

TEC 2305 Hydraulics II (4-2-0) 3

Students will study advanced hydraulic systems including open centre, closed centre, load sensing and pilot operated systems. The students will also study system schematic interpretation using technical manuals and testing and troubleshooting procedures. Selected system components will be disassembled to learn inspection and repair procedures.

Pre-requisite : TEC - 1100 :

TEC 2722 Electrical and Electronic Diagnostics (3-3-0) 3

This course is a detailed study of major electrical systems, troubleshooting of components and circuits on selected pieces of equipment. Students will be involved in using diagnostic tools and schematics for troubleshooting faults on equipment. On-board computer controllers for the purpose of diagnostics will also be discussed.

Pre-requisite : TEC - 1522 :

TEC 2226 Off Road Systems (1.6-1.3-0) 3

Students will gain an understanding of different types of undercarriages, their applications and selected ground engagement tools used in off-road equipment. They will study methods for evaluating wear, disassembly, usage and their effect on machine performance. Students will use safe handling and overhaul techniques to disassemble, measure and re-assembly undercarriages, track tension systems and ground engagement tools.

Pre-requisite : TEC - 1000 :

TEC 2338 HVAC Systems (2.7-.3-0) 3

This heating and air-conditioning course covers the theory of operation, system controls, servicing, and diagnostics of selected systems. Students will practice selected service procedures to industry standards on laboratory air conditioning units and live equipment. Students will be encouraged to obtain the Heating Refrigeration Air Conditioning Institute of Canada environmental awareness certification. This certification will be offered on the students' own time (evening) and at their own expense.

Pre-requisite : TEC - 1100 :

TEC 2218 Steering and Suspension (1.6-1.3-0) 3

In this course students will study the fundamentals and service of steering and suspension equipment operated “on road” and “off road” including agricultural equipment. Students will also study wheel angles and alignment, and selected accessories or attachments associated with modern equipment.

Pre-requisite : TEC - 1000 :

Pre-requisite : TEC - 1026 :

Agricultural Equipment Major

Course Credits
(Total Credits:15)

TEC 2126 Hydraulic Shift Transmissions (3-3-0) 3

Students will study the theory, operation and service procedures of hydraulic/power shift transmissions, automatic transmissions, torque converters and hydraulic retarders used in off road equipment. The students will disassemble, inspect and reassemble a power shift or automatic transmission. The students will also study system schematic interpretation using technical manuals and testing and trouble shooting procedures.

Pre-requisite : TEC - 1100 :

Pre-requisite : TEC - 2305 :

TEC 2433 Agricultural Equipment II (3-3-0) 3

Students will study equipment used in seeding, spraying and harvesting, including some of the monitors and GPS systems used on this equipment. Precision Farming practices, components and software will also be studied.

Pre-requisite : TEC - 1133 :

TEC 2733 Agricultural Equipment Repair (1-5-0) 3

Students will gain experience in the overhaul and repair of agricultural equipment. They will use service and parts manuals to disassemble, analyze, repair and reassemble agricultural equipment. The course will use current shop procedures and practices to give the student knowledge of how an agricultural equipment repair shop operates.

Pre-requisite : TEC - 1000 :

Pre-requisite : TEC - 1133 :

TEC 2705 Hydraulics III (2-1-0) 3

Students will study hydrostatic drive systems, off road hydrostatic crawler and skid steer steering systems and electrical/electronically controlled hydraulic systems. The students will also study system schematic interpretation using technical manuals and testing and troubleshooting procedures. Selected system components will be disassembled to learn inspection and repair procedures.

Pre-requisite : TEC - 2305 :

COM 1030 Workplace Professionalism (3-0-0 hrs) 3

This course introduces students to strategies and techniques for managing self, interacting with others, advancing careers and making ethical decisions. Students develop action plans for professional success, create career documents to demonstrate strengths, skills and abilities and utilize an industry-specific case study to examine ethical issues.

Heavy Equipment Major

Course Credits
(Total Credits:15)

TEC 2126 Hydraulic Shift Transmissions (3-3-0) 3

Students will study the theory, operation and service procedures of hydraulic/power shift transmissions, automatic transmissions, torque converters and hydraulic retarders used in off road equipment. The students will disassemble, inspect and reassemble a power shift or automatic transmission. The students will also study system schematic interpretation using technical manuals and testing and trouble shooting procedures.

Pre-requisite : TEC - 1100 :

Pre-requisite : TEC - 2305 :

TEC 2436 On Road Power Trains (3-3-0) 3

This is a detailed course covering basic power train applications to heavy duty applications found in equipment (trucks) operated normally “on road”. The students will study topic areas from basic principles, fundamentals and repairs of clutches, transmissions, drivelines, differentials and transfer cases. Students will disassemble, troubleshoot, evaluate and reassemble selected power train components.

Pre-requisite : TEC - 1000 :

Pre-requisite : TEC - 1133 :

TEC 2749 Heavy Equipment Repair (1-5-0) 3

Students will gain experience in the overhaul and repair of heavy equipment. They will use service and parts manuals to disassemble, analyze, repair and reassemble heavy equipment. The course will use current shop procedures and practices to give the student knowledge of how a heavy equipment repair shop operates.

Pre-requisite : TEC - 1100 :

Pre-requisite : TEC - 2226 :

TEC 2705 Hydraulics III (2-1-0) 3

Students will study hydrostatic drive systems, off road hydrostatic crawler and skid steer steering systems and electrical/electronically controlled hydraulic systems. The students will also study system schematic interpretation using technical manuals and testing and troubleshooting procedures. Selected system components will be disassembled to learn inspection and repair procedures.

Pre-requisite : TEC - 2305 :

COM 1030 Workplace Professionalism (3-0-0 hrs) 3

This course introduces students to strategies and techniques for managing self, interacting with others, advancing careers and making ethical decisions. Students develop action plans for professional success, create career documents to demonstrate strengths, skills and abilities and utilize an industry-specific case study to examine ethical issues.

Graduation Requirements

- Completion of 60 credits
- Completion of 30 credits from a Certificate program in related field
- Completion of all required courses and credits as per Program of Study
- Cumulative program G.P.A. of 2.00 or better
- Satisfactory completion of occupational experience and/or assignment, if required

Changes to this Program

Every effort has been made to ensure that information in this program is accurate at the time of publication. The College reserves the right to change programs if it becomes necessary so that program content remains relevant. In such cases, Olds College will provide clear and timely notice of the changes.

Effective Date: 05/01/2018 to Present

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Agricultural Management - AgriCommerce Major Diploma

Description

The Olds College Agricultural Management Diploma prepares graduates for entry into careers managing agricultural production, service and value-adding enterprises.

Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. Communicate professionally with stakeholders.
2. Develop enterprise goals and plans.
3. Apply problem-solving strategies throughout the agri-value chain.
4. Apply project management principles to achieve defined project outcomes.
5. Appraise the performance of self and others.
6. Apply business principles to achieve organization goals.
7. Assess local and global market opportunities.
8. Assess animal and plant production and processing systems.
9. Assess the use of technology in the production and processing of food and non-food agricultural products.
10. Develop business plans.
11. Analyze financial statements.
12. Assess the financial strength of an agri-business.
13. Assess the payment capacity of an agri-business.
14. Appraise strategic aspects of an agri-business.
15. Evaluate the strategic management practices of an agri-business.
16. Apply the principles of marketing to create a marketing mix.
17. Develop pricing strategies for value added activities.
18. Develop customer relationship management (CRM) strategies.
19. Utilize E-marketing strategies in the professional selling process.
20. Apply the sales process and professional selling skills.

Requirements:

TERM 1

Course Credits
(Total Credits:15)

AGN 1240 Principles of Crop Production (3-3-0 hrs) 3

This course takes a systems approach to Western Canadian agricultural crop production. Topics in land preparation, crop selection, crop establishment, and harvesting will be discussed in conjunction with basic soil characteristics and plant morphology. Identification of major Canadian crops and their product end use will also prepare the student for further studies in Agronomy.

AMT 1035 Agricultural Business Management Principles (3-0-0 hrs) 3

The learner develops fundamental concepts of business management within the context of agriculture. These basic tools will provide the foundation for sound business decisions as they relate to all aspects and functional areas of the organization. Micro and Macro economic theory will be learned and applied as they relate to the agricultural industry.

AMT 1040 Survey of Agribusiness (3-0-0 hrs) 3

This is an introductory course on the nature of agricultural business from both a local and an international perspective. The learner explores the global policy framework as well as national laws and programs which support agricultural enterprise. Selected sectors of the industry are then investigated with these perspectives in mind.

AMT 1335 Agribusiness Accounting (3-3-0 hrs) 3

The learner generates financial records and statements using Canadian accounting standards for agribusinesses. Industry software is used and attention to unique industry issues is emphasized.

LVS 1370 Principles of Animal Agriculture (3-3-0 hrs) 3

In this introductory course, students examine fundamental principles of anatomy, physiology, nutrition and animal health as well as participating in “hands-on” labs. This course also studies global production demographics, production trends and current issues affecting livestock industries.

TERM 2

Course Credits
(Total Credits:9)

AMT 1360 Agribusiness Technology Applications (0-4.5-0 hrs) 3

This course is an overview of selected agri-business technological tools and software. Students apply and evaluate selected business technology and software applications.

COM 1020 Workplace Communication (3-0-0 hrs) 3

In this course students develop writing and presentation skills. Students will apply rules of grammar, spelling, punctuation and mechanics in the development of letters, email and short reports as well as other documents relevant to their industry. Students will demonstrate strategies and techniques for creating informative and persuasive presentations.

MKG 1021 Marketing Principles (3-0-0 hrs) 3

This course develops 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.

ELECTIVE(S): Choose 2 electives from Term 2 Approved electives list below.

TERM 2 Approved Electives

Course Credits
(Total Credits:6)

AGN 1540 Introductory Pest Management (3-2-0 hrs) 3

Students will study the principles of pest management in agricultural cropping systems. They will learn the basic concepts of integrated pest management and principles guiding the safe use of pesticides. Learners will also focus on the identification of selected weeds, diseases and insects of field crops in western Canada.

Pre-requisite : AGN - 1240 :or

Pre-requisite : PLS - 1010 :and

Pre-requisite : SOI - 1000 :

or

LVS 2370 Livestock Nutrition (3-3-0 hrs) 3

This course applies the principles of nutrition to livestock. It includes a discussion of nutrients, nutrient requirements, sources of nutrients and their cost. It also includes meeting the nutrient requirements of various livestock species through ration balancing.

Pre-requisite : LVS - 1370 :

MEC 1050 Machinery and Technology (3-3-0 hrs) 3

This course is a general overview of the farm machinery and technology used in Western Canada. Students will become familiar with the uses and purposes of tractors and combines as well as tillage, seeding, spraying and forage equipment. Precision Farming principles and components will also be studied.

TERM 3

Course Credits
(Total Credits:12)

AMT 2020 Advanced Product Marketing (3-0-0 hrs) 3

This is an advanced course on marketing as it relates to profitable pricing decisions using breakeven information. There will be an opportunity to focus on a commodity of choice as it relates to the Canadian Grading System, strategic commodity sales and the creation of promotional materials. The development and presentation of an in depth marketing plan will demonstrate the importance of strategically pricing both inputs and outputs within an agricultural business.

Pre-requisite : AMT - 1035 :and

Pre-requisite : AMT - 1360 :

AMT 2035 Agribusiness Financial Management (3-0-0 hrs) 3

This is a course on business management practices and processes for decision making in agribusiness. The impact of financial management on agribusiness performance is examined through the application of selected budgeting and financial processes, as well as through agribusiness risk assessments.

Pre-requisite : AMT - 1335 :

AMT 2120 Professional Selling (3-0-0 hrs) 3

In this course the emphasis is on developing successful sales professionals and the competencies necessary to effectively manage the sales process. This is also an excellent foundational course for students pursuing an entrepreneurial career. The course is broken into three components. Specifically, 1) the development of personal and business goal setting ability, 2) the development of sales skills, and 3) the use of Customer Relationship Management (CRM) techniques.

AMT 2600 Agricultural Asset Valuation (3-0-0 hrs) 3

The learner is provided with the fundamental principles by which to estimate the value of an agribusiness asset. These principles will be applied to a variety of assets including land, major structures, equipment, and inventory.

Pre-requisite : AMT - 1335 :

ELECTIVE: Choose 1 course from Term 3 Approved electives list below.

TERM 3 Approved Electives

Course Credits
(Total Credits:3)

AGN 2640 Principles of Soils and Crop Nutrition (3-2-0 hrs) 3

This course provides the learner with the principles of soil characteristics, soil fertility and fertilizer application. The learner will study chemical and physical soil properties, essential plant nutrients, soil testing, fertilizer types and application methods. Soil sampling techniques, interpretation of soil test reports, and development of fertilizer blends will be performed.

Pre-requisite : AGN - 1240 :

LVS 2470 Livestock Health and Disease (3-3-0 hrs) 3

Students are instructed regarding basic concepts of livestock diseases including their causes, clinical signs, treatment and prevention. This course is intended for the Agricultural Management program.

Pre-requisite : LVS - 1370 :

LVS 2570 Livestock Breeding Strategies (3-1.5-0 hrs) 3

This hands-on course will emphasize reproduction and genetic strategies with the objective to

successfully artificially inseminate cattle. Students will be required to submit a breeding plan on a species of personal interest. Participation in activities on the Olds College farm and trips to local livestock enterprises will be expected.

Pre-requisite : LVS - 1370 :

TERM 4

Course Credits
(Total Credits:12)

AMT 2620 AgriLaw & Policy (3-0-0) 3

This course introduces the learner to elements of Canadian Law that play a significant role in business relationships as they pertain to Canadian farming practices. Specific topics include the dispute resolution process, contracts, commercial transactions, regulatory requirements for farming in Canada, plus selected relevant legislation. Learners will discuss and evaluate legal concepts as they relate to farming operations and will have the opportunity to create customized contracts for an agribusiness.

AMT 2630 Agribusiness Planning and Management (3-2-0 hrs) 3

This course allows the learner to integrate concepts from other agricultural management courses in the preparation and presentation of a business plan related to an agri-business or agri-value venture.

Pre-requisite : AMT - 1035 :and

Pre-requisite : AMT - 1335 :and

Pre-requisite : MKG - 1021 :

COM 1030 Workplace Professionalism (3-0-0 hrs) 3

This course introduces students to strategies and techniques for managing self, interacting with others, advancing careers and making ethical decisions. Students develop action plans for professional success, create career documents to demonstrate strengths, skills and abilities and utilize an industry-specific case study to examine ethical issues.

FIN 2135 Financial Lending (3-0-0 hrs) 3

The learner applies accounting fundamentals and advanced analysis procedures to the field of agricultural lending. Financial statement information is compiled and verified. Techniques such as trend and ratio analysis are used to assess the credit risk associated with an agricultural business. While the primary emphasis is from the perspective of the lender, borrowers are able to apply the information to strengthen their negotiating position.

Pre-requisite : AMT - 1335 :

ELECTIVE: Choose 1 course from Term 4 Approved electives list below.

TERM 4 Approved Electives

Course Credits
(Total Credits:3)

AGN 1540 Introductory Pest Management (3-2-0 hrs) 3

Students will study the principles of pest management in agricultural cropping systems. They will learn the basic concepts of integrated pest management and principles guiding the safe use of pesticides. Learners will also focus on the identification of selected weeds, diseases and insects of field crops in western Canada.

Pre-requisite : AGN - 1240 :or

Pre-requisite : PLS - 1010 :and

Pre-requisite : SOI - 1000 :

AGN 2240 Field Crop Management (3-3-0 hrs) 3

Students will explore advanced topics in field crop management. These will include plant growth and development under various environmental conditions, crop genetic improvement through plant breeding, Canadian agricultural production systems, harvesting, storage and quality evaluation of crops, and processing of crops for food and industrial by-products. Identification of Western Canadian field crops will be emphasized.

Pre-requisite : AGN - 1540 :

LVS 2070 Beef Cattle Management (3-2-0 hrs) 3

This course deals with beef production from the birth to slaughter. The objective will be to prepare students to manage a cow/calf herd throughout the yearly cycle. Various options for marketing their calves including retained ownership will be investigated. Feedlot management principles will also be evaluated so participants will have an understanding of the whole value chain. Students will participate in calving rotations and feeding rotations.

It is recommended students take the following elective courses before or while taking LVS 2070:

- LVS 2470 Livestock Health and Disease
- LVS 2370 Livestock Nutrition

Advisory : LVS - 2470 :and

Advisory : LVS - 2370 :

LVS 2370 Livestock Nutrition (3-3-0 hrs) 3

This course applies the principles of nutrition to livestock. It includes a discussion of nutrients, nutrient requirements, sources of nutrients and their cost. It also includes meeting the nutrient requirements of various livestock species through ration balancing.

Pre-requisite : LVS - 1370 :

Graduation Requirements

- Completion of 60 credits
- Completion of all required courses and credits as per Program of Study
- Cumulative program G.P.A. of 2.00 or better
- Satisfactory completion of occupational experience and/or assignment, if required

Changes to this Program

Every effort has been made to ensure that information in this program is accurate at the time of publication. The College reserves the right to change programs if it becomes necessary so that program content remains relevant. In such cases, Olds College will provide clear and timely notice of the changes.

Effective Date: 11/30/2020 to Present

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Agricultural Management - Production Major Diploma

Description

The Olds College Agricultural Management Diploma prepares graduates for entry into careers managing agricultural production, service and value-adding enterprises.

Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. Communicate professionally with stakeholders.
2. Develop enterprise goals and plans.
3. Apply problem solving strategies throughout the agri-value chain.
4. Apply project management principles to achieve defined project outcomes.
5. Appraise the performance of self and others.
6. Apply business principles to achieve organization goals.
7. Assess local and global market opportunities.
8. Assess animal and plant production and processing systems.
9. Assess the use of technology in the production and processing of food and non-food agricultural products.
10. Develop business plans.
11. Solve problems relating to production and management.
12. Manage financial information and physical records for decision making.
13. Apply principles and practices of livestock production.
14. Apply principles and practices of crop production.
15. Implement marketing strategies.
16. Comply with regulatory requirements associated with production and management.
17. Practice land and water resource stewardship.
18. Manage ecological, economic, and social issues of production decisions and processes.
19. Manage agricultural development using appropriate technology.
20. Manage agricultural equipment.
21. Develop strategies to address production variability.
22. Implement risk management strategies.
23. Utilize technology associated with production and management.

Requirements:

TERM 1

Course Credits
(Total Credits:15)

AGN 1240 Principles of Crop Production (3-3-0 hrs) 3

This course takes a systems approach to Western Canadian agricultural crop production. Topics in land preparation, crop selection, crop establishment, and harvesting will be discussed in conjunction with basic soil characteristics and plant morphology. Identification of major Canadian crops and their product end use will also prepare the student for further studies in Agronomy.

AMT 1035 Agricultural Business Management Principles (3-0-0 hrs) 3

The learner develops fundamental concepts of business management within the context of agriculture. These basic tools will provide the foundation for sound business decisions as they relate to all aspects and functional areas of the organization. Micro and Macro economic theory will be

learned and applied as they relate to the agricultural industry.

AMT 1040 Survey of Agribusiness (3-0-0 hrs) 3

This is an introductory course on the nature of agricultural business from both a local and an international perspective. The learner explores the global policy framework as well as national laws and programs which support agricultural enterprise. Selected sectors of the industry are then investigated with these perspectives in mind.

AMT 1335 Agribusiness Accounting (3-3-0 hrs) 3

The learner generates financial records and statements using Canadian accounting standards for agribusinesses. Industry software is used and attention to unique industry issues is emphasized.

LVS 1370 Principles of Animal Agriculture (3-3-0 hrs) 3

In this introductory course, students examine fundamental principles of anatomy, physiology, nutrition and animal health as well as participating in “hands-on” labs. This course also studies global production demographics, production trends and current issues affecting livestock industries.

TERM 2

Course Credits
(Total Credits:12)

AMT 1360 Agribusiness Technology Applications (0-4.5-0 hrs) 3

This course is an overview of selected agri-business technological tools and software. Students apply and evaluate selected business technology and software applications.

COM 1020 Workplace Communication (3-0-0 hrs) 3

In this course students develop writing and presentation skills. Students will apply rules of grammar, spelling, punctuation and mechanics in the development of letters, email and short reports as well as other documents relevant to their industry. Students will demonstrate strategies and techniques for creating informative and persuasive presentations.

MEC 1050 Machinery and Technology (3-3-0 hrs) 3

This course is a general overview of the farm machinery and technology used in Western Canada. Students will become familiar with the uses and purposes of tractors and combines as well as tillage, seeding, spraying and forage equipment. Precision Farming principles and components will also be studied.

MKG 1021 Marketing Principles (3-0-0 hrs) 3

This course develops 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.

ELECTIVE: Choose 1 course from Term 2 Approved electives list below.

TERM 2 Approved Electives:

Course Credits
(Total Credits:3)

AGN 1540 Introductory Pest Management (3-2-0 hrs) 3

Students will study the principles of pest management in agricultural cropping systems. They will learn the basic concepts of integrated pest management and principles guiding the safe use of pesticides. Learners will also focus on the identification of selected weeds, diseases and insects of field crops in western Canada.

Pre-requisite : AGN - 1240 :or

Pre-requisite : PLS - 1010 :and

Pre-requisite : SOI - 1000 :

LVS 2370 Livestock Nutrition (3-3-0 hrs) **3**

This course applies the principles of nutrition to livestock. It includes a discussion of nutrients, nutrient requirements, sources of nutrients and their cost. It also includes meeting the nutrient requirements of various livestock species through ration balancing.

Pre-requisite : LVS - 1370 :

TERM 3

Course Credits
(Total Credits:9)

AGN 2540 Range and Forage Crop Management (3-3-0 hrs) **3**

This course focusses on the multifaceted forage crop and range management industry; identification, use and management of native and agronomic species in perennial ecosystems will be emphasized. Practical skills including utilizing plant keys, plant inventories, assessment of plant health, habitat and herbivore management are reviewed. A collection of native and agronomic plant species will be compiled into a manual for future reference.

Pre-requisite : AGN - 1240 :

AMT 2020 Advanced Product Marketing (3-0-0 hrs) **3**

This is an advanced course on marketing as it relates to profitable pricing decisions using breakeven information. There will be an opportunity to focus on a commodity of choice as it relates to the Canadian Grading System, strategic commodity sales and the creation of promotional materials. The development and presentation of an in depth marketing plan will demonstrate the importance of strategically pricing both inputs and outputs within an agricultural business.

Pre-requisite : AMT - 1035 :and

Pre-requisite : AMT - 1360 :

AMT 2035 Agribusiness Financial Management (3-0-0 hrs) **3**

This is a course on business management practices and processes for decision making in agribusiness. The impact of financial management on agribusiness performance is examined through the application of selected budgeting and financial processes, as well as through agribusiness risk assessments.

Pre-requisite : AMT - 1335 :

ELECTIVE(S): Course 2 courses from Term 3 Approved electives list below.

TERM 3 Approved Electives:

Course Credits
(Total Credits:6)

AGN 2640 Principles of Soils and Crop Nutrition (3-2-0 hrs) **3**

This course provides the learner with the principles of soil characteristics, soil fertility and fertilizer application. The learner will study chemical and physical soil properties, essential plant nutrients, soil testing, fertilizer types and application methods. Soil sampling techniques, interpretation of soil test reports, and development of fertilizer blends will be performed.

Pre-requisite : AGN - 1240 :

LVS 2470 Livestock Health and Disease (3-3-0 hrs) **3**

Students are instructed regarding basic concepts of livestock diseases including their causes, clinical signs, treatment and prevention. This course is intended for the Agricultural Management program.

Pre-requisite : LVS - 1370 :

LVS 2570 Livestock Breeding Strategies (3-1.5-0 hrs) **3**

This hands-on course will emphasize reproduction and genetic strategies with the objective to successfully artificially inseminate cattle. Students will be required to submit a breeding plan on a

species of personal interest. Participation in activities on the Olds College farm and trips to local livestock enterprises will be expected.

Pre-requisite : LVS - 1370 :

MEC 2060 Precision Cropping Systems (3-0-0 hrs) 3

In this course selected electronic monitors and controllers used on tractors, seeders, sprayers and combines will be studied. Students will also become more familiar with equipment and software used in Precision Farming practices.

Pre-requisite : MEC - 1050 :

TERM 4

Course Credits
(Total Credits:12)

AGN 2740 Environmental Farm Management (3-1.5-0 hrs) 3

Agricultural production is held to increasingly high environmental standards. The challenges and opportunities for agriculture will be examined, particularly those management practices that relate to soil, water, air quality, and wildlife. A term project requires students to make an assessment of a farm operation and develop a practical management plan to improve farm sustainability.

Pre-requisite : AGN - 1240 :

AMT 2630 Agribusiness Planning and Management (3-2-0 hrs) 3

This course allows the learner to integrate concepts from other agricultural management courses in the preparation and presentation of a business plan related to an agri-business or agri-value venture.

Pre-requisite : AMT - 1035 :and

Pre-requisite : AMT - 1335 :and

Pre-requisite : MKG - 1021 :

COM 1030 Workplace Professionalism (3-0-0 hrs) 3

This course introduces students to strategies and techniques for managing self, interacting with others, advancing careers and making ethical decisions. Students develop action plans for professional success, create career documents to demonstrate strengths, skills and abilities and utilize an industry-specific case study to examine ethical issues.

MEC 1490 Farmstead Management (3-3-0 hrs) 3

This course is a general overview of farmstead planning, structures and utility systems. Students study floor planning, building materials, foundations, framing types, technical drawings, environmental controls, electrical and gas, water and sewage systems. On-farm safety, maintenance, relevant codes, environmental planning issues and alternative energy sources are also studied.

ELECTIVE: Choose 1 course from Term 4 Approved electives list below.

TERM 4 Approved Electives:

Course Credits
(Total Credits:3)

AGN 1540 Introductory Pest Management (3-2-0 hrs) 3

Students will study the principles of pest management in agricultural cropping systems. They will learn the basic concepts of integrated pest management and principles guiding the safe use of pesticides. Learners will also focus on the identification of selected weeds, diseases and insects of field crops in western Canada.

Pre-requisite : AGN - 1240 :or

Pre-requisite : PLS - 1010 :and

Pre-requisite : SOI - 1000 :

AGN 2240 Field Crop Management (3-3-0 hrs) 3

Students will explore advanced topics in field crop management. These will include plant growth and development under various environmental conditions, crop genetic improvement through plant breeding, Canadian agricultural production systems, harvesting, storage and quality evaluation of crops, and processing of crops for food and industrial by-products. Identification of Western Canadian field crops will be emphasized.

Pre-requisite : AGN - 1540 :

LVS 2070 Beef Cattle Management (3-2-0 hrs) 3

This course deals with beef production from the birth to slaughter. The objective will be to prepare students to manage a cow/calf herd throughout the yearly cycle. Various options for marketing their calves including retained ownership will be investigated. Feedlot management principles will also be evaluated so participants will have an understanding of the whole value chain. Students will participate in calving rotations and feeding rotations.

It is recommended students take the following elective courses before or while taking LVS 2070:

- LVS 2470 Livestock Health and Disease
- LVS 2370 Livestock Nutrition

Advisory : LVS - 2470 :and

Advisory : LVS - 2370 :

LVS 2370 Livestock Nutrition (3-3-0 hrs) 3

This course applies the principles of nutrition to livestock. It includes a discussion of nutrients, nutrient requirements, sources of nutrients and their cost. It also includes meeting the nutrient requirements of various livestock species through ration balancing.

Pre-requisite : LVS - 1370 :

Graduation Requirements

- Completion of 60 credits
- Completion of all required courses and credits as per Program of Study
- Cumulative program G.P.A. of 2.00 or better
- Satisfactory completion of occupational experience and/or assignment, if required

Changes to this Program

Every effort has been made to ensure that information in this program is accurate at the time of publication. The College reserves the right to change programs if it becomes necessary so that program content remains relevant. In such cases, Olds College will provide clear and timely notice of the changes.

Effective Date: 07/01/2020 to Present

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Agriculture Technology Integration - Post Diploma Certificate

Description

The Olds College Post-Diploma Certificate in Agriculture Technology Integration prepares its graduates for immediate employment in agriculture technology sectors to apply knowledge to link emerging technologies with existing farm infrastructure, including the installation, calibration, troubleshooting, and repair of precision agriculture hardware and equipment, including electrical, mechanical, hydraulic, and software systems.

Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. Recognize the connectedness of, and interactions between, phenomena, people, places and events in local and wider contexts; consider the impact of decisions; understands that the complexity of systems and the interdependence of components is an important area of scientific research and the creation of solutions to technical, economic, and social issues (Systems Thinking).
2. Demonstrate the cognitive skills important for applying theory to practice through analysis, interpretation, evaluation, explanation, inference, and self-regulation (Critical Thinking).
3. Demonstrate the ability to collect, manage, evaluate, and apply data in a critical manner (Data Literacy).
4. Engage in computational thinking -- using strategies to organize data logically, break problems into parts, interpret patterns, and design and implement algorithms to solve problems (Technology).
5. Facilitate the process wherein a need or opportunity is identified and a design solution is developed, considering any economic, environmental, and social impacts that may result (Design Thinking).
6. Clearly conveys information and ideas through a variety of media to individuals or groups in a manner that engages the audience and helps them understand and retain the message (Communication and Client Relations).
7. Recognize and capitalize on opportunities, innovations, and value creation towards developing a mindset that embraces critical questioning, innovation, service, and continuous improvement (Entrepreneurial Thinking).
8. Manage projects and multi-disciplinary teams using problem-solving, systems thinking, and strengths-based leadership strategies through the Project Management Framework (Project Management).
9. Develop personal and professional leadership skills with a focus on self-knowledge, self-regulation, and reflection (Leadership and Professional Development).
10. Install, calibrate, troubleshoot, and repair precision agriculture software and hardware systems.
11. Facilitate interface between agricultural equipment and current and emerging technology (develop skills in the selection and use of tools and processes to produce and care for an agricultural information system for an identified need or outcome).
12. Apply current industry safety protocols and standards.
13. Develop the skill and mindset necessary for maintaining knowledge of current and emerging agricultural technology.
14. Develop knowledge and skill in a range of technologies for a variety of purposes in an agricultural enterprise.
15. Develop knowledge and an understanding of the factors that impact a system's design.
16. Design, produce and evaluate projects that satisfy identified needs, demonstrating skill, knowledge, and understanding of the system's design process.
17. Develop knowledge and an understanding of the functional requirements of information systems for a range of applications within an agricultural enterprise.
18. Develop knowledge, understanding, and appreciation of the interrelationship between design, technology, the individual, society, and the environment.
19. Develop an appreciation of social and ethical issues and the significance of agricultural information systems in society.

Requirements:

TERM 1

Course Credits
(Total Credits:15)

ATG 1008 Solving Technology Problems (0-3-0 hrs) 3

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.

ATI 3002 Design Thinking in Agriculture Technology (0-3-1 hrs) 3

Students will explore design thinking processes and methodologies in agriculture technology in a project-based team environment. Students will focus on projects to solve current challenges in agriculture.

ATI 3003 Network Communications (2-2-0 hrs) 3

Students will be introduced to programmable controllers used in agricultural equipment. Students will program and configure controllers and connect them to build a solution transporting data to solve a problem.

Corequisite : ATG - 1008 :

ATI 3005 Entrepreneurship in Digital Agriculture (2-2-0 hrs) 3

This course is designed to assist students in the application of their knowledge in a business setting. Students will work in groups of 2 to 4 on a term-long precision agriculture consultancy case study. Successful completion requires students to understand key components of building a business plan, including communicating with customers, investors and creditors and hiring and retaining staff.

ATI 3006 Project Management for Sustainable Systems (3-0-0 hrs) 3

Students will use project management principles through case studies and teamwork environments to better understand how project management facilitates problem-solving and innovative solutions in the agriculture technology industry. Using technology, students will engage in problem definition in a sustainable context.

TERM 2

Course Credits
(Total Credits:15)

ATI 3004 Measurement and Instrumentation (2-2-0 hrs) 3

Students will examine calibration, error, and the measurement process, developing a working understanding of analog and digital signals, signal conditioning, data acquisition, measurement of displacement, stress (strain), force, torque, pressure, flow, and temperature.

ATI 3007 Agricultural Function Integration (2-2-1 hrs) 3

Students will analyze agricultural processes and their corresponding machines to develop new functionalities. Students will use design thinking techniques to evaluate existing interfaces and develop required new interfaces or adapters to fit new components to the existing system for additional or enhanced functionality.

ATI 3008 GIS and Agronomy Integration (2-2-1 hrs) 3

Students will examine the relationship between crop production, data management, and precision agriculture software tools in agronomic contexts. Students will build skills to interpret and transfer data to a client or farmer using precision agriculture software.

ATI 3009 Automatic Control and Robotics in Agriculture (2-2-1 hrs) 3

Students will develop a working understanding of the theory and applications of automatic control systems, with emphasis on the features, capabilities, design, and programming skills within closed production systems and broad acre production systems. Students will become familiar with agricultural robots on an introductory level.

Pre-requisite : ATG - 1008 :

ATI 3010 Communications and Client Relations (3-0-0 hrs) 3

Students will research technology advancements and industry trends to establish credibility related to informed decision-making. Students will develop professional communication skills including written, oral, and visual forms for specific purposes and targeted audiences. Students will develop the skills to communicate recommended planning, services, and techniques for technology within the context of industry, business, and professional environments.

Graduation Requirements

- Completion of 30 credits
- Completion of all required courses and credits as per Program of Study
- Cumulative program GPA of 2.0 or better
- Satisfactory completion of occupational experience and/or assignment, if required

Changes to this Program

Every effort has been made to ensure that information in this program is accurate at the time of publication. The College reserves the right to change programs if it becomes necessary so that program content remains relevant. In such cases, Olds College will provide clear and timely notice of the changes.

Effective Date: 07/01/2020 to Present

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Animal Health Technology Diploma

Description

The Olds College Animal Health Technology Program prepares its graduates to be employed in the animal health industry by providing educational excellence in technical procedures, animal nursing care, and client relations.

Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. Interact professionally with clients and colleagues within the animal health industry.
2. Communicate effectively within the animal health industry.
3. Perform animal nursing care.
4. Perform biosecurity measures and protocols in an animal health care environment.
5. Perform veterinary diagnostic laboratory techniques.
6. Perform veterinary diagnostic imaging procedures.
7. Perform veterinary anesthetic and analgesic procedures.
8. Perform veterinary surgical and dental procedures.

Requirements:

TERM 1

Course Credits
(Total Credits:6)

COM 1020 Workplace Communication (3-0-0 hrs) 3

In this course students develop writing and presentation skills. Students will apply rules of grammar, spelling, punctuation and mechanics in the development of letters, email and short reports as well as other documents relevant to their industry. Students will demonstrate strategies and techniques for creating informative and persuasive presentations.

AHT 1050 Introduction to the Veterinary Profession (3-0-0 hrs) 3

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.

TERM 2

Course Credits
(Total Credits:18)

AHT 1120 Discover Your Dream (3-0-0 hrs) 3

Students will connect knowledge from previous and concurrent courses and apply that knowledge to the development of a continuous learning plan. Students will investigate special interests within the veterinary industry to prepare them for learning in final courses and directed field study. This course will empower learners to think critically about their personal and professional development, to diversify their learning experience and prepare them for program completion and entry into the veterinary profession.

AHT 1040 Animal Behaviour and Handling (3-3-0 hrs) 3

Students will learn to interpret natural animal behaviours as they relate to safe handling, restraint

and management practices. Students will understand how animals learn and how to work with several species to create a positive experience for animals and handlers. Students will perform low stress handling and restraint techniques used in veterinary industry. These activities will take place with common domestic species.

AHT 1110 Animal Wellness (3-3-0 hrs) 3

Students will learn about the normal anatomy and physiology of a healthy animal through a systems-based approach. With both a theory and hands-on approach, students will learn how body parts and functions are interrelated.

AHT 1140 Veterinary Practice: The Team Connection (3-0-0 hrs) 3

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.

AHT 1160 Veterinary Elective Equipment and Procedures (0-3-0 hrs) 3

Students will explore elective dental and surgical procedures and theory, performing comprehensive oral health assessment treatment (COHAT) procedures on models. Students will be introduced to specialized equipment used in veterinary practice and perform peri operative duties of a Registered Veterinary Technician (RVT).

AHT 1170 Introductory Pharmacy and Preventative Care (3-0-0 hrs) 3

This course provides students with an understanding of the basics of general pharmacology and the foundation of the mathematics required to calculate appropriate medication doses. Students will be able to describe preventative medicine and the role of a Registered Veterinary Technician (RVT) in animal disease prevention.

TERM 3

Course Credits
(Total Credits:18)

AHT 1150 Hospital Procedures (0-3-3 hrs) 3

Students will care for, collect samples on, and perform diagnostic procedures on animals in their care. Students will be coached as a mentee in semester three, then will receive coaching to act as mentors in semester four.

AHT 1210 Investigating the Cardiovascular and Respiratory Systems (3-3-0 hrs) 3

Using a systems-based approach, students will explore the cardiovascular and respiratory systems through a scientific, investigative lens. They will analyze samples and explore medical and surgical treatment when abnormal results are discovered.

AHT 1220 Investigating the Urinary, Reproductive and Endocrine Systems (3-3-0 hrs) 3

Using a systems-based approach, students will explore the urogenital system through a scientific, investigative lens. They will analyze samples and explore medical and surgical treatment when abnormal results are discovered.

AHT 1230 Investigating the Digestive and Integumentary Systems (3-3-0 hrs) 3

Using a systems-based approach, students will explore the digestive and integumentary systems through a scientific, investigative lens. They will analyze samples and explore medical and surgical treatment when abnormal results are discovered.

AHT 1240 Investigating the Musculoskeletal, Neurological and Sensory Systems (3-0-0 hrs) 3

Using a systems-based approach, students will explore the musculoskeletal, neurological, and sensory systems through a scientific, investigative lens. They will analyze samples and explore medical and surgical treatment when abnormal results are discovered.

AHT 1130 Anesthesia and Analgesia (3-0-0 hrs) 3

This course provides an overview of anesthesia and analgesia theory, looking at how the body systems respond when under anesthesia. Students will analyze the processes used for anesthetic procedures in patients and apply techniques in test cases.

TERM 4

Course Credits
(Total Credits:15)

AHT 2150 Small Animal Surgery, Dentistry and Anesthesia (0-3-0 hrs) 3

Students will perform and assist in surgical and dental cases commonly performed in veterinary clinics. They will also anesthetize patients receiving these procedures. Students will problem solve and suggest options for the anesthesia cases they are involved with.

Pre-requisite : AHT - 1130 :and

Pre-requisite : AHT - 1160 :and

Corequisite : AHT - 1150 :

AHT 2140 Large Animal Procedures (0-3-0 hrs) 3

Students will learn and perform large animal clinical procedures common to the veterinary industry.

Pre-requisite : AHT - 1130 :

Corequisite : AHT - 1150 :

AHT 2120 Small Animal Clinical Procedures (0-3-0 hrs) 3

Students will learn and perform small animal clinical procedures common to the veterinary industry.

AHT 2110 Stream Your Dream: Perform (0-3-0 hrs) 3

This course emphasizes different areas of interest within the veterinary profession. Students will select special interest options they wish to pursue based on their interests expressed in previous courses. The course will provide hands-on learning within the area of interest selected and may include performing skills, attending presentations or going on field trips.

Corequisite : AHT - 1120 :

AHT 2850 Professional Skills Development (3-0-0 hrs) 3

Students prepare for their industry directed field study including investigating practicum placement sites, creating professional resumes and cover letters, and expanding communication skills.

Corequisite : AHT - 2150 :

Corequisite : AHT - 2140 :

TERM 5

Course Credits
(Total Credits:3)

AHT 2950 Industry Directed Field Study (1-0-0 hrs) 3

Students spend six weeks (240 hours) in a veterinary hospital or related animal health business or organization where they apply and reflect on competencies acquired during their education and training in the AHT program.

Pre-requisite : Students must successfully complete all other required courses and have a GPA of 2.0.

Graduation Requirements

- Completion of 60 credits
- Completion of all required courses and credits as per Program of Study
- Cumulative program G.P.A. of 2.00 or better
- Satisfactory completion of occupational experience and/or assignment, if required

Changes to this Program

Every effort has been made to ensure that information in this program is accurate at the time of publication. The College reserves the right to change programs if it becomes necessary so that program content remains relevant. In such cases, Olds College will provide clear and timely notice of the changes.

Effective Date: 05/01/2018 to 05/03/2021

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Apparel Technology - Costume Cutting and Construction Major Diploma

Description

The Olds College Costume Cutting and Construction major prepares its graduates to support the needs and contribute to the success of the performing arts industry by providing educational excellence in pattern making and costume construction for women's and men's wear.

Intake Year Fall 2020

Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. Manage apparel projects.
2. Communicate effectively to meet or exceed the demands of the entertainment industry.
3. Identify historical sources of design.
4. Select fabrics for textile products.
5. Create patterns for individual shapes using flat pattern and draping methods.
6. Operate industrial sewing and pressing equipment.
7. Construct basic and advanced garments and/or costumes.
8. Demonstrate employability skills, as required in the entertainment industry.
9. Follow designer concepts in the development of costumes.
10. Alter and repair costumes to meet production needs.
11. Utilize specialty tools, notions, and techniques to create costume pieces.
12. Demonstrate safe practices in the entertainment industry.
13. Participate as a member of the production team.
14. Determine opportunities for career advancement in the entertainment industry.

Requirements:

TERM 1

Course Credits
(Total Credits:15)

APT 1100 Apparel Construction I (3-3-0 hrs) 3

Students use industrial sewing equipment to develop fundamental sewing techniques in accordance with industry standards for women's wear. Techniques are practiced through a series of required samples. Students use project management strategies to plan and complete apparel projects. Garments produced in this course are for the lower torso. The patterns used are instructor approved and are related to APT 1745 - Pattern Design I.

Corequisite : APT - 1745 :

APT 1160 History of Clothing (3-0-0 hrs) 3

Students study historical costume as a reflection of social, political and economic conditions. They identify dominant silhouettes, styles and details and relate historical influences to contemporary fashion.

APT 1745 Pattern Design I (3-3-0 hrs) 3

Students practice the basic principles of pattern design for women's wear, particularly as they relate

to the lower torso. Both flat pattern and draping methods are used as students interpret fashion drawings to create patterns for skirts and pants, based on a standard size. Students solve fit challenges and further develop their drafting skills while creating lower torso slopers from individual body measurements.

Corequisite : APT - 1100 :

APT 1760 Technical Design I (1.5-1.5-0) 3

Students convey design ideas for lower torso garments using technical drawings and terminology to accurately specify proportion, style and details. They are introduced to elements and principles of design as they relate to apparel development. Students analyse the logistics of garments in order to plan and design apparel concepts. They create technical drawings according to industry standards.

COM 1020 Workplace Communication (3-0-0 hrs) 3

In this course students develop writing and presentation skills. Students will apply rules of grammar, spelling, punctuation and mechanics in the development of letters, email and short reports as well as other documents relevant to their industry. Students will demonstrate strategies and techniques for creating informative and persuasive presentations.

TERM 2

Course Credits
(Total Credits:15)

APT 1120 Textiles (3-1-0 hrs) 3

Students analyze the characteristics of fibres, yarns and fabrics and relate the traits to quality, performance and care requirements. They explore color applications and identify aesthetic and functional finishes. Based on physical characteristics and method of construction, students identify selected fabrics. Textiles are selected and evaluated for end use.

APT 1200 Apparel Construction II (3-3-0 hrs) 3

Through a series of required samples, students continue to develop their intermediate sewing skills, using industrial sewing equipment. They use project management strategies to plan and complete the apparel projects for women's wear. Garments produced in this course are related to the upper torso and the patterns are developed in APT 1740 - Pattern Design II.

Pre-requisite : APT - 1100 :and

Corequisite : APT - 1740 :

APT 1740 Pattern Design II (3-3-0 hrs) 3

Students practice the basic principles of pattern design for women's wear, particularly as they relate to the upper torso. Both flat pattern and draping methods are used as students interpret fashion drawings to create patterns for upper torso garments, based on a standard size. Students solve fit challenges and further develop their drafting skills while creating upper torso slopers from individual body measurements.

Pre-requisite : APT - 1745 :and

Corequisite : APT - 1200 :

APT 1770 Technical Design II (1.5-1.5-0) 3

Students concentrate on upper torso garments and garment details as they continue to develop their skill in creating technical drawings. They apply and analyse the elements and principles of colour and design to develop apparel concepts. Students analyse body proportions and depict garments for various body types to meet individual apparel needs.

Pre-requisite : APT - 1760 :

COM 1030 Workplace Professionalism (3-0-0 hrs) 3

This course introduces students to strategies and techniques for managing self, interacting with others, advancing careers and making ethical decisions. Students develop action plans for professional success, create career documents to demonstrate strengths, skills and abilities and utilize an industry-specific case study to examine ethical issues.

TERM 3

Course Credits
(Total Credits:15)

APT 2530 Integrated Tailoring (3-3-0 hrs) 3

Students draft pattern components related to tailored jackets for women. They combine traditional and contemporary tailoring methods and practice selected construction techniques through a series of required samples. A custom tailored jacket is planned, drafted and constructed using tailoring skills and project management strategies.

Pre-requisite : APT - 1200 :and

Pre-requisite : APT - 1740 :

Pre-requisite : APT - 1770 :

CCC 1000 Pattern Design for Menswear (0-3-0 hrs) 3

Students practice the principles of flat pattern design as they relate to menswear. Students interpret fashion drawings and create modern and historical patterns for men's trousers, waistcoats and jackets.

Pre-requisite : APT - 1740 :

CCC 2050 Costume Cutting and Construction I (3-3-0 hrs) 3

Students in this course research and practice cutting and construction techniques specific to women's period costume undergarments for the arts and entertainment industry. Undergarments produced in this course are from a selected historical period and form the foundation for projects in Costume Cutting and Construction II CCC 2160.

Pre-requisite : APT - 1200 :and

Pre-requisite : APT - 1740 :

CCC 2400 Introduction to the Arts and Entertainment Industry (3-0-0 hrs) 3

Students gain an understanding of the arts and entertainment industry through the exploration of opportunities and participation in events.

CCC 2420 Knitwear for Performance Costumes (3-3-0 hrs) 3

Students explore the use of knit fabrics for performance costumes. They apply pattern drafting concepts to accommodate stretch, while meeting performance needs, and operate specialized industrial machines to practice construction techniques specific to knits. Students draft and construct selected performance blocks, as well as a complete performance costume, while incorporating project management strategies.

Pre-requisite : APT - 1200 :and

Pre-requisite : APT - 1740 :and

Pre-requisite : APT - 1770 :

TERM 4

Course Credits
(Total Credits:15)

CCC 2160 Costume Cutting and Construction II (3-3-0 hrs) 3

Embellishment and finishing techniques, characteristic to historical garments are developed in this course. Students determine appropriate construction techniques to apply to fabrics that have unique characteristics. They plan and complete an historical women's outfit using advanced techniques.

Pre-requisite : APT - 1100 :and

Pre-requisite : APT - 1200 :and

Pre-requisite : CCC - 2050 :

CCC 2200 Costuming Workshops (0-3-0 hrs) 3

Through the facilitation of industry guests and instructors, students explore a variety of areas

specific to costuming.

Pre-requisite : APT - 1100 :

CCC 2300 Men's Tailoring (3-3-0 hrs) 3

Students examine the evolution of the tailored suit and focus on construction of a trouser, waistcoat and jacket. Historical construction techniques will be discussed and implemented in the construction process.

Pre-requisite : APT - 2530 :and

Pre-requisite : CCC - 1000 :

CCC 2600 Costume Cutting and Construction Directed Field Study (0-6-0 hrs) 3

Students work in a theatre with a costume designer and production team to realize the costumes needed for a theatre production. Together, students cut and construct the costumes. Practicum and professional development experiences contribute to the qualifications for attaining a permittee card for the International Alliance of Theatre and Stage Employees (IATSE) Local 212.

Pre-requisite : CCC - 1000 :and

Pre-requisite : CCC - 2050 :

Corequisite : CCC - 2160 :and

Corequisite : CCC - 2300 :

FAP 2540 Apparel Alterations (1-2-0 hrs) 3

Students develop skills in fitting and altering ready-made garments. Students also develop employability skills by working in an alteration shop environment.

Pre-requisite : APT - 1200 :

Graduation Requirements

- Completion of 60 credits
- Completion of all required courses and credits as per Program of Study
- Cumulative program G.P.A. of 2.00 or better
- Satisfactory completion of occupational experience and/or assignment, if required

Changes to this Program

Every effort has been made to ensure that information in this program is accurate at the time of publication. The College reserves the right to change programs if it becomes necessary so that program content remains relevant. In such cases, Olds College will provide clear and timely notice of the changes.

Effective Date: 07/01/2020 to Present

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Apparel Technology - Fashion Apparel Major Diploma

Description

The Olds College Fashion Apparel major prepares its graduates to contribute to the growth and development of the apparel engineering industry by providing educational excellence in patternmaking, fitting, apparel construction and alterations with a foundation in design and product development.

Intake year Fall 2019

Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. Manage apparel projects.
2. Select fabrics for textile products.
3. Identify historical sources of apparel.
4. Communicate effectively to meet or exceed the demands of the fashion workplace.
5. Create patterns for standard and individual shapes using flat pattern and draping methods.
6. Operate industrial sewing and pressing equipment.
7. Construct basic and advanced garments.
8. Demonstrate employability skills, as required in the fashion workplace.
9. Apply elements and principles of design to apparel.
10. Alter garments to meet clients' needs.
11. Analyze product development as it relates to the apparel industry.
12. Prepare patterns for production
13. Use equipment and technology to meet the needs of the apparel industry.

Requirements:

TERM 1

Course Credits
(Total Credits:15)

APT 1100 Apparel Construction I (3-3-0 hrs) **3**

Students use industrial sewing equipment to develop fundamental sewing techniques in accordance with industry standards for women's wear. Techniques are practiced through a series of required samples. Students use project management strategies to plan and complete apparel projects. Garments produced in this course are for the lower torso. The patterns used are instructor approved and are related to APT 1745 - Pattern Design I.

Corequisite : APT - 1745 :

APT 1160 History of Clothing (3-0-0 hrs) **3**

Students study historical costume as a reflection of social, political and economic conditions. They identify dominant silhouettes, styles and details and relate historical influences to contemporary fashion.

APT 1745 Pattern Design I (3-3-0 hrs) **3**

Students practice the basic principles of pattern design for women's wear, particularly as they relate to the lower torso. Both flat pattern and draping methods are used as students interpret fashion drawings to create patterns for skirts and pants, based on a standard size. Students solve fit challenges and further develop their drafting skills while creating lower torso slopers from individual

body measurements.

Corequisite : APT - 1100 :

APT 1760 Technical Design I (1.5-1.5-0) 3

Students convey design ideas for lower torso garments using technical drawings and terminology to accurately specify proportion, style and details. They are introduced to elements and principles of design as they relate to apparel development. Students analyse the logistics of garments in order to plan and design apparel concepts. They create technical drawings according to industry standards.

COM 1020 Workplace Communication (3-0-0 hrs) 3

In this course students develop writing and presentation skills. Students will apply rules of grammar, spelling, punctuation and mechanics in the development of letters, email and short reports as well as other documents relevant to their industry. Students will demonstrate strategies and techniques for creating informative and persuasive presentations.

TERM 2

Course Credits
(Total Credits:15)

APT 1120 Textiles (3-1-0 hrs) 3

Students analyze the characteristics of fibres, yarns and fabrics and relate the traits to quality, performance and care requirements. They explore color applications and identify aesthetic and functional finishes. Based on physical characteristics and method of construction, students identify selected fabrics. Textiles are selected and evaluated for end use.

APT 1200 Apparel Construction II (3-3-0 hrs) 3

Through a series of required samples, students continue to develop their intermediate sewing skills, using industrial sewing equipment. They use project management strategies to plan and complete the apparel projects for women's wear. Garments produced in this course are related to the upper torso and the patterns are developed in APT 1740 - Pattern Design II.

Pre-requisite : APT - 1100 :and

Corequisite : APT - 1740 :

APT 1740 Pattern Design II (3-3-0 hrs) 3

Students practice the basic principles of pattern design for women's wear, particularly as they relate to the upper torso. Both flat pattern and draping methods are used as students interpret fashion drawings to create patterns for upper torso garments, based on a standard size. Students solve fit challenges and further develop their drafting skills while creating upper torso slopers from individual body measurements.

Pre-requisite : APT - 1745 :and

Corequisite : APT - 1200 :

APT 1770 Technical Design II (1.5-1.5-0) 3

Students concentrate on upper torso garments and garment details as they continue to develop their skill in creating technical drawings. They apply and analyse the elements and principles of colour and design to develop apparel concepts. Students analyse body proportions and depict garments for various body types to meet individual apparel needs.

Pre-requisite : APT - 1760 :

COM 1030 Workplace Professionalism (3-0-0 hrs) 3

This course introduces students to strategies and techniques for managing self, interacting with others, advancing careers and making ethical decisions. Students develop action plans for professional success, create career documents to demonstrate strengths, skills and abilities and utilize an industry-specific case study to examine ethical issues.

TERM 3

Course Credits
(Total Credits:15)

APT 2530 Integrated Tailoring (3-3-0 hrs) 3

Students draft pattern components related to tailored jackets for women. They combine traditional and contemporary tailoring methods and practice selected construction techniques through a series of required samples. A custom tailored jacket is planned, drafted and constructed using tailoring skills and project management strategies.

Pre-requisite : APT - 1200 :and

Pre-requisite : APT - 1740 :

Pre-requisite : APT - 1770 :

FAP 2460 Pattern Design III (3-3-0 hrs) 3

In this advanced pattern design course for women's wear, students apply pattern drafting and draping methods to advanced bodice and dress designs. Students create specification sheets and apply project management strategies to the development of advanced patterns and toiles.

Pre-requisite : APT - 1740 :

FAP 2470 Digital Media for Fashion (3-0-0 hrs) 3

Students use appropriate programs to create fashion presentations. They amalgamate digital work to develop solutions for managing tasks related to apparel business.

Pre-requisite : APT - 1770 :

FAP 2580 Apparel Industry Applications (3-0-0 hrs) 3

Students analyse the process of product development from concept to point of sale. Students develop a collection within a group, sourcing the required materials, developing detailed specification and costing sheets and analyzing the production process. Students complete a 40 hour directed field study in the apparel industry assessed on a pass/fail basis. Students must achieve a pass for the directed field study and achieve a passing grade for other assessments as per course requirements for successful completion of course.

Pre-requisite : COM - 1030 :

FAS 2010 Image Analysis and Styling (3-0-0 hrs) 3

This course teaches the student how to apply the elements and principles of design in garment selection to body types to bring about a desired image. Students are introduced to the business of styling. Students will analyze and style a client's wardrobe.

TERM 4

Course Credits
(Total Credits:15)

APT 2520 Knitwear for Fashion (3-3-0 hrs) 3

Students explore the use of knit fabrics for fashion and athleisure apparel. They draft upper and lower torso blocks, specific to fashion knit garments, and draft components common to knitwear design. Specialized industrial machines are used to practice construction techniques specific to knitwear. Students apply drafting and construction methods to selected knitwear apparel while incorporating project management strategies.

Pre-requisite : APT - 1200 :and

Pre-requisite : APT - 1740 :

Pre-requisite : APT - 1770 :

FAP 2445 Computerized Pattern Design (3-3-0 hrs) 3

Students in this course practice using industry specific pattern drafting software. Flat pattern drafting principles are applied in this computer environment for the creation of standard and made-to-measure patterns.

Pre-requisite : APT - 1740 :

FAP 2465 Apparel Construction III (3-3-0 hrs) 3

In this course, students develop advanced embellishment and finishing techniques characteristic of bridal and evening wear. They determine appropriate construction techniques to apply to fabrics that

have unique characteristics. Students plan and complete a dress, using the pattern that they design in Pattern Design III.

Pre-requisite : APT - 1200 :and

Pre-requisite : FAP - 2460 :

FAP 2540 Apparel Alterations (1-2-0 hrs) 3

Students develop skills in fitting and altering ready-made garments. Students also develop employability skills by working in an alteration shop environment.

Pre-requisite : APT - 1200 :

FAP 2550 Grading and Marker Making (3-0-0 hrs) 3

Students apply the principles of pattern grading to increase and decrease the size of selected patterns manually and in a computerized environment. Grading charts are analyzed and developed. Students learn and practice the principles of marker making using industry specific software.

Pre-requisite : APT - 1740 :

Corequisite : FAP - 2445 :

Graduation Requirements

- Completion of 60 Credits
- Completion of all required courses and credits as per Program of Study
- Cumulative program G.P.A. of 2.00 or better
- Satisfactory completion of occupational experience and/or assignment, if required

Changes to this Program

Every effort has been made to ensure that information in this program is accurate at the time of publication. The College reserves the right to change programs if it becomes necessary so that program content remains relevant. In such cases, Olds College will provide clear and timely notice of the changes.

Effective Date: 07/01/2019 to Present

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Arboriculture Technician Certificate

Description

The Olds College Arboriculture Technician Certificate Program prepares its graduates to apply their knowledge and skills in tree diagnostics and care.

Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. Apply a working knowledge of current industry safety standards and practices.
2. Demonstrate an awareness of arboriculture industry sectors.
3. Communicate to influence business and regulatory decisions within the horticulture sector.
4. Perform selected calculations for efficient and profitable horticulture practices.
5. Identify tree species.
6. Recognize specific tree requirements.
7. Integrate appropriate technologies into current urban forest maintenance practices.
8. Recognize the ecological, economic, and social implications of horticulture decisions and processes.
9. Manage various tasks, opportunities, and problems using a comprehensive problem solving strategy.
10. Demonstrate ethical and appropriate behaviour that contributes to the achievement of personal goals and business objectives.

Requirements:

TERM 1

Course Credits
(Total Credits:15)

ARB 1000 Exploring the Life of Trees (0-3-0 hrs) **3**

Students explore the world of trees through identification and by discovering the structure and function of woody plants as they respond to their surrounding environment.

ARB 1100 Conducting Ground Operations (0-3-0 hrs) **3**

Students gain individual and team skills necessary to provide support to arborists working aloft in addition to experiencing the safe use of tools and techniques used to handle tree parts on the ground.

ARB 1200 Pruning Trees for Structure and Health (0-3-0 hrs) **3**

Learners discover the principles and practices of pruning trees by utilizing tools and techniques required to influence plant architecture.

ARB 1300 Performing Tree Risk Assessment (0-3-0 hrs) **3**

The learner gains knowledge in the detection, assessment, and mitigation of tree risk by implementing industry assessment strategies on trees in the landscape.

ARB 2100 Conducting Aerial Operations (0-3-0 hrs) **3**

The student develops the skills necessary to safely perform tree care activities within tree canopies using tools and techniques common to arboriculture. The learner will also create and practice emergency response plans for tree climber extrications.

Graduation Requirements

- Completion of 15 credits

- Completion of all required courses and credits as per Program of Study
- Cumulative program G.P.A. of 2.00 or better
- Satisfactory completion of occupational experience and/or assignment, if required

Changes to this Program

Every effort has been made to ensure that information in this program is accurate at the time of publication. The College reserves the right to change programs if it becomes necessary so that program content remains relevant. In such cases, Olds College will provide clear and timely notice of the changes.

Effective Date: 07/01/2014 to Present

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Bachelor of Applied Science - Agribusiness Applied Degree

Description

The Olds College Bachelor of Applied Science - Agribusiness Degree Program builds upon knowledge, experiences and skills previously gained in related academic programs and prior work/life experiences. The BASC program prepares its graduates to apply knowledge and skills gained in strategic business management and self-directed learning to contribute to the global agribusiness industry.

Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. Lead and work in a team environment.
2. Communicate effectively.
3. Consider ethical implications of actions.
4. Evaluate usefulness of information to achieve various ends.
5. Apply critical thinking and problem solving skills to support the agribusiness industry.
6. Identify learning goals and take appropriate courses of action to achieve them.
7. Make strategic management decisions.

Requirements:

TERM 1

Course Credits
(Total Credits:15)

BAS 3999 Introduction to Self-directed Learning (3-0-0 hrs) 0

This course provides learners with the opportunity to develop and use the skill of reflection to help them prepare a learning plan that will guide their fourth year in Directed Field Study. Learners will produce a portfolio that addresses their past, current and future learning and skill development objectives. All design and presentation activity will be completed using a technology interface that will enable learners to enhance their professional skills in communicating a technology.

MGT 3100 Financial Management (3-0-0 hrs) 3

This course applies the concepts of financial management relevant to non-financial managers. Building on fundamental business principles, learners will examine the relationship among the fundamental financial management accounting tools. Through case studies and exercises, they will learn about the role of integrated financial statements (balance sheet, income statement and cash flow budgets) in strategic planning and operational decision making in a dynamic organizational environment.

MGT 3200 Project Management for Agriculture (3-0-0 hrs) 3

Learners will implement project management principles and processes in an agricultural context. Project management software will be used to implement a step-by-step process from defining a problem or opportunity through to project completion. Comprehensive 'Request for Proposals' will be developed as an integral part of the implementation of a successful proposal process. Critical thinking and analytical skills will be developed during the problem-solving process.

MGT 3400 Strategic Human Resources Management (3-0-0 hrs) 3

The learner focuses on acquiring a holistic perspective on human resource practices. Creating competitive advantage through working with the people in an organization is investigated from the

perspective of the management generalist.

MGT 3600 Economics and Risk Management (3-0-0 hrs) 3

The learner prepares for managerial decision-making by investigating economic models and exploring how the Canadian economy functions. Students will study agricultural markets with an emphasis on price risk management in commodity marketing.

MKG 3000 Strategic Marketing (3-0-0 hrs) 3

This is an advanced marketing course designed for BASc - Agribusiness students which will present students with an effective approach to analysing, planning and implementing market strategies. Students will analyse the marketing efforts of a "client" organization as well as work in teams to complete a high level marketing simulation game. Additionally, students will explore the concepts of consultative selling, customer data-basing and an account penetration planning process.

TERM 2

Course Credits
(Total Credits:15)

BAS 3999 Introduction to Self-directed Learning (3-0-0 hrs) 3

This course provides learners with the opportunity to develop and use the skill of reflection to help them prepare a learning plan that will guide their fourth year in Directed Field Study. Learners will produce a portfolio that addresses their past, current and future learning and skill development objectives. All design and presentation activity will be completed using a technology interface that will enable learners to enhance their professional skills in communicating a technology.

MGT 3333 Agricultural Innovation and Leadership (3-0-0 hrs) 3

This course will provide learners with a strategic perspective on the emerging roles of technology and innovation in the agricultural sector. Additionally, students will explore effective leadership methods. Students will analyze historical and current theories in Leadership and practices in preparation for selecting appropriate strategies for dealing with leadership situations. They will also examine contemporary leadership issues in the context of helping organizations achieve their stated goals.

MGT 3500 Applied Research (3-0-0 hrs) 3

This course provides foundational knowledge and scaffolding in applied research. Students will be required to use twenty first century skills to complete a research project and communicate the results through delivery of a professional report and presentation.

MGT 4000 Strategic Business Management (3-0-0 hrs) 3

The purpose of this course is to enable the student to draw on analytical tools and previous knowledge to analyze complex business problems in order to provide sound recommendations communicated through a professional report and presentation.

Pre-requisite : MGT - 3100 :and

Pre-requisite : MKG - 3000 :and

Pre-requisite : MGT - 3400 :

MKG 3500 International Marketing (3-0-0 hrs) 3

This course provides an overview of international marketing in the small business context. Identification and evaluation of opportunities in the international marketplace, foreign exchange and payment mechanisms, import and export documentation and processes, packaging, transportation and communication methods will be covered.

Pre-requisite : MKG - 3000 :

TERMS 3 and 4

Course Credits
(Total Credits:30)

BAS 4999 Directed Field Study (0-0-0 hrs) 30

This course in Directed Field Studies (DFS) is the fourth year of study of the Bachelor of Applied Science Degree. Students will develop individualized learning plans for the DFS and complete the

DFS based upon their learning goals. Upon completion of the DFS, each student will submit the DFS Report and Career ePortfolio for assessment.

Pre-requisite : 27 Credits from third year of study, BAS 3999 and the approval of the Instructor.

Graduation Requirements

- Graduation from a recognized Diploma program in a related field of study
- Completion of 120 credits
- Completion of all required courses and credits as per Program of Study
- Cumulative program G.P.A. of 2.50 or better
- Satisfactory completion of 30 credits of Directed Field Studies in an approved employment environment

Changes to this Program

Every effort has been made to ensure that information in this program is accurate at the time of publication. The College reserves the right to change programs if it becomes necessary so that program content remains relevant. In such cases, Olds College will provide clear and timely notice of the changes.

Effective Date: 05/01/2018 to Present

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Bachelor of Applied Science-Golf Course Management Applied Degree

Description

The Bachelor of Applied Science, Golf Course Management major prepares diploma graduates to assume positions of responsibility within the Golf Industry. The program provides business, applied science and advanced technical training.

Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. Apply open inquiry processes to think critically about probable solutions to industry challenges.
2. Communicate effectively in a workplace environment.
3. Identify and address learning needs in changing circumstances.
4. Select an appropriate course of action to achieve learning goals.
5. Apply team-building philosophies in leadership roles.
6. Apply ethical decision making and sound business practices to promote professionalism and growth of the golf course management industry.
7. Develop and reflect on personal philosophies as a foundation for creating a successful master plan.
8. Apply environmental, economic, and ethical implications of decisions and processes.

Requirements:

TERM 1

Course Credits
(Total Credits:9)

BHO 3100 Research Methods (3-0-0 hrs) 3

This course will prepare learners to understand selected elements of statistics and their application in decision-making processes. The focus is on developing an understanding of common research methods and their application in problem solving and permits an informed evaluation of published research. The concepts covered in this course will be applied in BHO 4000 Integrated Project.

BHO 3300 Project Management Principles (3-0-0 hrs) 3

The learner shall gain knowledge and skills in the principles of project management. Topics include general project planning, work breakdown structures, scheduling, and project control/tracking. Various project management software is used to facilitate learning these principles.

BHO 3999 Directed Field Study Preparation (3-0-0 hrs) 3

This course supports learners as they develop their reflective practice, analyze their current competencies and prepare for the fourth year of the Applied Degree. Learners gain skills and knowledge that support self-directed learning, and document past achievement and future plans in a web-based career portfolio. They set career goals and prepare a learning plan and evaluation criteria that will form the basis of their personalized learning experience in BHO 4999 Horticulture Directed Field Study.

TERM 2

Course Credits
(Total Credits:21)

TRF 3000 Creating an Agronomic Calendar (3-0-0 hrs) 3

Students plan and build an agronomic calendar relating to all applications of products, scheduling of

staff and implementation of cultural practices and budgets.

TRF 3020 Assessing Water Quality on Golf Courses (3-0-0 hrs) 3

Students assemble information, discover and analyse processes that influence sustainable methods in golf course water management.

TRF 3100 Exploring Case Studies in Golf Course Management (3-0-0 hrs) 3

Students analyze, reflect and propose solutions to challenges in golf course case studies.

TRF 3120 Maintaining Golf Course Design Integrity (3-0-0 hrs) 3

Students explore trends and technologies as it relates to golf course design and the management of design integrity.

TRF 3800 Evaluating Master Planning Strategies (3-0-0 hrs) 3

Students will develop their own golf course management philosophy and will produce a master plan to attempt to protect the legacy of the golf course business for the membership.

TRF 4100 Certified Environmental Professional (0-6-0 hrs) 3

Students gain an understanding of moral and ethical issues pertaining to golf courses and the environment. Principles of The Audubon Cooperative Sanctuary Program for Golf Courses are used to develop an environmental management plan for a golf course. Students develop strategies to implement Best Management Practices with the goal of fostering environmental awareness and commitment to sustainability.

TRF 4200 Golf Operational Management (3-0-0 hrs) 3

The learner will gain knowledge of operational considerations for the management of selected areas of a golf business. Through a series of case studies and projects, students will enhance their understanding of golf shop operations, food and beverage operations, financial management strategies and the impact of maintenance operations on business performance.

TERM 3 & 4

Course Credits
(Total Credits:30)

BHO 4999 Horticulture Directed Field Study (0-0-0 hrs) 30

The fourth year of study of the Bachelor of Applied Science Degree is based on the model of self-directed learning in a mentored workplace setting, referred to as a Directed Field Study (DFS). The DFS will consist of the equivalent of two academic terms. During their DFS employment, the learner maintains a current personalized site-specific learning plan and receives support from an industry mentor as they work to achieve specified learning outcomes. Throughout this process the learner documents evidence of achievement and upon completion of the DFS, they submit a written final report and updated career portfolio for assessment.

Pre-requisite : BHO - 3999 :and

Pre-requisite : 15 credits from third year of study

Graduation Requirements

- Completion of 120 credits
- Completion of all required courses and credits as per Program of Study
- Cumulative program G.P.A. of 2.50 or better
- Satisfactory completion of 30 credits of Directed Field Studies in an approved employment environment

Changes to this Program

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Effective Date: 05/01/2018 to Present

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Bachelor of Applied Science-Horticulture Applied Degree

Description

The Bachelor of Applied Science Horticulture prepares graduates to assume positions of responsibility within the production horticulture and landscape industries. The program provides business, applied science and advanced technical training.

Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. Gather, analyze, evaluate, use information from a variety of sources to complete tasks, solve problems, make decisions relevant to occupational fields of practice.
2. Apply critical thinking and analytical skills both inside and outside the program's field of study.
3. Use problem-solving strategies related to the discipline and/or occupational fields of practice to complete projects.
4. Using a variety of media, communicate accurately and reliably both orally and in writing to a range of audiences.
5. Recognize limits to knowledge and skill level within program related occupational fields of practice.
6. Identify and address learning needs in changing circumstances and select an appropriate course of action to achieve learning goals.
7. Work effectively with others.
8. Behave consistently with ethically sound reasoning.
9. Apply ethical decision making and sound business practices to promote professionalism and growth of the horticulture industry.

Requirements:

TERM 1

Course Credits
(Total Credits:9)

BHO 3100 Research Methods (3-0-0 hrs) 3

This course will prepare learners to understand selected elements of statistics and their application in decision-making processes. The focus is on developing an understanding of common research methods and their application in problem solving and permits an informed evaluation of published research. The concepts covered in this course will be applied in BHO 4000 Integrated Project.

BHO 3300 Project Management Principles (3-0-0 hrs) 3

The learner shall gain knowledge and skills in the principles of project management. Topics include general project planning, work breakdown structures, scheduling, and project control/tracking. Various project management software is used to facilitate learning these principles.

BHO 3999 Directed Field Study Preparation (3-0-0 hrs) 3

This course supports learners as they develop their reflective practice, analyze their current competencies and prepare for the fourth year of the Applied Degree. Learners gain skills and knowledge that support self-directed learning, and document past achievement and future plans in a web-based career portfolio. They set career goals and prepare a learning plan and evaluation criteria that will form the basis of their personalized learning experience in BHO 4999 Horticulture Directed Field Study.

TERM 2

Course Credits
(Total Credits:18)

BHO 3500 Sustainable Sites (0-3-0 hrs) 3

This course introduces the principles and applications of processes that integrate sustainable system functions to preserve or replicate natural processes in landscape development and management practices. Building on knowledge and experience acquired through previous education and employment, the learner will participate in the development of projects promoting sustainable site initiatives.

BHO 3540 Social Innovation Through Horticulture (0-3-0 hrs) 3

Students are introduced to ideologies of social responsibility within the context of horticulture businesses. The learners will develop a social innovation project that relates to various sectors of the green industry.

BHO 3800 Leadership in Horticulture(0-3-0 hrs) 3

At the end of this course learners will identify, work with and promote effective leadership skills as it relates to the green industry sector.

BHO 3999 Directed Field Study Preparation (3-0-0 hrs) 3

This course supports learners as they develop their reflective practice, analyze their current competencies and prepare for the fourth year of the Applied Degree. Learners gain skills and knowledge that support self-directed learning, and document past achievement and future plans in a web-based career portfolio. They set career goals and prepare a learning plan and evaluation criteria that will form the basis of their personalized learning experience in BHO 4999 Horticulture Directed Field Study.

WTR 3000 Water Capture and Management (0-3-0 hrs) 3

The learner shall gain knowledge and skills in the principles of the design and development of water capture systems and use for small and large scale horticulture applications. Topics include laws legislating water use, types of capture and water quality.

HRT 2200 Emerging Trends & Innovations in Horticulture (0-3-0 hrs) 3

Students explore and implement marketing, regulatory, technological, and cultural requirements for innovative horticulture systems.

TERM 3 & 4

Course Credits
(Total Credits:36)

BHO 4000 Integrated Project (0-3-1 hrs) 3

Integrated Project is a capstone course focusing upon problem-solving and project management principles. It is designed to provide learners with opportunities to bring knowledge, skills, and dispositions developed from past education and work experience to manage a project. The course bridges the gap between learning in school and learning on the job through the project designed and executed by the learner.

Pre-requisite : BHO - 3100 :and

Pre-requisite : BHO - 3300 :

BHO 4710 Ethics & Pest Management (3-0-0 hrs) 3

This is an advanced course in the problems and procedures of integrated pest management and environmental issues and their ethical implications. Students engage in analytical thought and discourse through their interaction with the materials of the course. Students prepare an integrated pest management plan relevant to their major.

BHO 4999 Horticulture Directed Field Study (0-0-0 hrs) 30

The fourth year of study of the Bachelor of Applied Science Degree is based on the model of self-directed learning in a mentored workplace setting, referred to as a Directed Field Study (DFS). The DFS will consist of the equivalent of two academic terms. During their DFS employment, the learner maintains a current personalized site-specific learning plan and receives support from an industry

mentor as they work to achieve specified learning outcomes. Throughout this process the learner documents evidence of achievement and upon completion of the DFS, they submit a written final report and updated career portfolio for assessment.

Pre-requisite : BHO - 3999 :and

Pre-requisite : 15 credits from third year of study

Graduation Requirements

- Graduation from a recognized Diploma program in related field of study
- Completion of 120 credits
- Completion of all required courses and credits as per Program of Study
- Cumulative program G.P.A. of 2.50 or better
- Satisfactory completion of 30 credits of Directed Field Studies in an approved employment environment

Changes to this Program

Every effort has been made to ensure that information in this program is accurate at the time of publication. The College reserves the right to change programs if it becomes necessary so that program content remains relevant. In such cases, Olds College will provide clear and timely notice of the changes.

Effective Date: 05/01/2018 to 08/31/2021

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Brewmaster and Brewery Operations Management Diploma

Description

This program prepares graduates for employment in the expanding brewery, microbrewery and brewpub industries. The program provides significant hands-on training on-site and includes specialized instruction in brewing science and technology, brewery operations, sales management and business applications specific to beer-related or brewery-related businesses.

Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. Demonstrate the fundamental techniques of beer making.
2. Demonstrate laboratory analysis of beer as required in a brewery.
3. Select and use established techniques in marketing and public relations related to the beer industry.
4. Discuss the history and evolution of the beer industry in relation to today's market.
5. Identify, select and utilize process technology practices in brewery operations, packaging and handling.
6. Evaluate consistency and quality of beer, and determine beer style and characteristics.
7. Discuss and apply business strategies related to brewery operations, including labour management, sales and government legislation.
8. Formulate and develop a beer recipe for the market place.
9. Utilize computer applications for brewery operations.
10. Demonstrate effective communication and personal management skills in the work place.

Requirements:

Term 1

Course Credits
(Total Credits:15)

BRW 1101 Basic Practical Brewing (1-2-0 hrs) **3**

Through the operation of the Olds College Teaching Brewery and Pilot brewery, you will learn the fundamentals of beer making. Using brewery equipment and technology you will develop your knowledge of the beer industry and the critical role of brewery safety.

BRW 1103 Sensory Evaluation of Beer (1.5-1.5-0 hrs) **3**

In this course, you will develop skills to critically evaluate a beer's sensory properties, judge quality and detect potential defects in beer. In an ideal tasting environment, you will learn how to isolate and identify a wide range of beer flavours. You will investigate the physiology and psychology of sensory perception and assess and describe the elements of beer quality using the appropriate brewing jargon. Finally, you will learn how to create an ideal sensory environment and how to select the appropriate sensory test to meet the objectives of a sensory study.

BRW 1150 The Brewing Industry and You (3-0-0 hrs) **3**

This course will provide an introduction to the trade of brewing. You will investigate the brewing process from grain to glass and discover how separate processes interact to produce the final product. You will investigate the constituents of beer and how they affect an individual, in particular alcohol, its potential for abuse, and its influence on society. You will be required to complete the ProServe certification. You will also develop inter- and intra-personal skills that are important for succeeding in the brewery trade and in the development of an ethical mindset.

BRW 1300 Brewing Ingredients (3-0-0 hrs) **3**

In this course, the student will learn how various ingredients in the beer making process affect the

style and quality of beer and will examine barley and malting; the growing and selection of barley, the different varieties for malting and the technology and science of malting grains for different beer styles. The student will analyze malt, specialty malts and adjuncts and examine the growing of hops and varieties of hops that come from principal production areas worldwide. The student will investigate the effect of hops on the production of wort and the development of beer flavour.

BRW 1050 Mathematics and Statistics for the Brewer (3-1-0 hrs) 3

Students develop mathematics and statistical skills applicable to practical problems in the brewery trade. Topics include presentation of financial information, commercial credit, simple and compound interest, mortgages, loans, depreciation methods, lease versus buy decision, statistical analysis and testing. This course prepares students for later courses in beer recipe development, sales and promotion, brewery operations and management.

TERM 2

Course Credits
(Total Credits:15)

BRW 1200 Brewing Microbiology (3-1-0 hrs) 3

This course will focus on microorganisms involved in beer production. Students will develop an awareness and understanding of the importance of the biology of yeasts, their growth, propagation and management. Students will also be exposed to other organisms that influence brewing and the role played by enzymes. Laboratory exercises will provide hands-on experience and will include biology, cultivation, purification, and identification of yeast and bacteria involved in beer production.

BRW 1201 Practical Brewing (1-2-0 hrs) 3

In this course, through the operation of the Olds College Teaching Brewery and Pilot brewery, you will learn advanced beer making techniques. Using brewery equipment and technology you will further develop your knowledge of the beer industry and the critical role of brewery safety.

BRW 1203 Sensory Evaluation of World Beers (1.5-1.5-0 hrs) 3

In this course, you will develop your beer sensory skills. You will develop a deeper understanding of beer flavour and terminology of sensory evaluation. You will develop your own personal tasting procedure and discuss ways of continuing your training on your own. You will enhance your skills to critically evaluate a beer's sensory properties, make a judgment on quality and detect potential defects. You will compare a variety of tasting profiles and learn how they apply to combinations with each other and food.

BRW 1304 Brewhouse Calculations and Recipe Formulation (3-0-0 hrs) 3

In this course you will learn to use mathematics in the brewery in materials control and development of beer recipes to determine precise alcohol levels, and grain and hop usage rates. You will develop your own recipes and test them in the brewing courses.

COM 1020 Workplace Communication (3-0-0 hrs) 3

In this course students develop writing and presentation skills. Students will apply rules of grammar, spelling, punctuation and mechanics in the development of letters, email and short reports as well as other documents relevant to their industry. Students will demonstrate strategies and techniques for creating informative and persuasive presentations.

TERM 3

Course Credits
(Total Credits:15)

BRW 1205 Brewery Equipment and Technology (3-0-0 hrs) 3

In this course you will learn the basics of unit operations and processing equipment used in modern commercial beer making. Visits to breweries will provide hands-on experience with equipment from filtration to packaging. You will investigate scheduling, record keeping, packaging techniques, basic tanks and temperature controls, lauter tuns, mash filters and wort boiling systems.

BRW 1206 Brewing Chemistry (3-1-0 hrs) 3

In this course you will review chemistry fundamentals as they apply to the production of wort and beer with emphasis on wort production, fermentation, and filtration. Using laboratory exercises, you will study the properties of gases and liquids, thermodynamics, pH and pressure, and how they

influence brewery production processes and beer quality. You will also develop knowledge and skills about the different types of chemicals used in beer production and maintenance of brewery hygiene. Finally, you will become familiar with the lab equipment and lab techniques used to measure, monitor and analyze the different chemical properties of wort and beer, and understand their relationships to beer production.

BRW 1301 Practical Brewing II (1-2-0 hrs) 3

In this course, through the use of the Olds College Teaching Brewery and Pilot brewery, you will operate and control both systems independently. Using brewery equipment and technology you will further develop your knowledge of the beer industry and the critical role of brewery safety.

BRW 1306 Filtration, Carbonation and Finishing (2.5-0.5-0 hrs) 3

In this applied and theoretical course you will study cold storage, the different types of filters, their operation and role in the clarification of beer. You will also practice natural and forced carbonation methods and the stabilization of beer ready for packaging operations.

BRW 2402 Beer Sales and Promotions (3-0-0 hrs) 3

In this course, students will explore the fields of marketing, sales and management for the brewing industry. Students will learn the basics of marketing and sales techniques in the consumer and business marketplace. The management component will include the regulatory requirements for the sale and advertisement of beer in Alberta and the license requirement to sell beer in multiple channels. Students will create a sales and marketing plan, set up and run a sales department including the staffing, managerial and oversight requirements.

TERM 4

Course Credits
(Total Credits:15)

BRW 1104 History of Brewing and Beer (3-0-0 hrs) 3

In this course the student will investigate the history of beer and brewing from its earliest recorded origins in Mesopotamia, the evolution of the brewing industries and the roles played by individuals, organizations and governments in beer development.

BRW 1207 Packaging (2.5-0.5-0 hrs) 3

In this course, the student will develop a basic knowledge of bottling, canning and kegging beer, emphasizing best practices and their impact on product stability and shelf life. Students will learn how issues of colloidal stability, microbiological stability and oxygen pickup relate to processing techniques and how packaging quality control tests relate to process control. Students will investigate how draught system design and maintenance relates back to the core of delivering beer at its best to the consumer. Students will learn principles of labelling and packaging line design. Students will learn the importance of, and practice Health and Safety in the workplace.

BRW 2100 Brewery Management and Operations (3-0-0 hrs) 3

In this course the student will learn the fundamentals of brewery management and the role of vertical integration within the brewery trade. The student will gain knowledge of different managerial metrics including annual plans, budgets, labour management, scheduling of work, legal compliance and recordkeeping. The student will discover the role of government in brewery operations, marketing and sales.

BRW 2302 Specialty Brewing (1-2-0 hrs) 3

In this course you will apply advanced techniques of beer making. You will develop personal recipes that reflect a variety of seasonal and specialty beers with the complete analysis/report of the product(s). You will use the Olds College Teaching Brewery as your lab and base to make student beer.

ACT 1000 Recordkeeping (1.5-0-1.5 hrs) 3

Recordkeeping is a course that provides learners with the opportunity to develop competencies in input, manipulation and output of data necessary to demonstrate the successful operation of a business enterprise. This course is designed to provide an application of spreadsheet software skills to the operations tracking of data needed to develop financial statements. It is strongly recommended students have a working knowledge of spreadsheet software.

Graduation Requirements

- Completion of 60 credits
- Completion of all required courses and credits as per Program of Study
- Cumulative program G.P.A. of 2.00 or better
- Satisfactory completion of occupational experience and/or assignment, if required

Changes to this Program

Every effort has been made to ensure that information in this program is accurate at the time of publication. The College reserves the right to change programs if it becomes necessary so that program content remains relevant. In such cases, Olds College will provide clear and timely notice of the changes.

Effective Date: 07/01/2020 to Present

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Business Management - Certificate

Description

The Olds College Business Management Certificate program prepares graduates for entry level management positions to support local, regional, national and global organizations or to continue further business studies.

Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. Communicate with stakeholders to achieve personal and organizational objectives.
2. Apply strategic leadership skills to achieve organizational objectives
3. Analyze business information to make strategic decisions
4. Apply professional standards to achieve personal and organizational objectives
5. Apply ethical standards to achieve personal and organizational objectives
6. Apply the marketing process to achieve organizational objectives
7. Apply project management principles to achieve organizational objectives

Requirements:

TERM 1

Course Credits
(Total Credits:15)

ACT 1011 Accounting Principles I (3-1-0 hrs) **3**

This course provides 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.

BUS 1050 Business Mathematics (3-0-1 hrs) **3**

Students develop mathematics skills applicable to practical problems in business, industry and future employment. Topics include presentation of financial information, consumer and commercial credit, simple and compound interest, financial instruments and discounting, annuities, mortgages, loans, sinking funds, depreciation methods, capitalized costs, cash flow analysis, lease versus buy decision, net present value and internal rate of return. This course prepares students for later courses in accounting, marketing, business and finance.

COM 1020 Workplace Communication (3-0-0 hrs) **3**

In this course students develop writing and presentation skills. Students will apply rules of grammar, spelling, punctuation and mechanics in the development of letters, email and short reports as well as other documents relevant to their industry. Students will demonstrate strategies and techniques for creating informative and persuasive presentations.

ECN 1010 Microeconomics (3-1-0 hrs) **3**

The learner prepares for managerial decision making by investigating selected microeconomic theories. The principles of supply and demand, marginal utility theory, key production decisions, the establishment of price, and pricing in factor and resource markets are examined.

MGT 1000 Principles of Management (3-0-0 hrs) **3**

Today's managers perform the functions of planning, organizing, leading and controlling, and must do so within the context and constraints of environmental and social pressure and demands. This

course examines the role of the manager and the skills and techniques needed to effectively and efficiently manage the resources of people, money, materials and time to achieve organizational objectives. Throughout this course, students will be required to demonstrate understanding of the key principles and functions of management, and to apply these skills in contemporary business situations.

TERM 2

Course Credits
(Total Credits:15)

ACT 1012 Accounting Principles II (3-1-0 hrs) 3

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.

Pre-requisite : ACT - 1011 :and

Pre-requisite : BUS - 1050 :

CMP 1100 Computer Applications I (3-0-0 hrs) 3

Students will work with a variety of software, including selected Microsoft Office programs, to create and edit business documents. The exploration of various Apps and Web Design applications will provide students with a foundation for application of these technology tools for other courses and the workplace.

ECN 1020 Macroeconomics (3-1-0 hrs) 3

An introductory course exploring the components and function of a national economy with respect to economic growth, the role of government, fiscal and monetary policy, international trade considerations, and operation of a national banking system.

MKG 1021 Marketing Principles (3-0-0 hrs) 3

This course develops 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.

MGT 1200 Organizational Behaviour (3-0-0 hrs) 3

Students learn to improve organizational effectiveness through the modification of Organizational Behaviour in a fast-paced, globally competitive and technologically complex environment. Contemporary management trends and practices are examined.

or

COM 1030 Workplace Professionalism (3-0-0 hrs) 3

This course introduces students to strategies and techniques for managing self, interacting with others, advancing careers and making ethical decisions. Students develop action plans for professional success, create career documents to demonstrate strengths, skills and abilities and utilize an industry-specific case study to examine ethical issues.

Graduation Requirements

- Completion of 30 credits
- Completion of all required courses and credits as per Program of Study
- Cumulative program G.P.A. of 2.00 or better
- Satisfactory completion of occupational experience and/or assignment, if required

Changes to this Program

Every effort has been made to ensure that information in this program is accurate at the time of publication. The College

reserves the right to change programs if it becomes necessary so that program content remains relevant. In such cases, Olds College will provide clear and timely notice of the changes.

Effective Date: 07/01/2020 to Present

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Business Management (General Management Major) - Diploma

Description

Olds College Business Management Diploma program prepares graduates for career positions in a wide variety of business areas with an emphasis in rural business. Instruction of the program follows a project based methodology in a group work setting to enhance critical thinking and problem solving skills.

Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. Communicate with stakeholders to achieve personal and organizational objectives.
2. Apply strategic leadership skills to achieve organizational objectives.
3. Analyze business information to make strategic decisions.
4. Apply resource management skills to achieve organizational objectives.
5. Apply critical thinking skills to achieve organizational objectives.
6. Apply professional standards to achieve personal and organizational objectives.
7. Apply ethical standards to achieve personal and organizational objectives.
8. Apply the marketing process to achieve organizational objectives.
9. Utilize business technologies to perform workplace duties.
10. Apply project management principles to achieve organizational objectives.

Requirements:

TERM 1

Course Credits
(Total Credits:15)

FIN 2130 Small Business Finance (3-0-0 hrs) **3**

This course introduces the learner to financial decision-making and analysis as they relate to a rural business. Use of budgets and cash management will be applied. Concepts will be applied to a specific business within an integrated case study.

Pre-requisite : ACT - 1012 :

HRM 1010 Human Resources Management (3-0-0 hrs) **3**

This course provides an overview of the fundamentals of human resource management including a foundation in theory and practice for areas such as human resources planning, recruitment and selection of staff, training and development, and compensation.

MGT 2110 Operations Management (3-0-0 hrs) **3**

Operations management examines the processes that transform inputs into finished outputs of goods and services. This course examines how an organization can best manage its business processes to serve its customers. The operation management function takes a systematic approach to the wealth creation processes of a business and how an organization can efficiently achieve its vision and mission. Operations management functions as an important strategic element in the organization by helping to improve productivity and overall quality. Students will learn critical thinking, decision making and problem solving skills in a wide variety of everyday situations.

MGT 2120 Risk Management (3-0-0 hrs) **3**

This course introduces the learner to risks associated with small business along with risk mitigation strategies. Key legal, financial, and operational elements significant to rural business relationships will be covered. Concepts will be applied to a specific business within an integrated case study.

MKG 2150 Marketing and Sales (3-0-0 hrs) 3

This course develops an understanding of marketing concepts, principles, and practices, as well as selling to an intended audience. Students will examine marketing objectives and strategy, the influence of environment factors on the marketing process, the characteristics of a marketing mix, branding and promotion, and the development of sales skills and professional presentations.

TERM 2

Course Credits
(Total Credits:15)

BUS 2220 Research and Data Management (3-0-0 hrs) 3

This course introduces fundamental research principles and strategies, specifically the planning, collecting and analyzing of data relevant to business decision-making processes. Students will work with a private company in performing research and analysis within their business.

COM 2250 Strategic Communications (3-0-0 hrs) 3

In this course, students will focus on client relations and communications, including analysis of responsible communication through social media. Writing instruction will include more advanced examination of grammar, creating personal reflections, and the preparation of proposals, case analyses, and formal reports. Students will also gain experience in preparing formal presentations, and examining how the use of communications can be an important part of business strategy planning.

Pre-requisite : COM - 1020 :

MGT 2210 Entrepreneurship (3-0-0 hrs) 3

This course will expose students to key success factors of entrepreneurs within a rural business. Opportunity identification, assessment and start-up will be emphasized. Students will work with a private company in the application of these principles within a real-life business environment.

MGT 2240 Innovation and Strategy (3-0-0 hrs) 3

This course will provide an integrative framework to encourage students to synthesize knowledge and experiences from previous business courses and life experiences which they will apply to a real-life project. This course aims to equip students with an understanding of the role and main issues in the management of innovation and business strategy for small business. Students will be introduced to key concepts and tools that lead towards business success. Students will work on a project with a private company to implement innovation and strategy with their business.

Pre-requisite : FIN - 2130 :

Pre-requisite : HRM - 1010 :

Pre-requisite : MGT - 2110 :

Pre-requisite : MGT - 2120 :

Pre-requisite : MKG - 2150 :

MGT 2400 Introduction to Project Management (3-0-0 hrs) 3

This course provides students with a basic understanding of the generally accepted knowledge and practices of project management. The course follows the methodology of managing projects as recommended by the Project Management Institute, (PMI). Students will develop a working level competency in all of the project management knowledge areas, in addition to the tools and techniques that are used for managing projects successfully in a team environment.

Graduation Requirements

- Completion of 60 credits
- Completion of all required courses and credits as per Program of Study
- Cumulative program G.P.A. of 2.00 or better
- Satisfactory completion of occupational experience and/or assignment, if required
- Completion of 30 credits from a Certificate program in a related field

Changes to this Program

Every effort has been made to ensure that information in this program is accurate at the time of publication. The College reserves the right to change programs if it becomes necessary so that program content remains relevant. In such cases, Olds College will provide clear and timely notice of the changes.

Effective Date: 07/01/2017 to Present

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Business Management (Sports Management Major) - Diploma

Description

Olds College Business Management Program prepares graduates for career positions in management to support local, regional, national, and global organizations.

Intake year Fall 2019

Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. Communicate with stakeholders to achieve personal and organizational objectives.
2. Apply strategic leadership skills to achieve organizational objectives.
3. Analyze business information to make strategic decisions.
4. Apply resource management skills to achieve organizational objectives.
5. Apply critical thinking skills to achieve organizational objectives.
6. Apply professional standards to achieve personal and organizational objectives.
7. Apply ethical standards to achieve personal and organizational objectives.
8. Apply the marketing process to achieve organizational objectives.
9. Utilize business technologies to perform workplace duties.
10. Apply project management principles to achieve organizational objectives.

Requirements:

TERM 1

Course Credits
(Total Credits:15)

COM 1020 Workplace Communication (3-0-0 hrs) 3

In this course students develop writing and presentation skills. Students will apply rules of grammar, spelling, punctuation and mechanics in the development of letters, email and short reports as well as other documents relevant to their industry. Students will demonstrate strategies and techniques for creating informative and persuasive presentations.

MGT 1000 Principles of Management (3-0-0 hrs) 3

Today's managers perform the functions of planning, organizing, leading and controlling, and must do so within the context and constraints of environmental and social pressure and demands. This course examines the role of the manager and the skills and techniques needed to effectively and efficiently manage the resources of people, money, materials and time to achieve organizational objectives. Throughout this course, students will be required to demonstrate understanding of the key principles and functions of management, and to apply these skills in contemporary business situations.

SPM 1040 Activities and Sport (3-0-0) 3

Students will learn and practice the rules, skills, abilities and equipment involved in playing a variety of sports. Students will learn to deliver instruction in a sport or game related to various sports.

SPM 1220 Fitness for Life (3-0-0 hrs) 3

Students will gain an understanding in health promotion and wellness models and the principles of exercise and nutrition, as they relate to health, social, cultural and environmental issues. Emphasis

is placed on personal health, nutrition, stress reduction, and the importance of wellness and benefits in daily life. Students will analyze the principles of fitness training methods for cardiovascular fitness, muscular strength and endurance.

HAT 2355 Leisure, Sporting Events and Recreation Operations (3-0-0 hrs) 3

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.

TERM 2

Course Credits
(Total Credits:15)

CMP 1100 Computer Applications I (3-0-0 hrs) 3

Students will work with a variety of software, including selected Microsoft Office programs, to create and edit business documents. The exploration of various Apps and Web Design applications will provide students with a foundation for application of these technology tools for other courses and the workplace.

MGT 1200 Organizational Behaviour (3-0-0 hrs) 3

Students learn to improve organizational effectiveness through the modification of Organizational Behaviour in a fast-paced, globally competitive and technologically complex environment. Contemporary management trends and practices are examined.

SPM 1020 Training for Performance (3-0-0 hrs) 3

Students will learn about various aspects of training for performance. They will analyze the basic science behind activity, energy systems, and macro-cycles in sport training. Consideration will also be given to diverse populations, training facilities, equipment, schedules, budgets, as well as individual and team training preferences.

SPM 1240 Sports and Recreation Leadership (3-0-0 hrs) 3

Students will analyze various leadership theories, and will apply these theories to sports and recreation management. Students will participate in a variety of self-assessment activities as they apply leadership styles, roles and behaviors in the context of sports and recreation organizations. Students will also investigate the implications of managing and leading in the industry.

SPM 1260 Introduction to Sports Management (3-0-0 hrs) 3

Students will analyze various management models and organizational structures within the sport and recreation industry. Content areas include professional, amateur, Olympic, and intercollegiate sports.

TERM 3

Course Credits
(Total Credits:15)

ACT 1011 Accounting Principles I (3-1-0 hrs) 3

This course provides 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.

BUS 1050 Business Mathematics (3-0-1 hrs) 3

Students develop mathematics skills applicable to practical problems in business, industry and future employment. Topics include presentation of financial information, consumer and commercial credit, simple and compound interest, financial instruments and discounting, annuities, mortgages, loans, sinking funds, depreciation methods, capitalized costs, cash flow analysis, lease versus buy decision, net present value and internal rate of return. This course prepares students for later courses in accounting, marketing, business and finance.

ECN 1010 Microeconomics (3-1-0 hrs) 3

The learner prepares for managerial decision making by investigating selected microeconomic theories. The principles of supply and demand, marginal utility theory, key production decisions, the establishment of price, and pricing in factor and resource markets are examined.

SPM 2020 Sport and Recreation Management (3-0-0 hrs) 3

Students will examine current issues within the sport and recreation management industry considering the viewpoints of stakeholders in various situations. Students will apply critical thinking to solve selected problems in the industry.

SPM 2220 Sports Events Management (3-0-0 hrs) 3

This course provides an introductory overview of the theory and procedures essential to create and operate an event. Students will have the opportunity to apply these principles to a variety of event environments.

TERM 4

Course Credits
(Total Credits:15)

ACT 1012 Accounting Principles II (3-1-0 hrs) 3

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.

Pre-requisite : ACT - 1011 :and

Pre-requisite : BUS - 1050 :

ECN 1020 Macroeconomics (3-1-0 hrs) 3

An introductory course exploring the components and function of a national economy with respect to economic growth, the role of government, fiscal and monetary policy, international trade considerations, and operation of a national banking system.

MKG 1021 Marketing Principles (3-0-0 hrs) 3

This course develops 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.

SPM 1300 Coaching Theory and Applications (3-0-0) 3

In this course the student will apply basic coaching principles into the design of effective practices and a seasonal sport program for a specified sport organization. Students will attend to the mental and physical development needs of selected athletes. Students will manage sport situations with the intent of preventing injury and treating minor injury, as well as establish procedures for dealing with serious injury including concussion. National Coaching Certification Program credentials can be earned. There are additional costs related to the NCCP certification process.

SPM 2230 Sports Promotion and Professional Networking (3-0-0 hrs) 3

Students will gain an appreciation of the value of professional networking specific to the sport and recreation industry. Students will develop and apply networking skills, interview skills and job specific resources.

Graduation Requirements

Completion of 60 credits

- Completion of all required courses and credits as per Program of Study
- Cumulative program G.P.A. of 2.00 or better
- Satisfactory completion of occupational experience and/or assignment, if required

Changes to this Program

Every effort has been made to ensure that information in this program is accurate at the time of publication. The College reserves the right to change programs if it becomes necessary so that program content remains relevant. In such cases, Olds College will provide clear and timely notice of the changes.

Effective Date: 07/01/2020 to Present

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Equine Reproduction Technician Certificate

Description

The Equine Reproduction Technician program prepares its graduates for employment in the field of equine reproduction. Graduates learn through a combination of on-line learning along with the management of an on-campus breeding and foaling enterprise.

Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. Manage the daily operation of a breeding facility.
2. Manage mares and stallions during the breeding season.
3. Perform the techniques required for modern breeding methods.
4. Evaluate the reproductive performance of breeding animals.
5. Maintain currency with research and technology in equine reproduction.
6. Manage pregnant mares before, during and after parturition.
7. Manage neonatal foals.

Requirements:

Term 1 (Online)

Course Credits
(Total Credits:6)

EQN 2413 Reproductive Fundamentals (3-0-0 hrs) 3

In this course, students will learn the anatomy and physiology of the reproductive tract of the mare and stallion, reproductive behavior in the mare and stallion, methods of detecting estrus and factors affecting fertility. The anatomy and physiology of early pregnancy and common methods of pregnancy detection will also be studied.

EQN 2414 Maximizing Fertility in the Mare and Stallion (3-0-0 hrs) 3

Students taking this course will gain an understanding of how to manage mares and stallions to maximize their fertility. This will include such things as selection of breeding animals, nutritional requirements and body condition scoring, health care programs, breeding facilities and the various methods of breeding horses.

Term 2 (Online)

Course Credits
(Total Credits:6)

EQN 2401 Breeding Management (3-0-0 hrs) 3

Students taking this course will gain an understanding of common reproductive management practices associated with breeding horses including the timing of breeding, manipulation of the estrus cycle and detection and treatment of infertility in mares and stallions. Students will also examine new technologies being developed in the field of equine reproduction.

Pre-requisite : EQN - 2413 :or

Pre-requisite : EQN - 1040 :and

Pre-requisite : EQN - 2414 :

EQN 2402 Foaling & Foal Management (3-0-0 hrs) 3

Students will have the opportunity to learn about the normal events of foaling as well as the pre and post foaling period and care of the neonatal foal. They will also learn about problems that can affect foaling as well as the pre and post foaling period and the neonatal foal. Normal development of the foal will be studied up to the point of weaning.

Pre-requisite : EQN - 1040 :or

Pre-requisite : EQN - 2413 :

Term 3 (On Site)

Course Credits
(Total Credits:18)

EQN 2411 Application of Breeding Management Techniques (0-12-0 hrs) 12

Students manage the breeding component of the Olds College Equine Reproduction Center as a self-directed team. They will be involved in all daily operations of the center including feeding, teasing, breeding, record keeping, horse housing logistics, business procedures and client relations.

Pre-requisite : EQN - 2401 :

EQN 2412 Applied Techniques for Foaling and Foal Management (0-6-0 hrs) 6

Students manage the foaling component of the Olds College Equine Reproduction Center as a self-directed team. They will manage the pregnant mares before, during and after foaling, and will perform routine care and handling procedures with the neonatal foals.

Pre-requisite : EQN - 2402 :

Graduation Requirements

- Completion of 30 credits
- Completion of all required courses and credits as per Program of Study
- Cumulative program G.P.A. of 2.00 or better
- Satisfactory completion of occupational experience and/or assignment, if required

Changes to this Program

Every effort has been made to ensure that information in this program is accurate at the time of publication. The College reserves the right to change programs if it becomes necessary so that program content remains relevant. In such cases, Olds College will provide clear and timely notice of the changes.

Effective Date: 07/01/2018 to Present

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Equine Science Diploma

Description

The Equine Science Diploma program prepares its graduates for exciting careers in the equine industry along with enhancing their passion of the horse. The program allows a degree of specialization through a selection of elective courses. The program engages students through the horse, relevant curriculum, and innovative program delivery.

Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. Communicate in a professional manner with multiple stakeholders within the equine industry.
2. Perform the on-going care of the horse.
3. Apply the knowledge of the structure and function of the horse's body to its care and use.
4. Apply the use of tack, tools, and equipment commonly associated with an equine enterprise.
5. Use equine conformation skills to select horses.
6. Maximize performance in horses based on identification and treatment of lameness conditions.
7. Implement health care programs for the prevention of diseases in horse.
8. Use treatment techniques and practices for disease, injury and lameness.
9. Develop feeding programs for horses.
10. Perform basic to advanced riding skills in either the English or the Western discipline.
11. Employ effective business and management procedures used to manage an equine enterprise and offer an equine event.
12. Apply basic equine breeding techniques.
13. Apply foaling and foal management procedures.
14. Start and train young horses.
15. Apply advanced horsemanship skills within competitive disciplines.
16. Coach beginner riders.
17. Apply skills associated with therapeutic riding.
18. Obtain therapies associated with injury presentation and rehabilitation.

Requirements:

Term 1

Course Credits
(Total Credits:15)

EQN 1000 Equine Anatomy and Physiology (3-0-0 hrs) **3**

This course will focus on the anatomical makeup of the horse's body by system including the integumentary, musculoskeletal, nervous, cardiovascular, respiratory, digestive and urinary systems with physiological applications related to its function and management.

EQN 1020 Farm Equipment Operation (1.7-3.3-0 hrs) **3**

Students will learn the basic maintenance and operation of common farm machinery and equipment such as a tractor (with and without a trailer), a skid steer, a utility vehicle and a truck (with and without a trailer).

EQN 1040 Breeding Fundamentals (1-4-0 hrs) **3**

Students in this course will learn the basic anatomy and physiology of the reproduction system of the mare and stallion, the events surrounding conception and early pregnancy and the various methods used for breeding horses. Students will participate in hand breeding labs where they will experience teasing and estrus detection, stallion handling and preparation of mares and stallions for breeding.

EQN 1060 Horsemanship I (0-5-0 hrs) 3

Students will learn safe horse handling skills along with proper use of different types of tack and equipment. The student will perform basic horsemanship skills on well trained horses in either the English or Western discipline.

COM 1020 Workplace Communication (3-0-0 hrs) 3

In this course students develop writing and presentation skills. Students will apply rules of grammar, spelling, punctuation and mechanics in the development of letters, email and short reports as well as other documents relevant to their industry. Students will demonstrate strategies and techniques for creating informative and persuasive presentations.

or

EQN 1050 Barn Management and Horse Care (3-2-0 hrs) 3

In this course, students will demonstrate skills in stable cleanliness and organization, haltering and handling horses, and in fitting and using blankets appropriately. Students will also be responsible for identifying normal horse behavior and well-being.

Term 2

Course Credits
(Total Credits:15)

EQN 1070 Horse Husbandry Techniques (3-2-0 hrs) 3

In this course, students will perform several tasks necessary to manage, groom and care for the horse. This will include identification, vital sign assessment, basic hoof care, administering medications, bandaging, BCS and welfare, the use of restraint devices, basic grooming, and preparing a horse for show.

EQN 1080 Horsemanship II (0-5-0 hrs) 3

Students will be able to perform intermediate riding skills and demonstrate intermediate maneuvers in either the Western or English discipline on well trained horses.

Pre-requisite : EQN - 1060 :

EQN 1230 Managing Equine Health (3-0-0 hrs) 3

In this course, students will understand the infectious disease process and become familiar with the more common infectious diseases of the horse and how they are controlled. They will also study common parasites of the horse and how they are controlled, and gain an introduction to equine first aid protocols and wound management procedures.

EQN 2520 Equine Nutrition (3-0-0 hrs) 3

This course introduces students to the theory and practice of feeding horses to ensure their wellbeing and maximum performance and of managing pastures effectively. Students will recognize and evaluate various feedstuffs and common pasture plants and will formulate rations for different classes of horses.

COM 1020 Workplace Communication (3-0-0 hrs) 3

In this course students develop writing and presentation skills. Students will apply rules of grammar, spelling, punctuation and mechanics in the development of letters, email and short reports as well as other documents relevant to their industry. Students will demonstrate strategies and techniques for creating informative and persuasive presentations.

or

EQN 1050 Barn Management and Horse Care (3-2-0 hrs) 3

In this course, students will demonstrate skills in stable cleanliness and organization, haltering and handling horses, and in fitting and using blankets appropriately. Students will also be responsible for identifying normal horse behavior and well-being.

Term 3

Course Credits
(Total Credits:9)

EQN 2050 Enterprise Management I (3-2-0 hrs) 3

In this course, students will learn the management functions of leading and controlling and will apply these principles in the financial management and care of equine operations. In addition, they will apply these principles in the offering of an equine event.

EQN 2530 Equine Health Care and Lameness (3-0-0 hrs) 3

Students gain an understanding of the different types of medications and how to use them safely and effectively. They will also learn about common metabolic and developmental diseases as well as to recognize the symptoms of lameness conditions in the horse.

EQN 2540 Conformation and Selection (3-0-0 hrs) 3

Students will develop criteria to assist them in selecting horses for breeding or performance. They will learn to analyze the conformational characteristics of a horse, to recognize serious conformational faults and to relate the conformation of a horse to its ability to perform a specific function.

Pre-requisite : EQN - 1000 :

ELECTIVE: Course from the Semester 3 Approved Electives list below.

ELECTIVE: Course from the Semester 3 Approved Electives list below.

Term 3 Approved Electives:

A competitive entry process may apply to Equine Science elective selection. The program reserves the right to cancel electives with insufficient demand.

(Total Credits:9)

EQN 2090 Coaching Theory (3-3-0 hrs) 3

Students acquire the necessary credentials required for the Equine Canada Instructor and Coaching certification program. This includes English and/or Western rider levels, first aid, and equine specific NCCP theory. Students study lesson plan development and learn the techniques of developing a lesson plan for a long term program and for each individual lesson.

Pre-requisite : EQN - 1080 :

EQN 2100 Principles of Rehabilitation and Complementary Therapies (3-0-0 hrs) 3

In this course, students will be introduced to a broad understanding of rehabilitation and complementary therapies that are available to the horse industry. Students will use knowledge from this course to evaluate therapies and modalities. It is important to have foundational knowledge of equine anatomy.

EQN 2110 Therapeutic Riding (3-0-0 hrs) 3

This course is designed to provide some of the basic skills and knowledge that will help students who wish to become involved with a therapeutic riding program. It will also serve as a basis for students who wish to become certified as an entry level therapeutic riding instructor.

EQN 2300 Conditioning for Performance (3-0-0 hrs) 3

Students study the effect of exercise on the various body systems as well as the practical aspects of a conditioning program for the horse. They will gain an understanding of the principles used to condition horses for performance and will use this knowledge to design an effective conditioning program for a horse in an event of their choice.

EQN 2310 Driving the Draft Horse (0-6-0 hrs) 3

In this course, students will learn to identify parts of a harness and how to correctly and safely harness a draft horse. They will also learn to hitch and drive draft horses in various configurations.

EQN 2350 The Big Show (3-0-0 hrs) 3

This course will familiarize students with the events that are required to offer general performance shows. Students will experience all aspects of running a show from preparation to judging to course design. Learning culminates with a student hosted horse show.

EQN 2402 Foaling & Foal Management (3-0-0 hrs) 3

Students will have the opportunity to learn about the normal events of foaling as well as the pre and post foaling period and care of the neonatal foal. They will also learn about problems that can affect foaling as well as the pre and post foaling period and the neonatal foal. Normal development of the foal will be studied up to the point of weaning.

Pre-requisite : EQN - 1040 :or

Pre-requisite : EQN - 2413 :

Students may also take up to 6 credits from the Business Management Certificate.

Term 4

Course Credits
(Total Credits:3)

EQN 2120 Enterprise Management II (3-2-0 hrs) 3

In this course, students will be introduced to selected functions applicable to the day-to-day operation of an equine enterprise. Students will apply these skills in the care and management of horses and equine facilities.

ELECTIVE: Course from the Semester 4 Approved Electives list below.

ELECTIVE: Course from the Semester 4 Approved Electives list below.

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ELECTIVE: Course from the Semester 4 Approved Electives list below.

Term 4 Approved Electives:

A competitive entry process may apply to Equine Science elective selection. The program reserves the right to cancel electives with insufficient demand.

(Total Credits:9)

EQN 2140 Applied Coaching Techniques (0-6-0 hrs) 3

Students practice their instructional skills by offering evening riding lessons to Olds College students and staff. Students also have the opportunity through on site clinics and field study to become certified as various competition officials.

Pre-requisite : EQN - 2090 :

EQN 2330 Training the Young English Horse I (0-6-0 hrs) 3

Students with Instructor assistance will design an introductory training program for a green horse contracted from industry. Students will train the assigned horse in the fundamentals of hunter/jumper, eventing and dressage. Students with instructor assistance will analyze and evaluate

the horse throughout the program. As well, students will establish and maintain an effective client/trainer relationship with the owner of that horse.

Pre-requisite : EQN - 1080 :

EQN 2310 Driving the Draft Horse (0-6-0 hrs) 3

In this course, students will learn to identify parts of a harness and how to correctly and safely harness a draft horse. They will also learn to hitch and drive draft horses in various configurations.

EQN 2331 Training the Young English Horse II (0-6-0 hrs) 3

Students independently design an advanced training program for a young, green horse contracted from the industry. Students train that horse in the fundamentals of hunter, jumping and dressage and analyze and evaluate the horse throughout the program. As well, students establish and maintain an effective client/trainer relationship with the owner of that horse.

Pre-requisite : EQN - 2330 :

EQN 2340 Training the Young Western Horse I (0-6-0 hrs) 3

Students with instructor assistance will design an introductory training program for a green horse contracted from the industry. Students train that horse in the fundamentals of western horsemanship and analyze and evaluate the horse throughout the program. As well, students establish and maintain an effective client/trainer relationship with the owner of that horse.

Pre-requisite : EQN - 1080 :

EQN 2341 Training the Young Western Horse II (0-6-0 hrs) 3

Students independently design an intermediate training program for a young, green horse contracted from the industry. Students train that horse in the fundamentals of western horsemanship and analyze and evaluate the horse throughout the program. As well, students establish and maintain an effective client/trainer relationship with the owner of that horse.

Pre-requisite : EQN - 2340 :

EQN 2350 The Big Show (3-0-0 hrs) 3

This course will familiarize students with the events that are required to offer general performance shows. Students will experience all aspects of running a show from preparation to judging to course design. Learning culminates with a student hosted horse show.

EQN 2360 Starting the Young Horse (0-6-0 hrs) 3

In this course students will develop the skills to safely handle and school untrained horses. Students will implement ground training techniques and basic training techniques under saddle. Students will also be able to respond effectively to individual horse psychology.

Pre-requisite : EQN - 1080 :

Students may also take up to 6 credits from the Business Management Certificate.

Graduation Requirements

- Completion of 60 credits
- Completion of all required courses and credits as per Program of Study
- Cumulative G.P.A. of 2.00 or better
- Satisfactory completion of occupational experience and/or assignment, if required

Changes to this Program

Every effort has been made to ensure that information in this program is accurate at the time of publication. The College reserves the right to change programs if it becomes necessary so that program content remains relevant. In such cases, Olds College will provide clear and timely notice of the changes.

Effective Date: 07/01/2020 to Present

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Farrier Science Certificate

Description

The Olds College Farrier Science Certificate program prepares its graduates to be employed in the farrier industry by providing applied and practical educational training in farriery, blacksmithing, anatomy and physiology, horsemanship, welding, recordkeeping and human relations.

Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. Demonstrate the ability to make safe choices in the management and restraint of the horse.
2. Study the anatomy of the horse.
3. Identify and assess the trimming requirements of the equine foot.
4. Identify lameness in horses.
5. Identify faults of gait in horses.
6. Perform forge modifications to machine made shoes.
7. Produce forging tools for the production of basic horseshoes.
8. Forge basic horseshoes.
9. Forge therapeutic and corrective horseshoes for the equine foot.
10. Demonstrate brazing and forge welding processes in gas and coal forges.
11. Perform basic welding using current industry practices.
12. Perform appropriate trimming and shoeing technique for the equine foot.
13. Interact professionally with clients and colleagues within the farrier industry.
14. Provide farrier customer service and client education.
15. Perform basic computer skills utilizing Excel software to create basic records and financial reports.

Requirements:

Term 1

Course Credits
(Total Credits:15)

FAR 1200 Equine Anatomy (3-0-0 hrs) **3**

Students learn terminology, anatomy and physiology of the horse with special emphasis on the limbs and feet.

FAR 1300 Horse Handling and Horseshoeing I (3-0-0 hrs) **3**

Students will practice safe and effective horse handling skills. They will also trim and show horses with machine-made and hand-made shoes.

FAR 1301 Horse Handling and Horseshoeing II (1-4-0 hrs) **3**

Students will apply horseshoeing skills, fit horseshoes and build horseshoes.

Pre-requisite : FAR - 1300 :

FAR 1400 Introduction to Blacksmithing (2-4-0 hrs) **3**

Students will learn the basic skills of blacksmithing by preparing and maintaining both the coal and gas forge. The student will be able to produce and maintain basic forging tools and hand-made horseshoes.

COM 1020 Workplace Communication (3-0-0 hrs) **3**

In this course students develop writing and presentation skills. Students will apply rules of grammar, spelling, punctuation and mechanics in the development of letters, email and short reports as well

as other documents relevant to their industry. Students will demonstrate strategies and techniques for creating informative and persuasive presentations.

Term 2

Course Credits
(Total Credits:15)

ACT 1000 Recordkeeping (1.5-0-1.5 hrs) 3

Recordkeeping is a course that provides learners with the opportunity to develop competencies in input, manipulation and output of data necessary to demonstrate the successful operation of a business enterprise. This course is designed to provide an application of spreadsheet software skills to the operations tracking of data needed to develop financial statements. It is strongly recommended students have a working knowledge of spreadsheet software.

FAR 1700 Farrier Welding (1-2-0 hrs) 3

Students will gain an understanding of the safety, theory and techniques of oxy-acetylene welding and cutting, shielded metal arc welding and gas metal arc welding and machining. They will study electrode selection, welding metallurgy, repair and fabrication procedures and metal joint preparation.

FAR 2400 Advanced Keg Shoe Modifications I (1-2-0 hrs) 3

Students will demonstrate the application and modification of keg shoes to alter and correct gait faults and lameness.

Pre-requisite : FAR - 1300 :

Pre-requisite : FAR - 1301 :

Pre-requisite : FAR - 1400 :

FAR 2401 Advanced Keg Shoe Modifications II (1-2-0 hrs) 3

Students will demonstrate the application and modification of keg shoes to alter and correct gait faults and lameness.

Pre-requisite : FAR - 1300 :

Pre-requisite : FAR - 1301 :

Pre-requisite : FAR - 1400 :

Pre-requisite : FAR - 2400 :

FAR 2500 Advanced Corrective and Therapeutic Forging (2-4.3-0 hrs) 3

Students will demonstrate how to make specialized horseshoes to correct therapeutic abnormalities.

Pre-requisite : FAR - 1300 :

Pre-requisite : FAR - 1301 :

Pre-requisite : FAR - 1400 :

Graduation Requirements

- Completion of 30 credits
- Completion of all required courses and credits as per Program of Study
- Cumulative program G.P.A. of 2.00 or better

Changes to this Program

Every effort has been made to ensure that information in this program is accurate at the time of publication. The College reserves the right to change programs if it becomes necessary so that program content remains relevant. In such cases, Olds College will provide clear and timely notice of the changes.

Effective Date: 05/01/2017 to Present

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Heavy Equipment Operator Certificate

Description

The Olds College Heavy Equipment Operator Certificate program prepares the graduates for entry into heavy equipment.

Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. Employ current Occupational Health and Safety and relevant industry standards and procedures in the workplace.
2. Apply the skills required in industry standard safety certificates and programs.
3. Communicate interactively in a professional manner with industry associates.
4. Demonstrate employability skills and professional conduct.
5. Demonstrate workplace skills in an industry-related environment.
6. Demonstrate required fieldwork and jobsite fundamentals.
7. Demonstrate the correct procedures for preventative maintenance of selected pieces of equipment.
8. Demonstrate general principles of operation of selected pieces of equipment.
9. Develop skills that support successful employment in the heavy equipment operation industry.

Requirements:

Course List

Course Credits
(Total Credits:15)

HEO 6001 Workplace Safety and Safety Tickets **3**

Students will develop safety skills by completing industry standard safety certificate courses and apply health, safety and environmental procedures and practices based on applicable legislated rules and regulations. Emphasis will be placed on responsibilities and obligations of employers and employees regarding health, safety, and environment.

HEO 6002 Introduction to Earthmoving (3-3-0) **3**

Students will receive a comprehensive overview of earthmoving equipment and its uses. This course outlines career opportunities, operator responsibilities, and workplace fundamentals associated with heavy equipment operation. Students are exposed to various heavy equipment industries through hands-on practical experience – both on-site, as well as field trips/guest speakers.

HEO 6003 Equipment Operation and Preventative Mechanical Maintenance **3**

Students are introduced to fundamentals of heavy equipment operation and preventative maintenance procedures and practices including inspections, start-up and shut-down procedures, and monitoring. This course will outline the operator's and company's responsibilities for industry accepted practices.

HEO 6004 Fieldwork and Jobsite Fundamentals **3**

Students are provided instruction for the safe operation and conduct on and around a jobsite. Students are introduced to the fundamentals of soil structure, grades and staking, and excavation math. Industry terms and symbols utilized on site plans associated with heavy equipment operation are also identified in this course.

HEO 6005 Earthmoving Operational Techniques **3**

Students will demonstrate the industry accepted practices and procedures of safe operation, preventative maintenance, basic movements and general principles of operation of selected earthmoving equipment and its attachments.

HEO 6006 Heavy Equipment Operator Practicum (0-0-0) 0

Students will further develop their skills in an industry-related worksite position where they apply competencies acquired during their education and training. Students expand their knowledge and experience in this 80 hour practicum.

Graduation Requirements

- Completion of 15 credits
- Completion of all required of courses and credits as per Program of Study
- Cumulative program G.P.A. of 2.00 or better
- Provide documention/proof of completion of practicum
- Satisfactory completion of occupational experiences and/or assignment, if required

Changes to this Program

Every effort has been made to ensure that information in this program is accurate at the time of publication. The College reserves the right to change programs if it becomes necessary so that program content remains relevant. In such cases, Olds College will provide clear and timely notice of the changes.

Effective Date: 01/01/2018 to Present

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Horticulture Technician Certificate

Description

The Olds College Horticulture Technician Certificate Program prepares its graduates to apply their knowledge and skills in protected and field culture of horticulture crops and landscape design, construction and maintenance. This certificate comprises the first 30 credits of the Horticulture Technologist Diploma Program.

Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. Apply a working knowledge of current horticulture industry safety standards and practices.
2. Demonstrate an awareness of horticulture industry sectors.
3. Communicate to influence business and regulatory decisions within the horticulture sector.
4. Manage production of horticulture crops in response to selected market demands.
5. Perform selected calculations for efficient and profitable horticulture practices.
6. Identify plant species and recognize specific plant requirements.
7. Integrate appropriate cultural practices.
8. Evaluate selected growing media.
9. Appraise water management needs and applications.
10. Integrate appropriate technologies into current horticulture practices.
11. Apply the principles of integrated pest management.
12. Recognize the ecological, economic, and social implications of horticulture decisions and processes.
13. Manage various tasks, opportunities, and problems using a comprehensive problem solving strategy.
14. Demonstrate ethical and appropriate behaviour that contributes to the achievement of personal goals and business objectives.

Requirements:

TERM 1

Course Credits
(Total Credits:12)

HRT 1000 Discovering Plants (1-2-0 hrs) **3**

The student explores the plant world through the lenses of systems and classification, gaining an understanding of overall plant growth and response to the surrounding environment.

HRT 1900 Horticulture Field Studies I (0-3-0 hrs) **3**

Students engage in faculty-supported exploration of selected aspects of the horticulture industry during a one-month term of on campus immersion.

HRT 1100 Managing Soils (1-2-0 hrs) **3**

Learners analyze, problem solve, and manage soils and soilless media for production and landscape applications.

COM 1020 Workplace Communication (3-0-0 hrs) **3**

In this course students develop writing and presentation skills. Students will apply rules of grammar, spelling, punctuation and mechanics in the development of letters, email and short reports as well as other documents relevant to their industry. Students will demonstrate strategies and techniques for creating informative and persuasive presentations.

TERM 2

Course Credits
(Total Credits:15)

HRT 1400 Managing Pests I (1-2-0 hrs) 3

Students investigate weeds, insects, and diseases of plants and propose management solutions within ecological systems.

HRT 1500 Managing Landscapes (0-3-0 hrs) 3

The learner gains experience in managing landscape sites through acquisition and implementation of design principles, cultural practices of plant material, and advancing the sustainability of landscape environments to industry standards.

HRT 1700 Producing Horticulture Crops (1-2-0 hrs) 3

Learners research and assess food and ornamental field crop production markets, locations, materials, and processes to achieve a sustainable enterprise.

HRT 1800 Plants in the Landscape (1-2-0 hrs) 3

The student will practice skills that will enable them to identify and explain the ecological, cultural, morphological and architectural characteristics of a wider range of plant material used in the landscape. Plant response to specific environments will be taken in account.

Pre-requisite : HRT - 1000 :

HRT 2400 Propagating Plants (0-3-0 hrs) 3

Learners propagate plant material using a variety of methods and technologies including tissue culture.

TERM 3 - CERTIFICATE PRACTICUM

Course Credits
(Total Credits:3)

HRT 1950 Horticulture Field Studies II (0-3-0 hrs) 3

Students engage in faculty-supported exploration of selected aspects of the horticulture industry during a two-month term of industry employment.

Graduation Requirements

- Completion of 30 credits
- Completion of all required courses and credits as per Program of Study
- Cumulative G.P.A. of 2.00 or better
- Satisfactory completion of occupational experience and/or assignment, if required

Changes to this Program

Every effort has been made to ensure that information in this program is accurate at the time of publication. The College reserves the right to change programs if it becomes necessary so that program content remains relevant. In such cases, Olds College will provide clear and timely notice of the changes.

Effective Date: 05/01/2018 to Present

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Horticulture Technologist Diploma

Description

The Olds College Horticulture Technologist Diploma Program prepares its graduates to apply their knowledge and skills in protected and field culture of horticulture crops and landscape design, construction and maintenance.

Intake Year Fall 2020.

Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. Apply a working knowledge of current horticulture industry safety standards and practices.
2. Demonstrate an awareness of horticulture industry sectors.
3. Communicate to influence business and regulatory decisions within the horticulture sector.
4. Manage production of horticulture crops in response to selected market demands.
5. Perform selected calculations for efficient and profitable horticulture practices.
6. Identify plant species and recognize specific plant requirements.
7. Integrate appropriate cultural practices.
8. Evaluate selected growing media.
9. Appraise water management needs and applications.
10. Integrate appropriate technologies into current horticulture practices.
11. Apply the principles of integrated pest management.
12. Recognize the ecological, economic, and social implications of horticulture decisions and processes.
13. Manage various tasks, opportunities, and problems using a comprehensive problem solving strategy.
14. Demonstrate ethical and appropriate behaviour that contributes to the achievement of personal goals and business objectives.

Requirements:

TERM 1

Course Credits
(Total Credits:12)

HRT 1000 Discovering Plants (1-2-0 hrs) **3**

The student explores the plant world through the lenses of systems and classification, gaining an understanding of overall plant growth and response to the surrounding environment.

HRT 1900 Horticulture Field Studies I (0-3-0 hrs) **3**

Students engage in faculty-supported exploration of selected aspects of the horticulture industry during a one-month term of on campus immersion.

HRT 1100 Managing Soils (1-2-0 hrs) **3**

Learners analyze, problem solve, and manage soils and soilless media for production and landscape applications.

COM 1020 Workplace Communication (3-0-0 hrs) **3**

In this course students develop writing and presentation skills. Students will apply rules of grammar, spelling, punctuation and mechanics in the development of letters, email and short reports as well as other documents relevant to their industry. Students will demonstrate strategies and techniques for creating informative and persuasive presentations.

TERM 2

Course Credits
(Total Credits:15)

HRT 1400 Managing Pests I (1-2-0 hrs) 3

Students investigate weeds, insects, and diseases of plants and propose management solutions within ecological systems.

HRT 1500 Managing Landscapes (0-3-0 hrs) 3

The learner gains experience in managing landscape sites through acquisition and implementation of design principles, cultural practices of plant material, and advancing the sustainability of landscape environments to industry standards.

HRT 1700 Producing Horticulture Crops (1-2-0 hrs) 3

Learners research and assess food and ornamental field crop production markets, locations, materials, and processes to achieve a sustainable enterprise.

HRT 1800 Plants in the Landscape (1-2-0 hrs) 3

The student will practice skills that will enable them to identify and explain the ecological, cultural, morphological and architectural characteristics of a wider range of plant material used in the landscape. Plant response to specific environments will be taken in account.

Pre-requisite : HRT - 1000 :

HRT 2400 Propagating Plants (0-3-0 hrs) 3

Learners propagate plant material using a variety of methods and technologies including tissue culture.

TERM 3

Course Credits
(Total Credits:3)

HRT 1950 Horticulture Field Studies II (0-3-0 hrs) 3

Students engage in faculty-supported exploration of selected aspects of the horticulture industry during a two-month term of industry employment.

TERM 4

Course Credits
(Total Credits:3)

HRT 2900 Horticulture Field Studies III (0-3-0 hrs) 3

Students engage in faculty-supported exploration of selected aspects of the horticulture industry during a two-month term of industry employment.

Pre-requisite : HRT - 1950 :

TERM 5

Course Credits
(Total Credits:6)

ARB 1200 Pruning Trees for Structure and Health (0-3-0 hrs) 3

Learners discover the principles and practices of pruning trees by utilizing tools and techniques required to influence plant architecture.

HRT 2950 Horticulture Field Studies IV (0-3-0 hrs) 3

Students engage in faculty supported exploration of selected aspects of the horticulture industry during a two-month term of industry employment.

Pre-requisite : HRT - 2900 :

ELECTIVE: Course from the Term 5 Approved Electives list below.

Term 5 Approved Electives

A competitive entry process may apply to the Horticulture elective selection.

(Total Credits:3)

HRT 2250 Digital Graphics for Landscape Design (0-3-0 hrs) 3

An introductory course in computer-assisted design (CAD) graphic skills, used in the landscape industry. The learner will develop basic graphics landscape presentation and construction drawings. Learners will operate software to prepare two-dimensional (Dynascape) and three-dimensional (SketchUp Pro) drawings.

HRT 2100 An Entrepreneurial Approach to Processing (0-3-0 hrs) 3

Students create sustainable value-added products and opportunities within horticulture.

HRT 2450 Horticulture Field Production (0-3-0 hrs) 3

Learners will study field production systems in horticulture and examine the production, harvest and post-harvest handling of herb, fruit, nursery and vegetable crops. Students will have the opportunity to focus learning on crops of their choice.

Pre-requisite : HRT - 1700 :

TERM 6

Course Credits

(Total Credits:12)

HRT 2000 Starting a Horticulture Business (3-0-0 hrs) 3

This course will provide learners with an overview of the legal and financial requirements needed to start a small business.

HRT 2300 Developing a Specialty Landscape (0-3-0 hrs) 3

Students assess current trends in non-traditional landscapes through the assessment of construction and plant material needs.

HRT 2600 Managing Pests II (1-2-0 hrs) 3

Students will examine and assess management practices, including biological, cultural, chemical, and physical methods, for pests of horticulture.

WTR 1200 Managing Water Systems (0-3-0 hrs) 3

Students explore the water management issues of horticulture operations focusing on the design and installation of appropriate irrigation systems to reflect industry standards and specific site needs.

ELECTIVE: Course from the Term 6 Approved Electives list below.

ELECTIVE: Course from the Term 6 Approved Electives list below.

Term 6 Approved Electives

A competitive entry process may apply to the Horticulture elective selection.

(Total Credits:6)

HRT 1600 Producing Greenhouse Crops (0-3-0 hrs) 3

Students explore greenhouse systems, grow plants and manage production cycles to produce marketable crops.

HRT 2150 Exploring Non-Conventional Food Production (0-3-0 hrs) 3

This course introduces the learner to non-conventional food production systems. The learner will compare and evaluate the benefits and challenges of these systems in the context of local and global food security.

Pre-requisite : HRT - 1700 :

HRT 2800 Managing Landscape Construction (0-3-0 hrs) 3

Students apply procedures and techniques in project planning, estimating and construction of horticulture projects.

HRT 2850 Designing Landscapes (0-3-0 hrs) 3

This course is an introduction to the fundamental principles applied to landscape designs. The learner will apply the landscape design process for residential and commercial designs by developing basic graphic skills utilized in the production of landscape presentation and construction drawings. Emphasis will be placed on implementing sustainable site initiatives. Computer-aided design software shall be used in the course.

Pre-requisite : HRT - 2250 :

HRT 2050 Designing with Fresh Flowers (0-3-0 hrs) 3

This course will introduce the learner to the mechanics, principles and elements, care and handling, and creation of floral designs for a variety of occasions developing general employability skills. It will focus on the use of fresh flowers and foliages.

HRT 2350 Applied Horticulture Ecology (3-0-0 hrs) 3

This course provides an introduction to ecological principles at the species, population, community, and ecosystem levels. Specific application of ecology to sustainability and the management of landscape and production ecosystems are studied.

Graduation Requirements

- Completion of 60 credits
- Completion of all required courses and credits as per Program of Study
- Cumulative program G.P.A. of 2.00 or better
- Satisfactory completion of occupational experience and/or assignment, if required

Changes to this Program

Every effort has been made to ensure that information in this program is accurate at the time of publication. The College reserves the right to change programs if it becomes necessary so that program content remains relevant. In such cases, Olds College will provide clear and timely notice of the changes.

Effective Date: 07/01/2020 to 04/30/2021

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Hospitality & Tourism Management Diploma

Description

This innovative program prepares its graduates to contribute to the growth and development of the Hospitality and Tourism industry by providing educational excellence in key sectors of the industry, including managerial, entrepreneurial and guest experience perspectives. Graduates will be positioned to take advantage of local, national and global career opportunities within this dynamic industry.

Intake Year Fall 2019.

Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. Communicate with stakeholders to achieve personal and organizational objectives.
2. Apply strategic leadership skills to achieve organization objectives.
3. Analyze business information to make strategic decisions.
4. Apply resource management skills to achieve organizational objectives.
5. Apply critical thinking skills to achieve organizational objectives.
6. Apply professional standards to achieve personal and organizational objectives.
7. Apply ethical standards to achieve personal and organizational objectives.
8. Apply the marketing process to achieve organizational objectives.
9. Utilize business technologies to perform workplace duties.
10. Apply project management principles to achieve organizational objectives.

Requirements:

TERM 1

Course Credits
(Total Credits:6)

HAT 1110 Mixology and International Spirits, Wine and Beer (1-2-0 hrs) 3

Students are introduced to spirits, wine and beer from various regions of the world, inventory management, and must complete ProServe certification. Lab experience offers practical skills in bartending duties with an emphasis on mixology.

COM 1020 Workplace Communication (3-0-0 hrs) 3

In this course students develop writing and presentation skills. Students will apply rules of grammar, spelling, punctuation and mechanics in the development of letters, email and short reports as well as other documents relevant to their industry. Students will demonstrate strategies and techniques for creating informative and persuasive presentations.

TERM 2

Course Credits
(Total Credits:21)

HAT 1112 Culinary Theory and Production (1-2-0 hrs) 3

Students are introduced to the theory of menu planning, evaluation and design. Students will also be exposed to basic and advanced food preparation techniques, including food storage, pre-

preparation, detailed plate presentation and intricate food combinations. Students must have completed Food Safe, Standard First Aid, and Olds College WHMIS certifications prior to working in the kitchen.

HAT 1114 Dining Experience and Service (1-2-0 hrs) 3

Students will experience and evaluate various dining facilities, with a focus on the analysis of the services and operations from a guest perspective. Students will learn and demonstrate professional service skills in an actual food service setting, including personal sales techniques.

HAT 1130 Marketing for Hospitality and Tourism (3-0-0 hrs) 3

Students will experience and evaluate a variety of hospitality and tourism facilities relating to product, price, place, promotion, people, physical evidence and process. Social media and mobile applications are included as part of the marketing mix.

HAT 1255 Global and Sustainable Tourism (3-0-0 hrs) 3

Students will gain an understanding of the psychology of travel, tourism sectors, the role of key industry players, and contemporary issues in eco-tourism, sustainability and business operations of various tourism organizations. Students will also experience and evaluate various tourism facilities, with a focus on the analysis of the services and operations from a guest perspective.

HAT 2038 Accommodation Management (3-0-0 hrs) 3

Students will assess customer needs and develop procedures and management strategies that result in accommodation service excellence. Students will gain an understanding of all aspects of room division management, and experience and evaluate accommodation facilities, with a focus on the analysis of the services and operations from a guest perspective.

HAT 2240 Hospitality Cost Management (3-0-0 hrs) 3

This course will involve gaining an understanding and practical application of establishing effective strategies involved in cost controls and management. Food, beverage and labour cost controls, budgeting, setting operational standards, the purchasing cycle, production controls, ratio analysis, variance, cash flow, cost management, and cost-volume-profit relationships will be evaluated from a managerial perspective.

HAT 2235 Security, Law and Risk Management for Hospitality and Tourism (3-0-0 hrs) 3

This course provides an overview of contract law and tort law as they relate to the hospitality and tourism industry. Students will gain an understanding of insurance, licensing, the Public Health Act, and current security issues and procedures as they relate to the protection of guests and assets. Risk management concepts will be examined. Students will be given the opportunity to obtain Standard First Aid and Olds College WHMIS certification.

TERM 3

Course Credits
(Total Credits:24)

HAT 1080 Career Development and International Business Etiquette (3-0-0 hrs) 3

Students will develop action plans for professional success, practice interview techniques and create career documents to demonstrate strengths and skills, including cover letters and resumes. Students will also develop a basic understanding of, and the practices necessary to, effectively manage relationships, with a focus on cross-cultural variants within industry and how they impact international clients, guests, and business relationships. Students will complete a personality preference assessment to improve work productivity, teamwork and communication in both their personal and professional lives.

HAT 1220 Hospitality and Tourism Human Resources (3-0-0 hrs) 3

This course provides an overview of the fundamentals of human resource management with emphasis placed on contemporary issues within the hospitality and tourism industry. Students will gain an understanding in both the theory and practice of human resources planning, staff recruitment, selection, and retention and Alberta Human Rights and Employment Standards legislation.

HAT 1240 Introduction to Accounting (3-0-0 hrs) 3

Students are introduced to financial accounting including the basic structure of accounting, the accounting information system including the preparation of financial statements, and generally accepted accounting principles.

HAT 2035 Selling and Convention Management (3-0-0 hrs) 3

This course defines the scope and segmentation of the convention and event market. Students will study sales techniques and strategies to meet these market needs.

HAT 2355 Leisure, Sporting Events and Recreation Operations (3-0-0 hrs) 3

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.

HAT 2450 Rural, Heritage and Food Tourism (3-0-0 hrs) 3

Authentic guest experiences in the hospitality and tourism industry will drive innovation, product development, economic development and sustainable growth on a local, regional and national level. This theoretical and practical course introduces vital concepts relating to niche ventures and examines them from a variety of contexts including rural, agriculture-based, nature-based, heritage, and food tourism markets and operations.

HAT 2490 Entrepreneurship and Product Development (3-0-0 hrs) 3

Students will invest in, research, create and plan all aspects of an actual tourism experience event including venue, menu, staffing, costing, marketing and selling. The event(s) will take place during the residency term in HAT 2491 - Event Operations and Management course.

HAT 2550 Tour Guiding and Managing the Guest Experience (3-0-0 hrs) 3

Students will learn all aspects of the tour guide industry, including pre-tour departure preparations, itinerary research and development, costing, guest and supplier relations, and tour monologue development and public speaking. Travel, food, accommodations, attractions and activities, as they pertain to independent and group touring, will also be covered. External certifications may be available.

TERM 4

Course Credits
(Total Credits:6)

HAT 1170 Work Experience I - Examining Hospitality and Tourism Industry Operations (0-0-0 hrs) 3

In this course students have the opportunity to apply, enhance and incorporate academic and/or technical knowledge and competencies acquired in the Hospitality and Tourism Management program at an industry-related business or organization. Two hundred and fifty (250) hours of work experience is required and students must complete a series of assignments relating to the marketing and operations of the organization.

HAT 2170 Work Experience II - Analysis of Hospitality and Tourism Practices (0-0-0 hrs) 3

In this course students are provided the opportunity to apply, enhance and incorporate academic or technical knowledge and competencies acquired in the Hospitality and Tourism Management program at an industry-related business or organization. Two hundred and fifty (250) hours of work experience is required and students must complete a series of assignments relating to the analysis of management and operations of the organization.

Pre-requisite : HAT - 1170 :

TERM 5

Course Credits
(Total Credits:3)

HAT 2491 Event Operations and Management (3-0-0 hrs) 3

The capstone course in the program enables students to utilize their competencies in an intense,

demanding and real-life project-based series of experiences as they execute the event(s) developed in the Entrepreneurship and Product Development course. As a team member, students will have the opportunity to gain valuable supervisory and management experience while providing customer service excellence to guests. This course takes place during a residency period following the work experience term.

Pre-requisite : HAT - 2490 :

Graduation Requirements

- Completion of 60 credits
- Completion of all required courses and credits as per Program of Study
- Cumulative program G.P.A. of 2.00 or better
- Satisfactory completion of occupational experience and/or assignment, if required

Changes to this Program

Every effort has been made to ensure that information in this program is accurate at the time of publication. The College reserves the right to change programs if it becomes necessary so that program content remains relevant. In such cases, Olds College will provide clear and timely notice of the changes.

Effective Date: 07/01/2019 to Present

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Land & Water Resources - Environmental Stewardship and Rural Planning Major Diploma

Description

The Land and Water Resources program prepares its graduates for careers in land reclamation, environmental stewardship and rural planning emphasizing environmentally sustainable land management practices.

Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. Manage environmental projects individually and collaboratively
2. Use critical thinking to solve land resource problems
3. Manage information using documentation and organizational skills
4. Communicate using written, oral and multimedia methods appropriate to the workplace
5. Access and evaluate environmental information
6. Apply professional, environmental and corporate ethics to the workplace
7. Apply chemistry and mathematical principles to land resource management
8. Manage plant communities
9. Manage watersheds and water quality
10. Analyze soil landscapes
11. Manage natural and agricultural ecosystems
12. Apply statutes, regulations and directives to land-use issues
13. Use tools, machinery, and instrumentation in land management
14. Assess environmental pollution
15. Plan rural land use
16. Demonstrate professionalism

Requirements:

TERM 1

Course Credits
(Total Credits:15)

EVS 1210 Applied Ecology (3-2-0 hrs) **3**

This course provides 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.

GPS 1200 GPS, Site Mapping and Graphics (0-5-0 hrs) **3**

In this course Global Positioning System (GPS) is used to navigate to site locations, and to record the location of features in the field. A variety of field measurement instruments, field notes and sketching are employed to collect site information. Data is processed in mapping programs to prepare maps in selected coordinate systems and to acquire land information from survey plans and air photos. The course requires significant walking outdoors in a variety of weather conditions, using equipment to collect on-site data.

PLS 1010 Plant Science Principles (3-2-0 hrs) **3**

This foundation course details plant morphology, physiology and taxonomy. Students learn how structures and processes affect overall plant growth and response to the surrounding environment.

A dichotomous key is used to identify unknown plant species.

SOI 1000 Fundamentals of Soil Science (3-2-0 hrs) 3

This course encompasses the study of soil formation, soil properties and the characteristics and distribution of prairie soil resources. Students will also be introduced to soil classification, soil fertility and sustainable soil management.

WTR 1330 Water Fundamentals (3-2-0 hrs) 3

This course is an introduction to the science and issues of water resource management. Topics include the properties of water, surface and groundwater hydrology, water quality standards, water quality analysis and sampling, and the protection of water resources.

TERM 2

Course Credits
(Total Credits:15)

AGN 1540 Introductory Pest Management (3-2-0 hrs) 3

Students will study the principles of pest management in agricultural cropping systems. They will learn the basic concepts of integrated pest management and principles guiding the safe use of pesticides. Learners will also focus on the identification of selected weeds, diseases and insects of field crops in western Canada.

Pre-requisite : AGN - 1240 :or

Pre-requisite : PLS - 1010 :and

Pre-requisite : SOI - 1000 :

COM 1020 Workplace Communication (3-0-0 hrs) 3

In this course students develop writing and presentation skills. Students will apply rules of grammar, spelling, punctuation and mechanics in the development of letters, email and short reports as well as other documents relevant to their industry. Students will demonstrate strategies and techniques for creating informative and persuasive presentations.

CHE 1020 Environmental Chemistry (3-2-0 hrs) 3

Students will study a range of topics in inorganic and organic chemistry including nomenclature of functional groups, stoichiometry, solutions, acids and bases, equilibrium reactions and transport mechanisms. The topics are linked to agricultural and environmental applications and provide a basis for the further study of soils, plants, water and contaminants.

EVS 1730 Land Reclamation and Ethics (3-2-0 hrs) 3

This course presents an overview of reclamation issues, regulations and field practices as well as the application of professional and environmental ethics to workplace situations. Special attention is given to wellsite, pipeline, oilsands, and open pit mining operations.

LUP 1620 Land Systems and Legislation (3-2-0 hrs) 3

Legislation and land tenure systems for private, crown and aboriginal lands are examined. Understanding the functions of government and the development of environmental legislation helps prepare students for careers in land and water resource management.

TERM 3

Course Credits
(Total Credits:15)

EVS 2000 Environmental Field School and Technical Reporting (2.6-3.2-0 hrs) 3

Learners will undertake comprehensive environmental field data collection and investigations in Grassland, Parkland and Forested Natural Regions. Field data will be analyzed using various methods and technologies. Reports will be presented, summarizing field work. Learners will gain scientific and technical writing skills and practice career advancement strategies, culminating in a professional portfolio.

Pre-requisite : GPS - 1200 :and

Pre-requisite : SOI - 1000 :and

Pre-requisite : PLS - 1010 :and

Pre-requisite : WTR - 1330 :

LUP 2610 Rural Development Practices (2.6-1.73-0 hrs) 3

This course develops skills required for rural planning. Planning and development application scenarios provide hands-on experience in individual and group settings. Environmental principles and trends are examined, as they relate to the rural municipal planning process.

Pre-requisite : LUP - 1620 :

Corequisite : LUP - 2620 :

LUP 2620 Applied Land Use Planning (2.6-2.6-0 hrs) 3

This is a capstone course that applies the theories of rural planning to practical examples. Focus is placed on developing skills in problem solving, positive communication and conflict resolution. Learners work on investigating and solving planning issues individually and in groups. Both oral and written presentations are made of their work. Various CAD design and GIS tools are used to support the Land Use Planning process.

Corequisite : LUP - 2610 :

PLS 2410 Native Plants of Alberta (2.6-1.73-0 hrs) 3

An introduction to the importance, role and use of dominant native plant species on rangeland and forested areas within Alberta's ecoregions. Students learn to identify both non-vascular and vascular species in selected plant families using dichotomous plant keys. The processes to select and propagate native species for re-vegetation purposes are described.

Pre-requisite : PLS - 1010 :and

Pre-requisite : EVS - 1210 :

WTR 2330 Water Quality (2.6-1.73-0 hrs) 3

Students will investigate the physical, chemical and biological characteristics of water and their environmental and economic impacts. Monitoring systems and groundwater remediation methods are introduced along with field experiences in water quality data collection from surface and groundwater sources. Laboratory skills in general microbiology and water analysis are a major emphasis of the course.

Pre-requisite : WTR - 1330 :

TERM 4

Course Credits
(Total Credits:15)

AGN 2600 Soil Management and Crop Production (3-2-0 hrs) 3

This course will describe the production practices and principles of annual crop and perennial forage crop production and develop skills in soil management, soil conservation and plant nutrition in sustainable agricultural systems. Students will identify major field crops, and their adaptations in western Canada, while discussing factors that lead to soil degradation and the production practices that can mitigate these problems.

Pre-requisite : PLS - 1010 :

EVS 2560 Environmental Statistics and Database Management (2-3-0) 3

This course is an introduction to basic statistical methods and data management practices in land management and environmental science. Students will learn how to work with spreadsheet and database software. Major statistical topics include central tendency, measures of dispersion, linear regression, correlation analysis and hypothesis testing. Students will design and conduct experiments to facilitate some of the statistical and database learning.

GIS 1300 GIS Tools (0-5-0 hrs) 3

This course introduces the concepts and applications of GIS technology (Geographic Information Systems). The student will gain hands-on experience using desktop and online GIS software in a computer lab environment. Students will use datasets from commercial sources for GIS projects. The GIS will be used to view, manage, and query spatial data, and to create various map outputs

suitable for reports and presentations.

SOI 2340 Soil Classification & Mapping (3-2-0 hrs) 3

A study of soil genesis, morphology, and classification with particular focus on the Canadian System of Soil Classification (CSSC). Emphasis will be placed on the classification of soils by observing and measuring real soil properties that reflect processes of soil formation and environmental factors. Students will also be introduced to the concepts and procedures involved in mapping soils and interpreting soil resource inventory information.

Pre-requisite : SOI - 1000 :

WTR 2630 Watershed Management (3-2-0 hrs) 3

The 'watershed approach' is explored as a strategy for managing aquatic resources. Content areas include state-of-the-watershed assessments, alternatives for managing water quantity, alternatives for managing water quality, methods for restoring aquatic ecosystems, and watershed planning processes. A culminating project requires students to choose a watershed for which an environmental issue of concern is identified and addressed through an appropriate management plan.

Pre-requisite : WTR - 1330 :

Graduation Requirements

- Completion of 60 credits
- Completion of all required courses and credits as per Program of Study
- Cumulative G.P.A. of 2.00 or better
- Satisfactory completion of occupational experience and/or assignment, if required
- Effective January 1, 2017 the course EVS 2740 is being replaced with EVS 2750. Credit will given to those students who have already completed EVS 2740 prior to December 31, 2016.
- Note: EVS 2730 Outline #1133 is effective until June 30, 2017. Shows as Historically as EVS 2730 Managing Contaminated Sites. Effective June 30, 2017 the course name changes to EVS 2730 Environmental Site Assessment.
- Note: AGN 2420 and SOI 2500 will be effective until June 30, 2018. Credit for these courses will be given to students that successfully complete the two courses and graduate in April 2018.
- Note: AGN 2600 and EVS 2560 will be required course for students entering the program in Fall 2017. Students will take these courses in the Winter Term of 2019.

Changes to this Program

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Effective Date: 07/01/2018 to Present

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Land & Water Resources - Land Reclamation and Remediation Diploma

Description

The Land and Water Resources program prepares its graduates for careers in land reclamation, environmental stewardship and rural planning emphasizing environmentally sustainable land management practices.

Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. Manage environmental projects individually and collaboratively
2. Use critical thinking to solve land resource problems
3. Manage information using documentation and organizational skills
4. Communicate using written, oral and multimedia methods appropriate to the workplace
5. Access and evaluate environmental information
6. Apply professional, environmental and corporate ethics to the workplace
7. Apply chemistry and mathematical principles to land resource management
8. Manage plant communities
9. Manage watersheds and water quality
10. Analyze soil landscapes
11. Manage natural and agricultural ecosystems
12. Apply statutes, regulations and directives to land-use issues
13. Use tools, machinery, and instrumentation in land management
14. Assess environmental pollution
15. Remediate contaminated environments
16. Reclaim disturbed environments
17. Demonstrate professionalism

Requirements:

TERM 1

Course Credits
(Total Credits:15)

EVS 1210 Applied Ecology (3-2-0 hrs) **3**

This course provides 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.

GPS 1200 GPS, Site Mapping and Graphics (0-5-0 hrs) **3**

In this course Global Positioning System (GPS) is used to navigate to site locations, and to record the location of features in the field. A variety of field measurement instruments, field notes and sketching are employed to collect site information. Data is processed in mapping programs to prepare maps in selected coordinate systems and to acquire land information from survey plans and air photos. The course requires significant walking outdoors in a variety of weather conditions, using equipment to collect on-site data.

PLS 1010 Plant Science Principles (3-2-0 hrs) **3**

This foundation course details plant morphology, physiology and taxonomy. Students learn how structures and processes affect overall plant growth and response to the surrounding environment. A dichotomous key is used to identify unknown plant species.

SOI 1000 Fundamentals of Soil Science (3-2-0 hrs) 3

This course encompasses the study of soil formation, soil properties and the characteristics and distribution of prairie soil resources. Students will also be introduced to soil classification, soil fertility and sustainable soil management.

WTR 1330 Water Fundamentals (3-2-0 hrs) 3

This course is an introduction to the science and issues of water resource management. Topics include the properties of water, surface and groundwater hydrology, water quality standards, water quality analysis and sampling, and the protection of water resources.

TERM 2

Course Credits
(Total Credits:15)

AGN 1540 Introductory Pest Management (3-2-0 hrs) 3

Students will study the principles of pest management in agricultural cropping systems. They will learn the basic concepts of integrated pest management and principles guiding the safe use of pesticides. Learners will also focus on the identification of selected weeds, diseases and insects of field crops in western Canada.

Pre-requisite : AGN - 1240 :or

Pre-requisite : PLS - 1010 :and

Pre-requisite : SOI - 1000 :

COM 1020 Workplace Communication (3-0-0 hrs) 3

In this course students develop writing and presentation skills. Students will apply rules of grammar, spelling, punctuation and mechanics in the development of letters, email and short reports as well as other documents relevant to their industry. Students will demonstrate strategies and techniques for creating informative and persuasive presentations.

CHE 1020 Environmental Chemistry (3-2-0 hrs) 3

Students will study a range of topics in inorganic and organic chemistry including nomenclature of functional groups, stoichiometry, solutions, acids and bases, equilibrium reactions and transport mechanisms. The topics are linked to agricultural and environmental applications and provide a basis for the further study of soils, plants, water and contaminants.

EVS 1730 Land Reclamation and Ethics (3-2-0 hrs) 3

This course presents an overview of reclamation issues, regulations and field practices as well as the application of professional and environmental ethics to workplace situations. Special attention is given to wellsite, pipeline, oilsands, and open pit mining operations.

LUP 1620 Land Systems and Legislation (3-2-0 hrs) 3

Legislation and land tenure systems for private, crown and aboriginal lands are examined. Understanding the functions of government and the development of environmental legislation helps prepare students for careers in land and water resource management.

TERM 3

Course Credits
(Total Credits:15)

EVS 2000 Environmental Field School and Technical Reporting (2.6-3.2-0 hrs) 3

Learners will undertake comprehensive environmental field data collection and investigations in Grassland, Parkland and Forested Natural Regions. Field data will be analyzed using various methods and technologies. Reports will be presented, summarizing field work. Learners will gain scientific and technical writing skills and practice career advancement strategies, culminating in a professional portfolio.

Pre-requisite : GPS - 1200 :and

Pre-requisite : SOI - 1000 :and

Pre-requisite : PLS - 1010 :and

Pre-requisite : WTR - 1330 :

EVS 2330 Oilfield Reclamation (2.6-1.73-0 hrs) 3

This field-oriented course will teach reclamation practices in the context of Alberta's oil and gas industry. It includes an overview of petroleum facilities and production practices as they relate to land disturbance, as well as a review of procedures and equipment used to assess and reclaim disturbed sites. Students will apply regulatory criteria for cultivated, forested and range lands to sites in the field.

Pre-requisite : EVS - 1730 :

EVS 2730 Environmental Site Assessment (2.6-1.73-0 hrs) 3

Students learn the procedures related to the environmental site assessment of lands impacted by industrial activity. The course includes an overview of contaminant chemistry, waste management procedures, application of directives, assessment methods, and implementation of the Alberta Tier 1 guidelines related to the improvement of impacted soil and groundwater. Petroleum industry applications will be emphasized.

Pre-requisite : CHE - 1020 :

PLS 2410 Native Plants of Alberta (2.6-1.73-0 hrs) 3

An introduction to the importance, role and use of dominant native plant species on rangeland and forested areas within Alberta's ecoregions. Students learn to identify both non-vascular and vascular species in selected plant families using dichotomous plant keys. The processes to select and propagate native species for re-vegetation purposes are described.

Pre-requisite : PLS - 1010 :and

Pre-requisite : EVS - 1210 :

WTR 2330 Water Quality (2.6-1.73-0 hrs) 3

Students will investigate the physical, chemical and biological characteristics of water and their environmental and economic impacts. Monitoring systems and groundwater remediation methods are introduced along with field experiences in water quality data collection from surface and groundwater sources. Laboratory skills in general microbiology and water analysis are a major emphasis of the course.

Pre-requisite : WTR - 1330 :

TERM 4

Course Credits
(Total Credits:15)

AGN 2600 Soil Management and Crop Production (3-2-0 hrs) 3

This course will describe the production practices and principles of annual crop and perennial forage crop production and develop skills in soil management, soil conservation and plant nutrition in sustainable agricultural systems. Students will identify major field crops, and their adaptations in western Canada, while discussing factors that lead to soil degradation and the production practices that can mitigate these problems.

Pre-requisite : PLS - 1010 :

EVS 2560 Environmental Statistics and Database Management (2-3-0) 3

This course is an introduction to basic statistical methods and data management practices in land management and environmental science. Students will learn how to work with spreadsheet and database software. Major statistical topics include central tendency, measures of dispersion, linear regression, correlation analysis and hypothesis testing. Students will design and conduct experiments to facilitate some of the statistical and database learning.

EVS 2750 Contaminated Sites Remediation (3-2-0) 3

This course will cover the principles and techniques used for the remediation of contaminated land

and water. A study of concepts related to ecological and human health risk as outlined in the Alberta Tier 2 Soil and Groundwater Remediation Guidelines. Students will apply the relevant physical, chemical and biological remediation technologies used by industry to contaminated soil and groundwater related scenarios.

Pre-requisite : EVS - 2730 :

GIS 1300 GIS Tools (0-5-0 hrs) 3

This course introduces the concepts and applications of GIS technology (Geographic Information Systems). The student will gain hands-on experience using desktop and online GIS software in a computer lab environment. Students will use datasets from commercial sources for GIS projects. The GIS will be used to view, manage, and query spatial data, and to create various map outputs suitable for reports and presentations.

SOI 2340 Soil Classification & Mapping (3-2-0 hrs) 3

A study of soil genesis, morphology, and classification with particular focus on the Canadian System of Soil Classification (CSSC). Emphasis will be placed on the classification of soils by observing and measuring real soil properties that reflect processes of soil formation and environmental factors. Students will also be introduced to the concepts and procedures involved in mapping soils and interpreting soil resource inventory information.

Pre-requisite : SOI - 1000 :

Graduation Requirements

- Completion of 60 credits
- Completion of all required courses and credits as per Program of Study
- Cumulative G.P.A. of 2.00 or better
- Satisfactory completion of occupational experience and/or assignment, if required
- Effective January 1, 2017 the course EVS 2740 is being replaced with EVS 2750. Credit will given to those students who have already completed EVS 2740 prior to December 31, 2016.
- Note: EVS 2730 Outline #1133 is effective until June 30, 2017. Shows as Historically as EVS 2730 Managing Contaminated Sites. Effective June 30, 2017 the course name changes to EVS 2730 Environmental Site Assessment.
- Note: AGN 2420 and SOI 2500 will be effective until June 30, 2018. Credit for these courses will be given to students that successfully complete the two courses and graduate in April 2018.
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Changes to this Program

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Effective Date: 07/01/2018 to Present

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Meat Processing Certificate

Description

Olds College Meat Processing Program will provide training to develop the knowledge and leadership skills of its students' which are needed to succeed in various career paths within the Canadian Meat Industry.

Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. Create written food safety and operational documentation to meet industry standards.
2. Perform techniques for effective sanitation of meat processing equipment and facilities.
3. Apply food safety principles to comply with regulatory requirements.
4. Perform meat cutting to packing house and case ready operations requirements.
5. Perform value-added processed meats production to meet Canadian meat industry requirements.
6. Perform retail meat operations to meet the retail meat industry requirements.
7. Perform abattoir operations to meet industry requirements.
8. Apply meat science principles to meet the needs of consumers and meat industry.
9. Interact professionally with clients and colleagues within the Canadian meat industry.
10. Demonstrate basic computer skills applicable to the Canadian meat industry.

Requirements:

TERM 1

Course Credits
(Total Credits:12)

MEP 1007 Meat Cutting (1.3-4.7-0 hrs) **3**

Students will gain practical meat fabrication and packaging skills to produce meat cuts for the retail, food service and custom markets.

Corequisite : MEP - 1008 :and

Corequisite : MEP - 1009 :and

Corequisite : MEP - 1010 :and

Corequisite : MEP - 1006 :or

Corequisite : MEP - 2006 :

MEP 1008 Value Added Processing (1.7-1.3-0 hrs) **3**

Students will participate in the preparation and processing of selected value added meat products such as fresh and fully cooked sausages, hams and deli style meats.

Corequisite : MEP - 1007 :and

Corequisite : MEP - 1009 :and

Corequisite : MEP - 1010 :and

Corequisite : MEP - 1006 :or

Corequisite : MEP - 2006 :

MEP 1009 Food Safety and Sanitation (3-3-0 hrs) **3**

Students will apply food safety measures and conduct sanitation operations within the meat production environment to comply with regulations and industry standards.

Corequisite : MEP - 1007 :and

Corequisite : MEP - 1008 :and

Corequisite : MEP - 1010 :and

Corequisite : MEP - 1006 :or

Corequisite : MEP - 2006 :

MEP 1010 Meat Industry Communication (3-0-0 hrs) 3

In this course, students will develop communications skills focused on the meat industry. The course will prepare students to work in teams, practice effective customer relations and sales techniques, and pursue employment opportunities in the meat industry.

Corequisite : MEP - 1007 :and

Corequisite : MEP - 1008 :and

Corequisite : MEP - 1009 :and

Corequisite : MEP - 1006 :or

Corequisite : MEP - 2006 :

In addition to the four courses listed above students will be required to choose an option from the courses listed below. Students will be required to achieve 15 credits to receive their certificate.

Option 1:

Course Credits
(Total Credits:3)

MEP 1006 Livestock Slaughter (0.7-5.3-0 hrs) 3

Through guided instruction and on site applications, students will perform humane slaughter of selected livestock species to meet industry and regulatory inspection requirements.

Corequisite : MEP - 1007 :and

Corequisite : MEP - 1008 :and

Corequisite : MEP - 1009 :and

Corequisite : MEP - 1010 :

Option 2:

Course Credits
(Total Credits:3)

MEP 2006 Full Service and Retail Meat Cutting (1.3-4.7-0 hrs) 3

Students will develop skills in retail meat cutting focusing on 'Full Service' counter cutting including meat merchandising, and retail management.

Corequisite : MEP - 1007 :and

Corequisite : MEP - 1008 :and

Corequisite : MEP - 1009 :and

Corequisite : MEP - 1010 :

Graduation Requirements

- Completion of 15 credits
- Completion of all required courses and credits as per Program of Study

Cumulative program G.P.A. of 2.00 or better
- Satisfactory completion of occupational experience and/or assignment, if required

Changes to this Program

Every effort has been made to ensure that information in this program is accurate at the time of publication. The College reserves the right to change programs if it becomes necessary so that program content remains relevant. In such cases, Olds College will provide clear and timely notice of the changes.

Effective Date: 07/01/2020 to Present

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Agricultural Business - Post-Diploma Certificate

Description

The Post-Diploma Certificate in Agricultural Business is designed to assist Diploma or Degree graduates in acquiring supplementary and advanced skills in the area of Agricultural Business.

Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. Demonstrate enhanced technical and practical skills gained through a broadened experience and knowledge base in the area of Agricultural Business.

Requirements:

TERM 1

Course Credits
(Total Credits:15)

15 credits (generally five 3 credit courses) in the area of Agricultural Business and related areas.

TERM 2

Course Credits
(Total Credits:15)

15 credits (generally five 3 credit courses) in the area of Agricultural Business and related areas.

Graduation Requirements

- Completion of 30 credits as advised
- Cumulative GPA of 2.50 or better

Changes to this Program

Every effort has been made to ensure that information in this program is accurate at the time of publication. The College reserves the right to change programs if it becomes necessary so that program content remains relevant. In such cases, Olds College will provide clear and timely notice of the changes.

Effective Date: 07/01/2018 to Present

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Agriculture - Post-Diploma Certificate

Description

The Post-Diploma Certificate in Agriculture is designed to assist Diploma or Degree graduates in acquiring supplementary and advanced skills in the area of Agriculture.

Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. Demonstrate enhanced technical and practical skills gained through a broadened experience and knowledge base in the area of Agriculture.

Requirements:

TERM 1

Course Credits
(Total Credits:15)

15 credits (generally five 3 credit courses) in the area of Agriculture and related areas.

TERM 2

Course Credits
(Total Credits:15)

15 credits (generally five 3 credit courses) in the area of Agriculture and related areas.

Graduation Requirements

- Completion of 30 credits as advised
- Cumulative GPA of 2.50 or better

Changes to this Program

Every effort has been made to ensure that information in this program is accurate at the time of publication. The College reserves the right to change programs if it becomes necessary so that program content remains relevant. In such cases, Olds College will provide clear and timely notice of the changes.

Effective Date: 07/01/2018 to Present

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Environment - Post-Diploma Certificate

Description

The Post-Diploma Certificate in Environment is designed to assist Diploma or Degree graduates in acquiring supplementary and advanced skills in the area of Environment.

Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. Demonstrate enhanced technical and practical skills gained through a broadened experience and knowledge base in the area of Environment.

Requirements:

TERM 1

Course Credits
(Total Credits:15)

15 credits (generally five 3 credit courses) in the area of Environment and related areas.

TERM 2

Course Credits
(Total Credits:15)

15 credits (generally five 3 credit courses) in the area of Environment and related areas.

Graduation Requirements

- Completion of 30 credits as advised
- Cumulative GPA of 2.50 or better

Changes to this Program

Every effort has been made to ensure that information in this program is accurate at the time of publication. The College reserves the right to change programs if it becomes necessary so that program content remains relevant. In such cases, Olds College will provide clear and timely notice of the changes.

Effective Date: 07/01/2018 to Present

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Horticulture - Post-Diploma Certificate

Description

The Post-Diploma Certificate in Horticulture is designed to assist Diploma or Degree graduates in acquiring supplementary and advanced skills in the area of Horticulture.

Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. Demonstrate enhanced technical and practical skills gained through a broadened experience and knowledge base in the area of Horticulture.

Requirements:

TERM 1

Course Credits
(Total Credits:15)

15 credits (generally five 3 credit courses) in the area of Horticulture and related areas.

TERM 2

Course Credits
(Total Credits:15)

15 credits (generally five 3 credit courses) in the area of Horticulture and related areas.

Graduation Requirements

- Completion of 30 credits as advised
- Cumulative GPA of 2.50 or better

Changes to this Program

Every effort has been made to ensure that information in this program is accurate at the time of publication. The College reserves the right to change programs if it becomes necessary so that program content remains relevant. In such cases, Olds College will provide clear and timely notice of the changes.

Effective Date: 07/01/2018

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Precision Agriculture Techgronomy Diploma

Description

The Olds College Precision Agriculture Techgronomy Diploma prepares graduates for entry into careers that bridge the gaps between agronomy, agriculture machinery management, and data sciences caused by the rapid evolution of high-speed technology.

Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. Demonstrate a knowledge of the scientific principles required to practice engineering or to apply and manage technology in agriculture (Science Literacy).
2. Demonstrate the cognitive skills of problem-solving including analysis, interpretation, evaluation, explanation, inference, and self-regulation (Critical Thinking).
3. Recognize the connectedness of, and interactions between, phenomena, people, places, and events in local and wider contexts; considers the impact of decisions; understands that the complexity of systems and the interdependence of components is an important area of scientific research and the creation of solutions to technical, economic, and social issues (Systems Thinking).
4. Demonstrate the ability to collect, manage, evaluate, and apply data in a critical manner (Data Literacy).
5. Engage in computational thinking -- using strategies to organize data logically, break problems into parts, interpret patterns, and design and implement algorithms to solve problems (Technology).
6. Recognize and capitalize on opportunities, innovations, and value creation towards developing a mindset that embraces critical questioning, innovation, service, and continuous improvement (Entrepreneurial Thinking).
7. Manage projects and multi-disciplinary teams using problem-solving, systems thinking and strengths-based leadership strategies through the Project Management Framework (Project Management).
8. Facilitate the process wherein a need or opportunity is identified and a design solution is developed, considering any economic, environmental, and social impacts that may result (Design Thinking).
9. Clearly convey information and ideas through a variety of media to individuals or groups in a manner that engages the audience and helps them understand and retain the message (Communication and Client Relations).
10. Develop personal and professional leadership skills with a focus on self-knowledge, self-regulation, and reflection (Leadership and Professional Development).
11. Apply precision agriculture technology within diverse agronomic contexts.
12. Operate and evaluate precision agriculture equipment for current agricultural conditions and issues.
13. Integrate and analyze agricultural field data using precision agriculture software to provide recommendations for sustainable cropping decisions.
14. Install, calibrate, troubleshoot and repair precision agriculture hardware and equipment, including electrical/mechanical/hydraulic/software systems.
15. Integrate agronomic principles in precision agriculture practices related to economic, environmental, and social impacts.
16. Analyze the complexity and interdependence of agricultural ecosystems including plant, water, and soil science.
17. Analyze the design and function of agricultural equipment in relation to agronomic principles.
18. Apply current industry safety protocols and standards.
19. Apply knowledge and understanding of the nature and performance of agricultural information systems to make recommendations to stakeholders.
20. Apply business principles to sales, client relations, return on investment, financial planning, and budgeting.

Requirements:

TERM 1

Course Credits
(Total Credits:15)

ATG 1001 Data Collection and Analytics (2-2-0 hrs) 3

Students will organize, name, store, and backup data in a digital environment. Data will be prepared for display in various formats to improve communication. Students will use Geographic Information Systems (GIS) applications to integrate various coordinate systems and data schema, as they interpret survey data and air photos to produce zone maps for clients.

ATG 1005 Food and Agriculture - Science and Decision-Making for a Complex World (2-1-1 hrs) 3

Students will investigate contemporary issues in food and agriculture, learn about scientific method and the interplay with societal development. Students will work individually and with peers to identify and analyze problems, develop options, and make recommendations to decision-makers in government and industry, and communicate to the public.

ATG 1007 Electronics and Control Systems (3-2-0 hrs) 3

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 used in precision farming.

ATG 1008 Solving Technology Problems (0-3-0 hrs) 3

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.

ATG 1009 Project Management and Leadership (3-0-0 hrs) 3

Students will be introduced to project management principles, including leveraging self-knowledge, self-regulation, and self-reflection within multidisciplinary teams. Students will learn how to use project management and leadership principles in technology-based projects within industry and for personal use.

TERM 2

Course Credits
(Total Credits:15)

ATG 1002 Soil Health in Agricultural Ecosystems (3-2-0 hrs) 3

Students will investigate soil as a living system and will explore technology as a tool to assess and evaluate the geological, physical, chemical and biological composition of soil with the objectives of understanding soil organic matter and maximizing soil health and system profitability.

ATG 1003 Plants in Agricultural Ecosystems (3-1-0 hrs) 3

Students will learn about biotic and abiotic plant responses to environmental stress and other external influences on plants that impact crop productivity within the soil-plant-atmosphere system. Emerging technology for measuring the impact of environmental stresses on plants will be explored.

ATG 1004 Water in Agricultural Ecosystems (3-1-0 hrs) 3

Students will gather real-time data with sensors they build themselves to determine water quality, quantity, utilization, and sustainability. Students will apply principles of hydrology and regenerative agriculture and determine how technology can best be used to initiate an inquiry into the question of how to maximize water retention and utilization to achieve optimum ecosystem health.

ATG 1006 Zone Management in a Digital Farming System I (0-4-2 hrs) 3

Zone management areas will be created from a systems-based approach, integrating fundamentals in satellite-based positioning and geographic information systems. Students will identify quality parameters, set up data gathering systems, collect and analyze data, and compare current sensor systems.

ATG 1010 Preparation for Techgronomist Internship (3-0-0 hrs) 3

Students will explore career opportunities to clarify professional goals and further develop leadership and technical skills. This will be done through the development of relationships with industry partners, project identification, proposal development, and research opportunities. By the end of this course, students will have secured internship placement within industry and made a plan for a special project to complete during the internship.

TERM 3 - INTERNSHIP (Minimum of 400 hours over 4 months)

Course Credits
(Total Credits:3)

ATG 2000 Internship (0-0-0 hrs) 3

Students will gain practical experience and expand contacts in their professional network in an industry placement for a minimum of 400 hours. Students will engage in a special project during the Internship to further develop skills in leadership, communication, project management and data collection.

TERM 4

Course Credits
(Total Credits:15)

ATG 2001 Agricultural Equipment Design and Function (2-1-1 hrs) 3

Students will develop their understanding of the history and evolution of agricultural equipment with an analysis of factors driving change from existing to emerging technologies. Students will evaluate and justify smart decisions on current equipment in the field and propose possible future developments. Students will gain practical skills in maintenance and service on agricultural equipment while following current workplace safety practices.

ATG 2003 Zone Management in Digital Farming Systems II (0-4-2 hrs) 3

Students create prescription maps for variable rate application, analyze site-specific yield data to validate prescriptions for management zones, augment basic data sources for advanced zone analysis (using advanced statistical analysis tools in prescription software), and analyze field data to solve an existing problem.

ATG 2004 Principles of Business and Entrepreneurship (2-1-1 hrs) 3

This course will introduce students to the business life cycle in the precision agriculture industry including incubation, start-up and financing, expansion and relocation, and exit through sales or succession. Students will develop a familiarity with the fundamentals of agribusiness and entrepreneurship including accounting, analytics, finance, human resources, marketing, management, operations and strategy. An emphasis on developing an entrepreneurial mindset will prepare students to make decisions about management and leadership, organizational considerations, and decision making processes.

ATG 2008 Soil Variability and Fertility Management (2-1-1) 3

Students will learn how variable soils can be in fields, how to assess soil variability, and use this information to effectively supply nutrients to crops. Managing supplemental nutrient sources

including synthetic fertilizers, organic fertilizers, and livestock manures, composts, biosolids will be discussed. Students will determine whether variable rate or blanket applications of nutrients are more effective or preferred. Students will develop a variable rate map for specific nutrients using data from farms, such as the Olds College Smart Farm.

ATI 3010 Communications and Client Relations (3-0-0 hrs) 3

Students will research technology advancements and industry trends to establish credibility related to informed decision-making. Students will develop professional communication skills including written, oral, and visual forms for specific purposes and targeted audiences. Students will develop the skills to communicate recommended planning, services, and techniques for technology within the context of industry, business, and professional environments.

TERM 5

Course Credits
(Total Credits:12)

ATG 2006 Applied Data and Technology in Digital Farming Systems (0-4-2 hrs) 3

Students will collate data from multiple sources for analysis, including a determination of appropriate technologies, operation of data collection equipment, modelling, planning field experiments, preparation for analysis, and troubleshooting software.

ATG 2007 Responsible Innovation in Agriculture (3-0-0) 3

In this course, students will use ethics and critical thinking to engage in informed decision-making and justification of their position on industry practices related to innovation in food production. Students will be exposed to global and local issues in agriculture and be asked to identify personal values and beliefs, communicate personal perspectives respectfully and ethically to others, and evaluate information sources.

ATG 2009 Telemetry (Telematics) Integration (2-2-1 hrs) 3

First, students will learn the basic operating principles, installation, and troubleshooting of Telematics (Telemetry). Students will understand the importance of utilizing Telematics in data sharing among farm managers, operators and the farm office. Second, students will learn the economic benefits of utilizing Telematics and communicating with customers. Third, our graduated specialists will easily identify single and multi-brand fleets and know how to work with different Telematics producers in the current market and support customers with specific inquiries.

ATG 2010 Synthesis Capstone (1-3-0 hrs) 3

Students will synthesize program learning in an applied research project within an industry partnership. Students will learn to approach, analyze, and solve a real-world problem through the applied research process and make decisions related to the field of precision agriculture technology. Students will evaluate the required resources for an experimental or non-experimental project. Students will learn how to formulate an effective hypothesis to analyze a problem and test it with basic statistical techniques. Students will perform benefit-cost ratio to compare different project plans. Students will incorporate sustainability concepts into their projects.

NOTE: This is a project-based course in which depending on the field chosen, a faculty mentor is assigned to the student in the related field. Each student is required to present their final work to other students.

Graduation Requirements

- Completion of 60 credits
- Completion of all required courses and credits as per Program of Study

- Cumulative program GPA of 2.0 or better
- Satisfactory completion of occupational experience and/or assignment, if required

Changes to this Program

Every effort has been made to ensure that information in this program is accurate at the time of publication. The College reserves the right to change programs if it becomes necessary so that program content remains relevant. In such cases, Olds College will provide clear and timely notice of the changes.

Effective Date: 01/01/2021 to Present

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Pre-employment Agricultural and Heavy Equipment Certificate

Description

The Olds College Pre-employment Agricultural and Heavy Equipment program prepares the graduate for entry level positions in the agricultural and heavy equipment sector. It covers basic diagnostics, welding, hydraulics, brakes, electronics and air conditioning. It also includes repair and maintenance of agricultural and heavy equipment and its various components. Worksite fundamentals including occupational health and safety are emphasized throughout the training. This program is the equivalent to the technical training of first year apprenticeship, with additional instructor contact hours.

Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. Describe technician basics.
2. Describe introductory welding.
3. Describe hydraulics, brakes and wheel systems.
4. Describe air conditioning.
5. Describe electrical fundamentals.

Requirements:

Semester 1

Course Credits
(Total Credits:15)

TEC 1000 Technician Basics (1.5-1.5-0) 3

In this introductory course, the student will gain an understanding of shop procedures and practices. They will learn the use and care of selected measuring, hand and power tools, workplace safety and common industry practices. The student will construct selected shop projects.

WLD 1167 Introductory Welding (1-2-0 hrs) 3

Students will gain an understanding of the safety, theory and techniques of oxy-Acetylene welding and cutting, shielded metal arc welding, and gas metal arc welding. They will study electrode selection, welding metallurgy, repair and fabrication procedures and metal joint preparation.

TEC 1102 Hydraulics, Brakes and Wheel Systems (4-3-0 hrs) 3

This course is an introduction to hydraulic principles and systems. Students will study hydraulic components, how they work and how they are connected in a system. Students will study open and closed center hydraulic systems. Working with hydraulic test benches and other laboratory aids, the students will build and test a variety of selected hydraulic circuits. Students will gain an understanding of common braking and trailer systems, including air, hydraulic, and electric systems. Together, students will repair selected brake systems and inspect selected trailer components, including wheels, tires, and hubs.

TEC 1103 Air Conditioning (2-1.5-0 hrs) 3

This heating and air-conditioning course covers the theory of operation, system controls, servicing, and diagnostics of selected systems. Students will practice selected service procedures to industry standards on laboratory air conditioning units and live equipment. Students will be encouraged to obtain the Heating Refrigeration Air Conditioning Institute of Canada environmental awareness certification. This certification will be offered on the students' own time (evening) and at their own expense.

TEC 1104 Electrical Fundamentals (5-3-0 hrs) 3

This course is an introduction to electrical principles and systems. Students will study electrical components, how they work and how they are connected in a system. Students will study how electricity is created and used. Working with test benches, multimeters, circuit boards and other laboratory aids, the students will build and test a variety of selected electrical circuits. Using and interpreting electrical schematics, students will locate components and perform basic repairs on wiring harnesses. Students will study starting and charging systems, including construction, function and troubleshooting. Basic electronic troubleshooting activities will build on basic competencies.

Graduation Requirements

Completion of 15 Credits
Completion of all required courses and credits as per Program of Study
Cumulative program G.P.A. of 2.00 or better

Changes to this Program

Every effort has been made to ensure that information in this program is accurate at the time of publication. The College reserves the right to change programs if it becomes necessary so that program content remains relevant. In such cases, Olds College will provide clear and timely notice of the changes.

Effective Date: 07/01/2020 to Present

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Pre Employment Motorcycle Mechanic Certificate

Description

The Olds College Pre-Employment Motorcycle Mechanic program prepares students to use industry procedures for entry level assembly, maintenance, repairs, and restoration of motorcycles and multi-wheeled lightweight all-terrain vehicles. Students will get hands-on instruction with an assortment of makes and models as you learn about: two and four stroke engine theory, electrical theory and circuits, mechanical and hydraulic brake systems and wheel and tire maintenance.

This program is the equivalent to the technical training of first year apprenticeship, with additional instructor contact hours.

Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. Demonstrate safe use of tools, equipment and materials, describe legislation, regulations and common practices.
2. Perform basic electrical system identification, diagnostics and repairs.
3. Perform basic engine service, tune-up and diagnostic procedures.
4. Perform basic wheel, tire and brake system maintenance and repairs.
5. Perform routine assembly and pre-delivery of new motorcycles. As well, perform the metal cutting and heating operations.

Requirements:

Term 1

Course Credits
(Total Credits:15)

PEM 1002 Standard Workplace Safety, Equipment and Materials (3-2-0 hrs) 3

This course will teach students to apply legislation, regulations and practices ensuring safe work in this trade. Students will use industry standard practices for climbing, lifting, rigging, hoisting, hazardous materials and fire protection. They will use common motorcycle shop equipment and work effectively in motorcycle service. Students will demonstrate the use of common hand tools and use specialized equipment for cleaning, measuring, testing and service work.

PEM 1003 Electrical Theory and Circuits (2.5-2-0 hrs) 3

Students will perform meter tests to diagnose and repair electrical problems. They will perform battery testing and use wiring diagrams to identify and repair electrical problems.

PEM 1004 Engine Theory and Tune-Up (2.5-2-0 hrs) 3

Students will apply operating and design principles of four stroke and two stroke engine operation. They will service motorcycle fuel systems, and perform compression, leak-down, and crankcase sealing tests, engine tune-up and maintenance.

PEM 1005 Wheels, Tires and Brake System Service (2.5-2-0 hrs) 3

In this class, students will perform wheel and tire maintenance, as well perform basic brake system service procedures.

PEM 1006 Pre-Delivery and Introduction to Oxy-Fuel (3-2.5-0 hrs) 3

In this class, students will perform more in-depth repair and maintenance of selected brake systems. Students will also handle crafted motorcycles, perform assembly, pre-delivery inspections and related tasks, and prepare motorcycles for storage. They will also perform metal cutting and heating operations.

Graduation Requirements

- Completion of 15 Credits
- Completion of all required courses and credits as per Program of Study
- Cumulative program G.P.A. of 2.00 or better
- Satisfactory completion of occupational experience and/or assignment, if required

Changes to this Program

Every effort has been made to ensure that information in this program is accurate at the time of publication. The College reserves the right to change programs if it becomes necessary so that program content remains relevant. In such cases, Olds College will provide clear and timely notice of the changes.

Effective Date: 07/01/2019 to Present

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Pre-Employment Welder Certificate

Description

The Olds College Pre-Employment Welder program prepares the graduate to perform entry level welding of metals in the repair, maintenance, fabricating or manufacturing of a wide variety of metal equipment and components. The program also focuses on workplace fundamentals and occupational health and safety training. This program is the equivalent to the technical training of first year apprentice.

Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. Employ current Occupational Health and Safety and industry standards and procedures in the workplace.
2. Communicate in a professional manner with industry associates.
3. Demonstrate employability skills and professional conduct.
4. Demonstrate technical workplace skills in an industry-related learning environment.
5. Demonstrate a working knowledge of the welding equipment involved with the various welding procedures.
6. Apply a working knowledge of mathematical calculations pertaining to the welding trade.
7. Perform assigned tasks in accordance with quality and production standards required by industry.
8. Demonstrate skills in the fusing of metals using prescribed welding applications.
9. Demonstrate a working knowledge of metals, arc electrodes, welding gases, and gas welding filler rods and recognize defective welds; know the cause and proper procedure for the repair of the defective area.

Requirements:

Semester 1

Course Credits
(Total Credits:15)

PEW 1001 Workplace Safety and Tools (2-2-0 hrs) **3**

Students will study the legislation and practices to ensure a safe workplace in the trade. They will also learn how to use personal protective equipment and demonstrate safe practices in lifting operations, as well as describe the safety practices for hazardous materials and fire protection. Also, students will learn to apply communication skills in an industry context. They will learn to use common materials as well as hand, shop, and power tools and measuring tools common to the trade. Metal cutting and heating operations safely using oxyacetylene equipment will also be introduced.

PEW 1002 Welding Technology and Properties of Metals (3-2-0 hrs) **3**

This course focuses on an introduction to theories relevant to today's welding equipment. Covered topics are electrical concepts, machine design and operation. Students will also practice reading and interpreting technical drawings. In this class, students will also identify joints, weld types and differentiate types of metals and their characteristics. Demonstrations on methods of controlling distortion while welding as well as hard facing of steel will also be involved.

PEW 1003 Wire Feed Welding (3-2-0 hrs) **3**

In this class, students will be introduced to gmaw wire feed processes. Students will be introduced to various machines, designs and other materials throughout the training process.

PEW 1004 Alternate Welding Techniques (3-3.5-0 hrs) **3**

In this class, students will be introduced to additional wire process operations including Flux Core Arc Welding, Metal Core Arc Welding. Various processes will be discussed and practiced through the training process.

PEW 1005 Trade Math (1-2-0 hrs) 3

In this course students will learn to solve mathematical problems directly related to the welding trade. Mathematical operations involving fractions, decimals, geometric formulas, percentages and ratios will be used throughout the course as they pertain to the trade.

Graduation Requirements

Completion of 15 Credits
Completion of all required courses and credits as per Program of Study
Cumulative program G.P.A. of 2.00 or better

Changes to this Program

Every effort has been made to ensure that information in this program is accurate at the time of publication. The College reserves the right to change programs if it becomes necessary so that program content remains relevant. In such cases, Olds College will provide clear and timely notice of the changes.

Effective Date: 07/01/2019 to Present

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Surface Land Management Diploma

Description

The Olds College Surface Land Management program's primary focus is to prepare its graduates to contribute to the successful relationship between the energy sectors, transportation industries and landowner groups by providing practical training in surface land acquisition. Acting as a liaison, land agents facilitate communication between stakeholders.

Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. Apply land terminology in surface land operations.
2. Apply principles of agronomy to the management of surface land operations.
3. Communicate ethically with a variety of surface land stakeholders.
4. Complete documentation for the acquisition and management of surface land interests.
5. Apply current laws and directives to the management of surface rights.
6. Demonstrate self-management skills in the land business.
7. Analyze First Nations issues relating to surface rights.
8. Apply environmental principles to the sustainable management of natural resources.
9. Explain the stages of producing energy in order to communicate with industry stakeholders.
10. Analyze factors affecting land value.
11. Manage land and mapping information using computer technologies.

Requirements:

SEMESTER 1

Course Credits
(Total Credits:15)

LND 1004 Alberta Crown Lands (3-0-0 hrs) **3**

This course addresses the multiple demands on Alberta's Crown lands and examines the roles different regulatory bodies have in their management. Stakeholder interests are identified and discussed in relation to Crown land developments. In scenarios, learners apply regulatory requirements in the Crown Land application process to secure dispositions for selected industrial activities.

LND 1003 Energy Fundamentals (3-0-0 hrs) **3**

This course provides students with an understanding of the evolution of the Oil and Gas Industry. They will be introduced to Canada's crude oil & natural gas resources and the role they play in modern society. Students will learn the basics of the industry, from exploration through to refining and end use. Alternative energy sources and the challenges and opportunities facing the industry in the 21st Century will also be examined.

AGN 1010 Vegetation of Western Canada (3-2-0 hrs) **3**

This course provides an introduction to the vegetation found on native and disturbed sites in Western Canada. Students learn the identification, adaptation and use of major forest, rangeland and crop species to effectively communicate with landowners. The identification, importance, growth, dispersal and management of common prairie weeds are also emphasized.

LND 1009 Land Documents and Compensation (3-0-1 hrs) **3**

This course provides an overview of documentation and compensation in the oil and gas industry. Students will learn about land professional roles, surface and mineral rights ownership in Alberta

and the western Canada survey system. Upon completion of this course they will be able to perform compensation calculations and prepare surface leases and accompanying documents.

COM 1020 Workplace Communication (3-0-0 hrs) 3

In this course students develop writing and presentation skills. Students will apply rules of grammar, spelling, punctuation and mechanics in the development of letters, email and short reports as well as other documents relevant to their industry. Students will demonstrate strategies and techniques for creating informative and persuasive presentations.

SEMESTER 2

Course Credits
(Total Credits:15)

AGB 1000 Agricultural Value and Practices (3-0-3 hrs) 3

The focus of the course is to develop the learner's knowledge of the agricultural community and specifically of agricultural practices in Western Canada. The student will develop an appreciation for the time, input costs and infrastructure required to support a variety of agricultural enterprises. In addition to identifying common breeds of livestock and farm equipment, students will evaluate how energy developments impact selected agricultural practices.

LND 1001 Surface Rights & Land Applications (3-0-1 hrs) 3

Learners examine the workings of the judicial system in Alberta as it relates to the surface land acquisition process. Learners gain an appreciation for the amount of preparatory work required in appearing before a quasi-judicial board. Learners are able to explain and apply the requirements of the selected pieces of legislation used in the surface land business.

Pre-requisite : LND - 1009 :

LND 1010 Beyond Oil and Gas (3-0-0 hrs) 3

This course primarily focuses on electrical, pipeline, telecommunication and highway design and planning in concert with land rights acquisition. The acquisition of land and land rights for alternative energy sources, such as coal, geothermal, wind power and solar energy, will also be explored. Survey drawings and sketch plans will be applied to assist the student in planning and routing and the proper completion of compensation calculations and legal documents.

Pre-requisite : LND - 1009 :

LUP 2010 Land Planning & Appraisal (3-0-1 hrs) 3

This course evaluates the administration and valuation of rural property. Learners investigate the development of municipal government structures and assess their importance in the development of rural land. Major planning legislation and systems including on-farm processes are compared and contrasted. The appraisal of rural properties is examined as it applies to the duties and responsibilities of Surface Land Professionals.

COM 1030 Workplace Professionalism (3-0-0 hrs) 3

This course introduces students to strategies and techniques for managing self, interacting with others, advancing careers and making ethical decisions. Students develop action plans for professional success, create career documents to demonstrate strengths, skills and abilities and utilize an industry-specific case study to examine ethical issues.

SEMESTER 3

Course Credits
(Total Credits:15)

WTR 1330 Water Fundamentals (3-2-0 hrs) 3

This course is an introduction to the science and issues of water resource management. Topics include the properties of water, surface and groundwater hydrology, water quality standards, water quality analysis and sampling, and the protection of water resources.

GIS 1010 Site Maps & Interpretation (0-6-0 hrs) 3

Surface Land Professionals need to gather land information for the purposes of placement and routing of facilities. Students will access Internet sites and applications to gather land information. In the field, learners use GPS, selected measurement methods, field notes and sketches to navigate

and to collect site information. Project data is processed to prepare maps that include layers of GPS records, imagery and survey plans. Learners also interpret the symbols and contents used in maps, photos and survey plans. The course requires significant walking outdoors in a variety of weather conditions, using equipment to collect on-site data.

LND 2002 Advanced Regulations (3-1.5-0 hrs) 3

This course examines Federal and Provincial governmental requirements and issues important to land agents, land analysts, surface land owners, occupants, local authorities and managers. Learners will research issues impacting stakeholders including: setbacks, flaring, and emergency preparedness.

Pre-requisite : LND - 1001 :and

Pre-requisite : LND - 1004 :

LND 2007 Public Engagement (3-0-1 hrs) 3

The field work for Surface Land Professionals in the areas of Public Engagement has expanded exponentially in the past ten years. As regulatory expectations become more stringent and prescriptive, the demand for Surface Land Professionals to work in roles that address these requirements has led to new work opportunities. In addition to the new regulatory requirements, industry in general is striving to be more socially responsible and build positive corporate reputations globally, nationally and locally. At the local level, positive community relations is a key part of success, and Surface Land Professionals play a critical role in managing information exchange and resolving issues that arise. This course will prepare Surface Land Professionals with the depth of knowledge and skill needed to meet this growing demand.

Pre-requisite : LND - 1009 :

LND 2350 Land Negotiations and Ethics (3-0-2 hrs) 3

This course introduces learners to land industry ethics and land acquisition negotiations. Learners apply ethics and communication strategies to land negotiations and business relations. The course uses actual land industry case scenarios. Students will also be asked to participate in an industry based practicum placement during the winter mid-term break.

SEMESTER 4

Course Credits
(Total Credits:15)

LND 2008 Aboriginal Engagement (3-0-1 hrs) 3

A very specialized and rapidly growing area of public engagement is that of Aboriginal consultation and community engagement. While the fiduciary responsibility to consult has been a burden on the crown since the time of Confederation, the legislation and regulations requiring developers to play a direct role in this is relatively recent. Like public engagement, regulatory expectations related to Aboriginal consultation have expanded into complex and legally charged requirements. This is an area of specialized expertise that Surface Land Professionals may wish to pursue as a full-time career. This course will provide Surface Land Professionals with greater cultural awareness and the historical, political and legal background related to lands impacted by Aboriginal rights.

Pre-requisite : LND - 2007 :

LND 2020 Soils and Reclamation Principles (3-2-0 hrs) 3

This course is an overview of soil formation, soil properties and the distribution of prairie soil resources. Students will be introduced to soil classification, soil fertility and sustainable soil management as it applies to the reclamation of disturbed sites. This course will provide an overview of Alberta's reclamation criteria and current related legislation.

Pre-requisite : AGN - 1010 :and

Pre-requisite : LND - 1003 :

LND 2500 Land Negotiation Simulation (3-0-3 hrs) 3

In this course, learners are expected to manage their negotiations in a professional manner bringing forward their documentation skills and their ethical practices. Negotiation and communication skills are practiced in life-like contexts and may involve negotiating with people from outside the land agent program. Reflecting on their successes and failures as a communicator and a negotiator is an

expectation and an opportunity for growth.

Pre-requisite : AGB - 1000 :

Pre-requisite : LND - 2007 :and

Pre-requisite : LND - 2002 :

LND 2501 Surface Land Professional Preparation (3-0-1 hrs) 3

This course provides learners with an extensive review of selected competencies in order to help them prepare to write the Alberta government land agent license exams. The Alberta Land Agent reference manual, developed by the provincial Land Agent Advisory Committee, will be used to reinforce essential skills and knowledge. Students will also be required to complete an industry based practicum during the winter mid-term break and reflect on learning achieved during this experience.

Pre-requisite : AGB - 1000 :

Pre-requisite : LND - 2002 :and

Pre-requisite : LND - 2007 :

LND 2600 Land Project Management (3-0-3 hrs) 3

This course prepares learners to tackle large scale projects as a member of a team. Learners will use their previous course knowledge, network of contacts and problem solving skills to complete two full scale industry applications. They will be required to manage their time, use industry software and work as a team member to achieve their goal. Key components of the Project Management Cycle will be applied in real life application scenarios.

Pre-requisite : LND - 2002 :and

Pre-requisite : LND - 2007 :

Graduation Requirements

- Completion of 60 credits
- Completion of all required courses and credits as per Program of Study
- Cumulative G.P.A. of 2.00 or better
- Satisfactory completion of occupational experience and/or assignment, if required

Changes to this Program

Every effort has been made to ensure that information in this program is accurate at the time of publication. The College reserves the right to change programs if it becomes necessary so that program content remains relevant. In such cases, Olds College will provide clear and timely notice of the changes.

Effective Date: 09/01/2019 to Present

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Transitional Employment Program Certificate

Description

The Transitional Employment Program graduates will develop and practice employability skills and work towards personal independance.

Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. Demonstrate development of self-awareness.
2. Demonstrate conflict resolution skills.
3. Apply personal and financial management skills.
4. Develop effective communication skills.
5. Prepare personal resume/portfolio.
6. Develop strategies to obtain employment.
7. Demonstrate practical employability skills.
8. Develop basic computer skills.

Requirements:

Term 1 (Summer Semester)

Course Credits
(Total Credits:3)

TEP 1000 Transition to College Life (1-2-0) **3**

Students will develop an understanding of expectations and skills required to manage independently in the Transitional Employment Program. This course runs in August. This is a prerequisite to advance in the program.

Term 2 (Fall Semester)

Course Credits
(Total Credits:12)

TEP 1010 Transition to Workplace (1-2-0) **3**

Students will demonstrate skills to increase work effectiveness. Course content will develop personal organization, accountability and basic safety training for the work place.

Pre-requisite : TEP - 1000 :

TEP 1020 Financial Management (1-2-0) **3**

Students will work towards independant financial management by developing and maintaining a personal budget.

Pre-requisite : TEP - 1000 :

TEP 1030 Workplace Communications (1-2-0) **3**

Students will enhance communication skills.

Pre-requisite : TEP - 1000 :

TEP 1110 Work Experience I (1-2-0) **3**

Students will be provided with practical employment skills and hands-on training in suitable employment areas.

Pre-requisite : TEP - 1000 :

Term 3 (Winter Semester)

Course Credits
(Total Credits:12)

TEP 1040 Consumer Skills (1-2-0) 3

Students will establish skills needed for management of a self-sufficient lifestyle.

Pre-requisite : TEP - 1000 :

TEP 1050 Transition to Workplace II (1-2-0) 3

Students will examine personal opportunities toward obtaining gainful employment.

Pre-requisite : TEP - 1000 :

TEP 1060 Workplace Relations (1-2-0) 3

Students will develop skills to build and maintain employment relationships.

Pre-requisite : TEP - 1000 :

TEP 1120 Work Experience II (1-2-0) 3

Students will develop greater independence in practical hands-on training in suitable employment areas.

Pre-requisite : TEP - 1000 :

Pre-requisite : TEP - 1110 :

Term 4 (Spring Semester)

Course Credits
(Total Credits:3)

TEP 1130 Work Practicum (1-2-0) 3

Students will complete their final work practicum off campus with minimal contact from Olds College staff. Students will perform work place skills independently.

Pre-requisite : TEP - 1000 :

Pre-requisite : TEP - 1120 :

Graduation Requirements

- Completion of all required courses as per Program of Study
- Cumulative program G.P.A. of 2.00 or better
- Satisfactory completion of occupational experience and/or assignment, if required

Changes to this Program

Every effort has been made to ensure that information in this program is accurate at the time of publication. The College reserves the right to change programs if it becomes necessary so that program content remains relevant. In such cases, Olds College will provide clear and timely notice of the changes.

Effective Date: 07/15/2015 to Present

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Turfgrass Management Certificate

Description

The Olds College Turfgrass Management Certificate Program prepares its graduates to contribute within the turfgrass industry.

Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. Apply structured inquiry processes to think critically about challenges in the turfgrass industry.
2. Communicate effectively in a workplace environment.
3. Apply team-building collaborative philosophies to complete daily activities and/or assignments.
4. Demonstrate an introductory understanding of turfgrass science.
5. Discover sound agronomic practices.

Requirements:

TERM 1

Course Credits
(Total Credits:21)

TRF 1000 Succeeding in an Inquiry Based Learning Environment (3-0-0 hrs) **3**

Students assemble information, discover processes and apply techniques that prepare them for success in an inquiry based learning environment.

TRF 1620 Applying Environmental Principles for Pesticide Certification (3-0-0 hrs) **3**

Students achieve Federal Pesticide Assistant Certification through implementing safe handling, application and legislation of pesticides.

TRF 1660 Managing Sustainable Turfgrass Irrigation (3-0-0 hrs) **3**

Students discover, design and assemble irrigation components and systems implementing water conservation processes.

TRF 1210 Managing Turfgrass (3-0-0 hrs) **3**

Students discover the fundamental principles of turfgrass management identification, physiology and botany.

TRF 1730 Discovering Construction Principles (3-0-0 hrs) **3**

Students discover and implement fundamental construction and project management techniques.

COM 1020 Workplace Communication (3-0-0 hrs) **3**

In this course students develop writing and presentation skills. Students will apply rules of grammar, spelling, punctuation and mechanics in the development of letters, email and short reports as well as other documents relevant to their industry. Students will demonstrate strategies and techniques for creating informative and persuasive presentations.

TRF 1600 Developing Turfgrass Operational Strategies (3-0-0 hrs) **3**

Students develop operational strategies utilizing best management practices within the turfgrass industry.

TERM 2

Course Credits
(Total Credits:9)

TRF 1720 Turfgrass Field School I: Assessing Equipment Inventories and Practices (0-6-0 hrs) **3**

Students develop a plan to understand the equipment inventory and the individual roles that each piece of equipment has in turfgrass conditioning.

TRF 1740 Turfgrass Field School II: Discovering Cultural Practices (0-6-0 hrs) **3**

Students identify and analyze cultural practices as they relate to the turfgrass system.

Pre-requisite : TRF - 1720 :

TRF 1760 Turfgrass Field School III: Evaluating Playing Conditions (0-6-0 hrs) **3**

Students develop best management practices of playing conditions as they relate to course set-up, player experience and maintenance standards.

Pre-requisite : TRF - 1720 :and

Pre-requisite : TRF - 1740 :

Graduation Requirements

- Completion of 30 credits
- Completion of all required courses and credits as per Program of Study
- Cumulative program G.P.A. of 2.00 or better
- Satisfactory completion of occupational experience and/or assignment, if required

Changes to this Program

Every effort has been made to ensure that information in this program is accurate at the time of publication. The College reserves the right to change programs if it becomes necessary so that program content remains relevant. In such cases, Olds College will provide clear and timely notice of the changes.

Effective Date: 05/01/2018 to Present

Generated on: 3/4/2021 10:58:45 AM

Turfgrass Management Diploma

Description

The Olds College Turfgrass Management Diploma Program prepares its graduates to contribute to the growth and development of the turfgrass industry.

Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. Apply guided inquiry processes to think critically about probable solutions to industry challenges.
2. Communicate effectively in a workplace environment.
3. Articulate the environmental, economic and ethical implications of decisions and processes.
4. Demonstrate a deeper understanding of the turfgrass industry.
5. Analyze and assess sound agronomic practices.
6. Propose solutions to agronomic problems.
7. Apply self-directed learning activities to guide professional growth.
8. Apply team-building collaborative philosophies to complete daily activities and/or assignments.

Requirements:

TERM 1

Course Credits
(Total Credits:21)

TRF 1000 Succeeding in an Inquiry Based Learning Environment (3-0-0 hrs) 3

Students assemble information, discover processes and apply techniques that prepare them for success in an inquiry based learning environment.

TRF 1210 Managing Turfgrass (3-0-0 hrs) 3

Students discover the fundamental principles of turfgrass management identification, physiology and botany.

TRF 1600 Developing Turfgrass Operational Strategies (3-0-0 hrs) 3

Students develop operational strategies utilizing best management practices within the turfgrass industry.

TRF 1620 Applying Environmental Principles for Pesticide Certification (3-0-0 hrs) 3

Students achieve Federal Pesticide Assistant Certification through implementing safe handling, application and legislation of pesticides.

TRF 1660 Managing Sustainable Turfgrass Irrigation (3-0-0 hrs) 3

Students discover, design and assemble irrigation components and systems implementing water conservation processes.

TRF 1730 Discovering Construction Principles (3-0-0 hrs) 3

Students discover and implement fundamental construction and project management techniques.

COM 1020 Workplace Communication (3-0-0 hrs) 3

In this course students develop writing and presentation skills. Students will apply rules of grammar, spelling, punctuation and mechanics in the development of letters, email and short reports as well as other documents relevant to their industry. Students will demonstrate strategies and techniques for creating informative and persuasive presentations.

TERM 2

Course Credits
(Total Credits:9)

TRF 1720 Turfgrass Field School I: Assessing Equipment Inventories and Practices (0-6-0 hrs) 3

Students develop a plan to understand the equipment inventory and the individual roles that each piece of equipment has in turfgrass conditioning.

TRF 1740 Turfgrass Field School II: Discovering Cultural Practices (0-6-0 hrs) 3

Students identify and analyze cultural practices as they relate to the turfgrass system.

Pre-requisite : TRF - 1720 :

TRF 1760 Turfgrass Field School III: Evaluating Playing Conditions (0-6-0 hrs) 3

Students develop best management practices of playing conditions as they relate to course set-up, player experience and maintenance standards.

Pre-requisite : TRF - 1720 :and

Pre-requisite : TRF - 1740 :

TERM 3

Course Credits
(Total Credits:21)

TRF 2420 Managing Agronomic Environments (3-0-0 hrs) 3

Students develop strategies for turf care, related to management of a golf course, using data and observations collected from their field school activities.

TRF 2620 Procuring Pesticide Certification (3-0-0 hrs) 3

Students investigate preventative and curative applications for turfgrass pest management and achieve full regional pesticide application certification.

Pre-requisite : TRF - 1620 :

TRF 2640 Implementing Turfgrass Management Environmental Systems (3-0-0 hrs) 3

Students discover the principles of the Audubon Cooperative Sanctuary Program for a turfgrass facility.

TRF 2660 Evaluating Irrigation Environmental Efficiencies (3-0-0 hrs) 3

Students assess irrigation environmental impacts through irrigation auditing and central control software.

Pre-requisite : TRF - 1660 :

TRF 2730 Applying Specialty Turfgrass Construction Techniques (3-0-0 hrs) 3

Students discover, develop and implement specialty turfgrass construction elements.

Pre-requisite : TRF - 1730 :

TRF 2740 Evaluating Professional Standards (3-0-0 hrs) 3

Students evaluate frameworks necessary to implement turfgrass operational standards.

TRF 2800 Managing Turfgrass Soils (3-0-0 hrs) 3

Students assemble information and discover processes that influence sustainable methods in turfgrass soil management.

TERM 4 - INTERNSHIP

Course Credits
(Total Credits:9)

TRF 2810 Internship I: Evaluating Turfgrass Facility Infrastructure (0-6-0 hrs) 3

Students develop a plan to assess infrastructure requirements and the roles that infrastructure

element has in the turfgrass system.

TRF 2820 Internship II: Formulating Ecological System Diversification (0-6-0 hrs) **3**

Students implement technology to assemble and analyse turfgrass facility plant diversification to maintain or change the integrity of the original intent of the planting plan.

TRF 2830 Internship III: Evaluating Turfgrass Environmental Practices (0-6-0 hrs) **3**

Students identify and assess elements of an environmental position of a turfgrass facility and integrate their skills to defend, improve or change the position from a sustainable perspective.

Pre-requisite : TRF - 2640 :

Graduation Requirements

- Completion of 60 credits
- Completion of all required courses and credits as per Program of Study
- Cumulative program G.P.A. of 2.00 or better
- Satisfactory completion of occupational experience and/or assignment, if required

Changes to this Program

Every effort has been made to ensure that information in this program is accurate at the time of publication. The College reserves the right to change programs if it becomes necessary so that program content remains relevant. In such cases, Olds College will provide clear and timely notice of the changes.

Effective Date: 07/01/2020 to Present

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Veterinary Medical Receptionist Certificate

Description

The Veterinary Medical Receptionist Program at Olds College produces graduates who contribute to the goals and objectives of the veterinary profession by bringing their skills and their understanding of veterinary activities to a team environment.

Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. Explain veterinary procedures, protocols and materials.
2. Complete veterinary pharmaceutical procedures as directed by a veterinarian.
3. Explain infectious diseases and prevention.
4. Identify common breeds, behaviour and handling of selected species.
5. Identify the animal systems and components of Animal Health Management.
6. Interact professionally with clients and staff.
7. Utilize appropriate software.
8. Produce professional documents.
9. Provide veterinary customer service and client education. Communicate effectively within the animal health industry.

Requirements:

TERM 1

Course Credits
(Total Credits:15)

VMR 1010 Animal Health Systems and Management (3-3-0 hrs) **3**

Students will use terminology in veterinary medicine. Students will describe emergency and animal health management principles and procedures.

VMR 1020 Animal Breeds, Handling and Behavior (3-1-0 hrs) **3**

Different breeds and natural behaviors will be studied and students will identify species and breeds of domestic animals. Students will perform safe handling and restraint techniques on domestic animals.

AHT 1050 Introduction to the Veterinary Profession (3-0-0 hrs) **3**

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.

CMP 1100 Computer Applications I (3-0-0 hrs) **3**

Students will work with a variety of software, including selected Microsoft Office programs, to create and edit business documents. The exploration of various Apps and Web Design applications will provide students with a foundation for application of these technology tools for other courses and the workplace.

COM 1020 Workplace Communication (3-0-0 hrs) **3**

In this course students develop writing and presentation skills. Students will apply rules of grammar, spelling, punctuation and mechanics in the development of letters, email and short reports as well as other documents relevant to their industry. Students will demonstrate strategies and techniques for creating informative and persuasive presentations.

TERM 2

Course Credits
(Total Credits:12)

VMR 1510 Infectious Diseases and Prevention (3-0-0 hrs) 3

This course is a study of selected animal diseases, their treatments, and the duties performed in a pharmacy. Students will describe disease conditions of domestic animals and common pharmaceutical agents used in veterinary medicine. Students will review legislation regarding the use of pharmaceuticals. Students describe nutritional requirements for dogs and cats.

Pre-requisite : VMR - 1010 :

VMR 1520 Veterinary Procedures Awareness (3-0-0 hrs) 3

Students will recognize and describe common procedures performed in a veterinary hospital. Students will be introduced to veterinary ethics, with an emphasis on animal welfare issues. Critical thinking is applied to animal welfare situations in the pet industry, the livestock industry, and to animals used in research, in circuses and wildlife.

Pre-requisite : VMR - 1010 :and

Pre-requisite : VMR - 1020 :

VMR 1530 Reception Procedures in Veterinary Medicine (3-0-0 hrs) 3

Students will become familiar with appointment procedures commonly encountered in a veterinary practice. Students will demonstrate communication skills used in a variety of case studies unique to dealing with clients of a veterinary practice. They will describe protocols for inventory and marketing products and services and will explain services offered by specific animal health sectors.

Pre-requisite : AHT - 1050 :

VMR 1550 Veterinary Practice Software (3-3-0 hrs) 3

Using a relational database, students will design data tables, select appropriate data types and relate tables logically. Students will create and modify database objects including tables, forms, reports and queries. They will apply core skills to streamline data entry, ensure data integrity, automate tasks and analyse data. Students will use a selection of veterinary specific software.

Pre-requisite : CMP - 1100 :

TERM 3

Course Credits
(Total Credits:3)

VMR 2950 Industry Practicum (1-0-0 hrs) 3

Students spend 4 weeks (160 hours) in a veterinary hospital or related institution where they apply competencies acquired during their education and training in the VMR program. Students will prepare for their industry practicum by utilizing job searching techniques, cover letter and resume writing to secure a placement for their industry practicum.

Pre-requisite : Pass all required courses and have a cumulative GPA at or above that required for graduation.

Graduation Requirements

- Completion of 30 credits
- Completion of all required courses and credits as per Program of Study
- Cumulative program G.P.A. of 2.00 or better
- Satisfactory completion of occupational experience and/or assignment, if required

Changes to this Program

Every effort has been made to ensure that information in this program is accurate at the time of publication. The College reserves the right to change programs if it becomes necessary so that program content remains relevant. In such cases, Olds College will provide clear and timely notice of the changes.

Effective Date: 07/01/2018 to Present

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Veterinary Technical Assistant Certificate

Description

This program focuses on providing education and training to people interested in providing support in an animal health setting.

Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. Work confidently with small animals to provide care in a hospital setting.
2. Understand basic veterinary terminology.
3. Understand common medical and surgical procedures in veterinary medicine.
4. Identify, care for and maintain veterinary equipment and instruments.
5. Provide basic care and husbandry to cats/dogs.
6. Work professionally in a veterinary setting.

Requirements:

Required Courses

Course Credits
(Total Credits:15)

AHT 1050 Introduction to the Veterinary Profession (3-0-0 hrs) 3

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.

VTA 6010 Small Animal Restraint and Handling (3-3-0 hrs) 3

This course will provide students with knowledge of breeds and behaviors of domestic cats and dogs. Students will learn and apply small animal handling and restraint techniques.

VTA 6020 Principles of Veterinary Clinical Procedures (3-0-0 hrs) 3

Students will describe principles of common small animal surgeries and clinical procedures routinely performed in veterinary practices.

VTA 6030 Veterinary Equipment and Instrumentation (3-3-0 hrs) 3

Students will describe common biosecurity protocols used in veterinary practice. This course will review veterinary instruments and their care and maintenance. Students will complete WHMIS training.

VTA 6040 Veterinary Patient Preparation and Husbandry (3-0-0 hrs) 3

This course will provide students with knowledge of the roles of all veterinary team members. Principles of surgical preparation, husbandry and post surgical care of dogs and cats will be discussed. Students will review the importance of medical records.

Graduation Requirements

- Completion of 15 credits
- Completion of all required courses and credits as per Program of Study
- Cumulative program G.P.A. of 2.00 or better

- Satisfactory completion of occupational experience and/or assignment, if required

Changes to this Program

Every effort has been made to ensure that information in this program is accurate at the time of publication. The College reserves the right to change programs if it becomes necessary so that program content remains relevant. In such cases, Olds College will provide clear and timely notice of the changes.

Effective Date: 05/01/2014 to Present

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2020-21 PROGRAM DATES, FEES and BOOKS AND SUPPLIES

CERTIFICATE, DIPLOMA, APPLIED DEGREE programs, OPEN STUDIES and TRANSITIONAL EMPLOYMENT

The College reserves the right to change, amend or alter this information as necessary without notice or prejudice. Please be aware tuition, fees and books are subject to adjustment each year.

Fees are estimates by program and term, based on a full course load. Actual fees are specific to each students and billed to the My Olds College account approximately one month prior to each term start date.

Term Payment Deadline: due on the first Friday after the term start date.

A $200.00 late fee will be charged to the student account for any and all fees not paid by the payment deadline.

Books and supplies are purchased directly by the student, and are not billed to the My Olds College account.

PROGRAM INFORMATION									TUITION			FEES						BOOKS & SUPPLIES	TOTALS	
												College Fees		SAOC Fees						
Program	Program Start	Year of Study	Term	Calendar Term	Start Date	End Date	Fee Payment Deadline	Location	Domestic Tution	International Tuition	Program Fee	Student Services Fee	Athletics and Recreation Fee	SAOC Fee	Building Fund Fee	SS & CE	Health & Dental	Books and Supplies Estimate	TOTAL - DOMESTIC	TOTAL - INTERNATIONAL
Agricultural and Heavy Equipment Certificate	Fall 2020	1	1	Fall	8-Sep-2020	18-Dec-2020	11-Sep-2020	Olds Campus	$2,343.30	$8,201.55		$187.50	$83.66	$124.05	$35.70	$6.87	$350.00	$4,000.00	$7,131.08	$12,989.33
			2	Winter	11-Jan-2021	30-Apr-2021	15-Jan-2021	Blended*	$2,343.30	$8,201.55		$187.50	$83.66	$124.05	$28.56	$6.87		$200.00	$2,973.94	$8,832.19
	*Based on 4 courses with on-campus requirments																			
Agricultural and Heavy Equipment Diploma	Fall 2020	2	3	Fall	8-Sep-2020	18-Dec-2020	11-Sep-2020	Olds Campus	$2,343.30	$7,498.50		$187.50	$83.66	$124.05	$35.70	$6.87	$350.00	$780.00	$3,911.08	$9,066.28
			4	Winter	11-Jan-2021	30-Apr-2021	15-Jan-2021	Blended*	$2,343.30	$7,498.50		$187.50	$83.66	$124.05	$28.56	$6.87		$290.00	$3,063.94	$8,219.14
	*Based on 4 courses with on-campus requirments																			
Agricultural Management	Fall 2020	1	1	Fall	8-Sep-2020	18-Dec-2020	11-Sep-2020	Online	$2,343.30	$8,201.55		$187.50		$124.05			$350.00	$2,000.00	$5,004.85	$10,863.10
			2	Winter	11-Jan-2021	30-Apr-2021	15-Jan-2021	Blended*	$2,343.30	$8,201.55		$187.50	$41.83	$124.05	$14.28	$6.87		$300.00	$3,017.83	$8,876.08
	*Based 2 courses with optional on-campus components																			
Agricultural Management	Fall 2019	2	3	Fall	8-Sep-2020	18-Dec-2020	11-Sep-2020	Blended*	$2,343.30	$7,498.50		$187.50	$83.66	$124.05	$21.42	$6.87	$350.00	$400.00	$3,516.80	$8,672.00
			4	Winter	11-Jan-2021	30-Apr-2021	15-Jan-2021	Blended**	$2,343.30	$7,498.50		$187.50	$41.83	$124.05	$14.28	$6.87		$500.00	$3,217.83	$8,373.03
	*Based on 2 courses with on-campus requirements **Based on 2 coueses with on-campus requirements																			
Agriculture Technology Integration Post Diploma Certificate	Fall 2020	1	1	Fall	8-Sep-2020	18-Dec-2020	11-Sep-2020	Online	$2,343.30	$8,201.55		$187.50		$124.05			$350.00	$750.00	$3,754.85	$9,613.10
			2	Winter	11-Jan-2021	30-Apr-2021	15-Jan-2021	Online	$2,343.30	$8,201.55		$187.50		$124.05				$750.00	$3,404.85	$9,263.10
Animal Health Technology	Summer 2019	2	4	Fall	8-Sep-2020	18-Dec-2020	11-Sep-2020	Blended*	$2,190.00	$7,008.00	$656.67	$108.75	$83.66	$124.05	$28.56	$6.87	$350.00	$500.00	$4,048.56	$8,866.56
			5	Winter	11-Jan-2021	19-Feb-2021	15-Jan-2021	Off Campus	$468.66	$1,499.70		$37.50		$24.81				$100.00	$630.97	$1,662.01
	*4 courses with on-campus requirements. On-Campus - October 19 - November 27																			
Animal Health Technology	Fall 2019	1	3	Fall	8-Sep-2020	18-Dec-2020	11-Sep-2020	Blended*	$2,628.00	$8,409.60	$656.67	$130.50	$83.66	$148.86	$21.42	$6.87	$350.00	$500.00	$4,525.98	$10,307.58
		2	4	Winter	11-Jan-2021	30-Apr-2021	15-Jan-2021	Blended**	$2,343.30	$7,498.56	$702.63	$187.50	$83.66	$124.05	$35.70	$6.87		$500.00	$3,983.71	$9,138.97
			5	Spring	3-May-2021	11-Jun-2021	7-May-2021	Off Campus	$468.66	$1,499.70		$37.50		$24.81				$100.00	$630.97	$1,662.01
	*4 courses with on-campus requirements. On-Campus - October 19 - November 27 ** On-campus - January 25 - April 30 (April 12 to April 30 will be Blended Delivery)																			
Animal Health Technology	Winter 2020	1	2	Summer	31-Aug-2020	11-Dec-2020	4-Sep-2020	Blended*	$2,628.00	$8,409.60	$656.67	$130.50	$83.66	$148.86	$21.42	$6.87		$500.00	$4,175.98	$9,957.58
			3	Winter	11-Jan-2021	30-Apr-2021	15-Jan-2021	Blended**	$2,811.96	$8,998.27	$702.63	$225.00	$83.66	$148.86	$42.84	$6.87	$350.00	$500.00	$4,871.82	$11,058.13
		2	4	Spring	3-May-2021	13-Aug-2021	7-May-2021	Olds Campus	$2,343.30	$7,498.50	$702.63	$187.50	$83.66	$124.05	$35.70	$6.87		$500.00	$3,983.71	$9,138.91
	*3 courses with on-campus requirements. On-Campus - September 8 - October 16 ** On-campus - January 25 - April 2																			
Animal Health Technology	Summer 2020	1	1	Summer	29-Jun-2020	4-Sep-2020	3-Jul-2020	Online	$937.32	$3,280.62		$75.00		$49.62			$350.00	$100.00	$1,511.94	$3,855.24
			2	Winter	4-Jan-2021	30-Apr-2021	8-Jan-2021	Blended*	$2,811.96	$9,841.86	$702.63	$225.00	$83.66	$148.86	$42.84	$6.87		$500.00	$4,521.82	$11,551.72
			3	Spring	3-May-2021	13-Aug-2021	7-May-2021	Olds Campus	$2,811.96	$9,841.86	$702.63	$225.00	$83.66	$148.86	$42.84	$6.87		$500.00	$4,521.82	$11,551.72
	*On-campus - January 11 to February 28																			
Animal Health Technology	Fall 2020	1	1	Fall	26-Oct-2020	18-Dec-2020	30-Oct-2020	Online	$937.32	$3,280.62		$75.00		$49.62			$350.00	$100.00	$1,511.94	$3,855.24
			2	Spring	3-May-2021	13-Aug-2021	7-May-2021	Olds Campus	$2,811.96	$9,841.86	$702.63	$225.00	$83.66	$148.86	$42.84	$6.87		$500.00	$4,521.82	$11,551.72
Apparel Technology (Fashion Apparel Major)	Fall 2019	2	3	Fall	8-Sep-2020	18-Dec-2020	11-Sep-2020	Online	$2,343.30	$7,498.50		$187.50		$124.05			$350.00	$605.00	$3,609.85	$8,765.05
			4	Winter	11-Jan-2021	23-Apr-2021	15-Jan-2021	Calgary Campus/Blended*	$2,343.30	$7,498.50		$187.50		$124.05				$803.00	$3,457.85	$8,613.05
	*Based on 4 courses with on-campus requirements.																			
Apparel Technology (Costume Cutting and Construction Major)	Fall 2019	2	3	Fall	8-Sep-2020	18-Dec-2020	11-Sep-2020	Online	$2,343.30	$7,498.50		$187.50		$124.05			$350.00	$1,023.00	$4,027.85	$9,183.05
			4	Winter	11-Jan-2021	23-Apr-2021	15-Jan-2021	Calgary Campus	$937.32	$2,999.42		$75.00		$49.62				$1,073.00	$2,134.94	$4,197.04
			5	Spring	28-Apr-2021	9-Jul-2021	30-Apr-2021	Calgary Campus	$1,405.98	$4,499.14		$112.50		$74.43					$1,592.91	$4,686.07
Arboriculture Technician	Winter 2021	1	1	Winter	11-Jan-2021	30-Apr-2021	15-Jan-2021	Blended*	$2,343.30	$8,201.55		$187.50	$83.66	$124.05	$35.70	$6.87	$350.00	$500.00	$3,631.08	$9,489.33
	*Based on 5 courses with on-campus requirements																			
Bachelor of Applied Science - Agribusiness	Fall 2020	3	1	Fall	8-Sep-2020	18-Dec-2020	11-Sep-2020	Online	$2,811.96	$9,841.86		$225.00		$148.86			$350.00	$1,250.00	$4,785.82	$11,815.72
		3	2	Winter	11-Jan-2021	30-Apr-2021	15-Jan-2021	Online	$1,874.64	$6,561.24		$150.00		$99.24				$400.00	$2,523.88	$7,210.48
	Various	4	DFS	Various	Various	Various	50% upon registration 50% 6 mths after registration	Off Campus	$3,515.10	$12,302.85*		$375.00		$248.10					$4,138.20	$12,925.95

2020-21 PROGRAM DATES, FEES and BOOKS AND SUPPLIES

CERTIFICATE, DIPLOMA, APPLIED DEGREE programs, OPEN STUDIES and TRANSITIONAL EMPLOYMENT

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PROGRAM INFORMATION									TUITION			FEES						BOOKS & SUPPLIES	TOTALS	
												College Fees		SAOC Fees						
Program	Program Start	Year of Study	Term	Calendar Term	Start Date	End Date	Fee Payment Deadline	Location	Domestic Tution	International Tuition	Program Fee	Student Services Fee	Athletics and Recreation Fee	SAOC Fee	Building Fund Fee	SS & CE	Health & Dental	Books and Supplies Estimate	TOTAL - DOMESTIC	TOTAL - INTERNATIONAL
Bachelor of Applied Science - Golf Course Management	Fall 2020	3	1	Fall	2-Nov-2020	18-Dec-2020	6-Nov-2020	Online	$1,405.98	$4,920.93		$112.50		$74.43			$350.00	$250.00	$2,192.91	$5,707.86
		3	2	Winter	11-Jan-2021	7-May-2021	15-Jan-2021	Online	$3,280.62	$11,482.17		$262.50		$173.67				$250.00	$3,966.79	$12,168.34
	Various	4	DFS	Various	Various	Various	50% upon registration 50% 6 mths after registration	Off Campus	$3,515.10	$12,302.85*		$375.00		$248.10					$4,138.20	$12,925.95
Bachelor of Applied Science - Horticulture	Fall 2020	3	1	Fall	2-Nov-2020	18-Dec-2020	6-Nov-2020	Online	$1,405.98	$4,920.93		$112.50		$74.43			$350.00	$250.00	$2,192.91	$5,707.86
			2	Winter	11-Jan-2021	30-Apr-2021	15-Jan-2021	Blended*	$2,343.30	$8,201.55		$187.50	$83.66	$124.05	$28.56	$6.87		$250.00	$3,023.94	$8,882.19
			3	Spring	3-May-2021	25-Jun-2021	7-May-2021	Online	$468.66	$1,640.31		$37.50		$24.81					$530.97	$1,702.62
	*Based on 4 courses with on-campus requirements																			
	Fall 2019	4	4	Fall	8-Sep-2020	30-Oct-2020	11-Sep-2020	Online	$468.66	$1,640.31		$37.50		$24.81					$530.97	$1,702.62
	Various	4	DFS	Various	Various	Various	50% upon registration 50% 6 mths after registration	Off Campus	$3,515.10	$12,302.85*		$375.00		$248.10					$4,138.20	$12,925.95
Brewmaster & Brewery Operations Management	Fall 2020	1	1	Fall	8-Sep-2020	18-Dec-2020	11-Sep-2020	Blended*	$2,343.30	$8,201.55	$436.03	$187.50	$83.66	$124.05	$35.70	$6.87	$350.00	$500.00	$4,067.11	$9,925.36
			2	Winter	11-Jan-2021	30-Apr-2021	15-Jan-2021	Blended**	$2,343.30	$8,201.55	$436.03	$187.50	$83.66	$124.05	$28.56	$6.87		$500.00	$3,709.97	$9,568.22
	*5 coures with on-campus requirements **Based on 4 courses with on-campus requirements																			
	Fall 2019	2	3	Fall	8-Sep-2020	18-Dec-2020	11-Sep-2020	Blended*	$2,343.30	$7,498.50	$436.03	$187.50	$83.66	$124.05	$21.42	$6.87	$350.00	$500.00	$4,052.83	$9,208.03
			4	Winter	11-Jan-2021	30-Apr-2021	15-Jan-2021	Blended**	$2,343.30	$7,498.50	$436.03	$187.50	$83.66	$124.05	$35.70	$6.87			$3,217.11	$8,372.31
	*3 coures with on-campus requirements **Based on 5 courses with on-campus requirements																			
Business Management Certificate	Fall 2020	1	1	Fall	8-Sep-2020	18-Dec-2020	11-Sep-2020	Online	$2,343.30	$8,201.55		$187.50		$124.05			$350.00	$1,250.00	$4,254.85	$10,113.10
			2	Winter	11-Jan-2021	30-Apr-2021	15-Jan-2021	Online	$2,343.30	$8,201.55		$187.50		$124.05				$750.00	$3,404.85	$9,263.10
Business Management Diploma - General Management Major	Fall 2019	2	3	Fall	8-Sep-2020	18-Dec-2020	11-Sep-2020	Online	$2,343.30	$7,498.50		$187.50		$124.05			$350.00	$1,250.00	$4,254.85	$9,410.05
			4	Winter	11-Jan-2021	30-Apr-2021	15-Jan-2021	Online	$2,343.30	$7,498.50		$187.50		$124.05				$750.00	$3,404.85	$8,560.05
Business Management Diploma - Sports Management Major	Fall 2020	1	1	Fall	8-Sep-2020	18-Dec-2020	11-Sep-2020	Online	$2,343.30	$8,201.55		$187.50		$124.05			$350.00	$1,250.00	$4,254.85	$10,113.10
			2	Winter	11-Jan-2021	30-Apr-2021	15-Jan-2021	Online	$2,343.30	$8,201.55		$187.50		$124.05				$750.00	$3,404.85	$9,263.10
	Fall 2019	2	3	Fall	8-Sep-2020	18-Dec-2020	11-Sep-2020	Online	$2,343.30	$7,498.56		$187.50		$124.05			$350.00	$1,250.00	$4,254.85	$9,410.11
			4	Winter	11-Jan-2021	30-Apr-2021	15-Jan-2021	Online	$2,343.30	$7,498.56		$187.50		$124.05				$750.00	$3,404.85	$8,560.11
Equine Reproduction Technician	Fall 2020	1	1	Fall	26-Oct-2020	18-Dec-2020	30-Oct-2020	Online	$937.32	$3,280.62		$75.00		$49.62			$350.00	$500.00	$1,911.94	$4,255.24
			2	Winter	11-Jan-2021	25-Jun-2021	15-Jan-2021	Blended*	$3,749.28	$13,122.48		$300.00	$83.66	$198.48	$42.84	$6.87		$500.00	$4,881.13	$14,254.33
	*Online - Jan 11 to March 5, On Campus - March 15 to June 25																			
Equine Science	Fall 2019	2	3	Fall	8-Sep-2020	18-Dec-2020	11-Sep-2020	Online	$2,343.30	$7,498.50	$222.03	$187.50		$124.05			$350.00	$750.00	$3,976.88	$9,132.08
			4	Winter	11-Jan-2021	30-Apr-2021	15-Jan-2021	Olds Campus	$2,343.30	$7,498.50	$222.03	$187.50	$83.66	$124.05	$35.70	$6.87		$750.00	$3,753.11	$8,908.31
Farrier Science	Fall 2020	1	1	Fall	8-Sep-2020	18-Dec-2020	11-Sep-2020	Blended*	$2,343.30	$8,201.55	$88.28	$187.50	$83.66	$124.05	$21.42	$6.87	$350.00	$3,375.00	$6,580.08	$12,438.33
			2	Winter	11-Jan-2021	30-Apr-2021	15-Jan-2021	Blended**	$2,343.30	$8,201.55	$88.28	$187.50	$83.66	$124.05	$28.56	$6.87		$200.00	$3,062.22	$8,920.47
	*3 courses with on-campus requirements **Based on 4 courses with on-campus requirements																			
Heavy Equipment Operator	Fall 2020	1	1	Fall	8-Sep-2020	27-Nov-2020	11-Sep-2020	Blended	$11,759.40	$41,157.90		$187.50		$124.05				$1,000.00	$13,070.95	$42,469.45
	Winter 2021	1	1	Winter	8-Mar-2021	28-May-2021	12-Mar-2021	Olds Campus	$11,759.40	$41,157.90		$187.50		$124.05				$1,000.00	$13,070.95	$42,469.45
	Various	1	DFS	Various	Various	Various	Various	Off Campus												

2020-21 PROGRAM DATES, FEES and BOOKS AND SUPPLIES

CERTIFICATE, DIPLOMA, APPLIED DEGREE programs, OPEN STUDIES and TRANSITIONAL EMPLOYMENT

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PROGRAM INFORMATION									TUITION			FEES							BOOKS & SUPPLIES	TOTALS	
												College Fees		SAOC Fees							
Program	Program Start	Year of Study	Term	Calendar Term	Start Date	End Date	Fee Payment Deadline	Location	Domestic Tution	International Tuition	Program Fee	Student Services Fee	Athletics and Recreation Fee	SAOC Fee	Building Fund Fee	SS & CE	Health & Dental		Books and Supplies Estimate	TOTAL - DOMESTIC	TOTAL - INTERNATIONAL
Horticulture Technologist	Fall 2020	1	1	Fall	8-Sep-2020	18-Dec-2020	11-Sep-2020	Blended*	$1,874.64	$6,561.24		$150.00	$83.66	$99.24	$21.42	$6.87	$350.00		$750.00	$3,335.83	$8,022.43
			2	Winter	11-Jan-2021	30-Apr-2021	15-Jan-2021	Blended**	$2,343.30	$8,201.55		$187.50	$83.66	$124.05	$35.70	$6.87			$400.00	$3,181.08	$9,039.33
			3	Spring	3-May-2021	2-Jul-2021	7-May-2021	Off Campus	$468.66	$1,640.31		$37.50		$24.81						$530.97	$1,702.62
	*3 courses with on-campus requirements **Based on 5 courses with on-campus requirements																				
	Fall 2019	2	4	Summer	29-Jun-2020	21-Aug-2020	3-Jul-2020	Off Campus	$468.66	$1,499.71		$37.50		$24.81						$530.97	$1,562.02
			5	Fall	8-Sep-2020	18-Dec-2020	11-Sep-2020	Blended*	$1,405.98	$4,499.10		$112.50	$41.83	$74.43	$14.28	$6.87	$350.00		$400.00	$2,405.89	$5,499.01
	*Sept 8 to Oct 30 - Off Campus, Nov 2 to Dec 18 - ARB 1200 & HRT 2100 will have on-campus requriements, HRT 2250 will be online																				
	Fall 2019	2	6	Winter	11-Jan-2021	04/30/2021	15-Jan-2021	Blended*	$2,811.96	$8,998.20		$225.00	$83.66	$148.86	$35.70	$6.87			$400.00	$3,712.05	$9,898.29
	*Based on 5 courses with on-campus requirements																				
Hospitality & Tourism Management - Accelerated Delivery	Summer 2020	1	1	Summer	17-Aug-2020	4-Sep-2020	21-Aug-2020	Online	$937.32	$3,280.62	$750.00	$75.00		$49.62			$350.00			$2,161.94	$4,505.24
			2	Fall	8-Sep-2020	16-Dec-2020	11-Sep-2020	Online	$3,749.28	$13,122.48	$750.00	$300.00		$198.48					$568.00	$5,565.76	$14,938.96
			3	Winter	11-Jan-2021	29-Apr-2021	15-Jan-2021	Olds Campus	$3,280.62	$11,482.17	$854.00	$262.50	$83.66	$173.67	$42.84	$6.87			$568.00	$5,272.16	$13,473.71
		2	4	Spring	30-Apr-2021	30-Sep-2021	30-Apr-2021	Off Campus	$937.32	$3,280.62		$75.00		$49.62						$1,061.94	$3,405.24
	Summer 2019	2	5	Winter	3-Feb-2021	5-Mar-2021	5-Feb-2021	Blended	$468.66	$1,499.71		$37.50		$24.81						$530.97	$1,562.02
Hospitality & Tourism Management - Two Year Delivery	Summer 2020	1	1	Summer	17-Aug-2020	4-Sep-2020	21-Aug-2020	Online	$937.32	$3,280.62	$750.00	$75.00		$49.62			$350.00			$2,161.94	$4,505.24
			2	Fall	8-Sep-2020	9-Dec-2020	11-Sep-2020	Online	$2,343.30	$8,201.55	$750.00	$187.50		$124.05					$568.00	$3,972.85	$9,831.10
			3	Winter	11-Jan-2021	29-Apr-2021	15-Jan-2021	Olds Campus	$2,811.96	$9,841.86	$854.00	$225.00	$83.66	$148.86	$42.84	$6.87			$568.00	$4,741.19	$11,771.09
	Summer 2019	2	4	Fall	8-Sep-2020	10-Dec-2020	11-Sep-2020	Online	$1,405.98	$4,499.14		$112.50		$74.43			$350.00			$1,942.91	$5,036.07
			5	Winter	11-Jan-2021	31-Mar-2021	15-Jan-2021	Olds Campus	$937.32	$2,999.40		$75.00	$41.83	$49.62	$14.28	$6.87			$568.00	$1,692.92	$3,755.00
			6	Spring	6-Apr-2021	30-Sep-2021	9-Apr-2021	Off Campus	$937.32	$2,999.40		$75.00		$49.62						$1,061.94	$3,124.02
Land and Water Resources - 1st Year, Both Majors	Fall 2020	1	1	Fall	8-Sep-2020	18-Dec-2020	11-Sep-2020	Blended*	$2,343.30	$8,201.55		$187.50	$83.66	$124.05	$35.70	$6.87	$350.00		$1,300.00	$4,431.08	$10,289.33
			2	Winter	11-Jan-2021	30-Apr-2021	15-Jan-2021	Blended**	$2,343.30	$8,201.55		$187.50	$41.83	$124.05	$14.28	$6.87			$100.00	$2,817.83	$8,676.08
	*5 courses with on campus requirements **Based on 2 courses with on-campus requirements																				
Land and Water Resources - 2nd Year, Land Reclamation and Remediation Major	Fall 2019	2	3	Fall	8-Sep-2020	18-Dec-2020	11-Sep-2020	Blended*	$2,343.30	$7,498.50		$187.50	$83.66	$124.05	$21.42	$6.87	$350.00		$300.00	$3,416.80	$8,572.00
			4	Winter	11-Jan-2021	30-Apr-2021	15-Jan-2021	Blended**	$2,343.30	$7,498.50		$187.50	$83.66	$124.05	$35.70	$6.87			$100.00	$2,881.08	$8,036.28
	*3 courses with on campus requirements **Based on 5 courses with on-campus requirements																				
Land and Water Resources - 2nd Year, Environmental Stewardship and Rural Planning Major	Fall 2019	2	3	Fall	8-Sep-2020	18-Dec-2020	11-Sep-2020	Blended*	$2,343.30	$7,498.50		$187.50	$41.83	$124.05	$14.28	$6.87	$350.00		$300.00	$3,367.83	$8,523.03
			4	Winter	11-Jan-2021	30-Apr-2021	15-Jan-2021	Blended**	$2,343.30	$7,498.50		$187.50	$83.66	$124.05	$35.70	$6.87			$100.00	$2,881.08	$8,036.28
	* 2 courses with on campus requirements **Based on 5 courses with on-campus requirements																				
Meat Processing	Fall 2020	1	1	Fall	8-Sep-2020	18-Dec-2020	11-Sep-2020	Blended	$2,343.30	$8,201.55		$187.50	$83.66	$124.05	$35.70	$6.87	$350.00		$1,100.00	$4,231.08	$10,089.33
	Winter 2021	1	1	Winter	11-Jan-2021	30-Apr-2021	15-Jan-2021	Olds Campus	$2,343.30	$8,201.55		$187.50	$83.66	$124.05	$35.70	$6.87	$350.00		$1,100.00	$4,231.08	$10,089.33
	Spring 2021	1	1	Spring	10-May-2021	20-Aug-2021	14-May-2021	Olds Campus	$2,343.30	$8,201.55		$187.50	$83.66	$124.05	$35.70	$6.87	$350.00		$1,100.00	$4,231.08	$10,089.33
Open Studies	Fall 2020	1	1	Fall	8-Sep-2020	18-Dec-2020	11-Sep-2020	Online/Blended	$2,343.30	$8,201.55		$187.50	$83.66	$124.05	$35.70	$6.87	$350.00		$750.00	$3,881.08	$9,739.33
Open Studies	Winter 2021	1	1	Winter	11-Jan-2021	30-Apr-2021	15-Jan-2021	Online/Blended	$2,343.30	$8,201.55		$187.50	$83.66	$124.05	$35.70	$6.87	$350.00		$750.00	$3,881.08	$9,739.33
Post Diploma Certificate - Agriculture (Dates and Fees may vary depending on course selection)	Fall 2020	1	1	Fall	8-Sep-2020	18-Dec-2020	11-Sep-2020	Online/Blended	$2,343.30	$8,201.55		$187.50	$83.66	$124.05	$35.70	$6.87	$350.00		$750.00	$3,881.08	$9,739.33
				Winter	11-Jan-2021	30-Apr-2021	15-Jan-2021	Online/Blended	$2,343.30	$8,201.55		$187.50	$83.66	$124.05	$35.70	$6.87			$750.00	$3,531.08	$9,389.33
Post Diploma Certificate - Agribusiness (Dates and Fees may vary depending on course selection)	Fall 2020	1	1	Fall	8-Sep-2020	18-Dec-2020	11-Sep-2020	Online/Blended	$2,343.30	$8,201.55		$187.50	$83.66	$124.05	$35.70	$6.87	$350.00		$750.00	$3,881.08	$9,739.33
				Winter	11-Jan-2021	30-Apr-2021	15-Jan-2021	Online/Blended	$2,343.30	$8,201.55		$187.50	$83.66	$124.05	$35.70	$6.87			$750.00	$3,531.08	$9,389.33
Post Diploma Certificate - Environment (Dates and Fees may vary depending on course selection)	Fall 2020	1	1	Fall	8-Sep-2020	18-Dec-2020	11-Sep-2020	Online/Blended	$2,343.30	$8,201.55		$187.50	$83.66	$124.05	$35.70	$6.87	$350.00		$750.00	$3,881.08	$9,739.33
				Winter	11-Jan-2021	30-Apr-2021	15-Jan-2021	Online/Blended	$2,343.30	$8,201.55		$187.50	$83.66	$124.05	$35.70	$6.87			$750.00	$3,531.08	$9,389.33
Post Diploma Certificate - Horticulture (Dates and Fees may vary depending on course selection)	Fall 2020	1	1	Fall	8-Sep-2020	18-Dec-2020	11-Sep-2020	Online/Blended	$2,343.30	$8,201.55		$187.50	$83.66	$124.05	$35.70	$6.87	$350.00		$750.00	$3,881.08	$9,739.33
				Winter	11-Jan-2021	30-Apr-2021	15-Jan-2021	Online/Blended	$2,343.30	$8,201.55		$187.50	$83.66	$124.05	$35.70	$6.87			$750.00	$3,531.08	$9,389.33
Pre-Emp. Heavy Equipment Tech.	Fall 2020	1	1	Fall	8-Sep-2020	27-Nov-2020	11-Sep-2020	Olds Campus	$5,387.10	$18,854.85		$187.50	$83.66	$124.05	$35.70	$6.87			$290.00	$6,114.88	$19,582.63
	Winter 2021	1	1	Winter	1-Mar-2021	21-May-2021	5-Mar-2021	Olds Campus	$5,387.10	$18,854.85		$187.50	$83.66	$124.05	$35.70	$6.87			$290.00	$6,114.88	$19,582.63
Pre-Emp. Motorcycle Mechanic	Winter 2021	1	1	Winter	1-Feb-2021	23-Apr-2021	5-Feb-2021	Olds Campus	$5,974.80	$20,911.80		$187.50	$83.66	$124.05	$35.70	$6.87			$320.00	$6,732.58	$21,669.58
Pre-Emp. Welder	Fall 2020	1	1	Fall	28-Sep-2020	18-Dec-2020	2-Oct-2020	Olds Campus	$6,438.30	$22,534.05		$187.50	$83.66	$124.05	$35.70	$6.87			$290.00	$7,166.08	$23,261.83
	Winter 2021	1	1	Winter	1-Feb-2021	23-Apr-2021	5-Feb-2021	Olds Campus	$6,438.30	$22,534.05		$187.50	$83.66	$124.05	$35.70	$6.87			$290.00	$7,166.08	$23,261.83
Precision Agriculture - Techgronomy Diploma	Fall 2020	1	1	Fall	8-Sep-2020	18-Dec-2020	11-Sep-2020	Online	$2,343.30	$8,201.55	$350.00	$187.50		$124.05			$350.00		$750.00	$4,104.85	$9,963.10
			2	Winter	11-Jan-2021	30-Apr-2021	15-Jan-2021	Online	$2,343.30	$8,201.55	$350.00	$187.50		$124.05					$750.00	$3,754.85	$9,613.10
			3	Spring	3-May-2021	3-Sep-2021	7-May-2021	Off Campus	$468.66	$1,640.31		$37.50		$24.81						$530.97	$1,702.62

2020-21 PROGRAM DATES, FEES and BOOKS AND SUPPLIES

CERTIFICATE, DIPLOMA, APPLIED DEGREE programs, OPEN STUDIES and TRANSITIONAL EMPLOYMENT

The College reserves the right to change, amend or alter this information as necessary without notice or prejudice. Please be aware tuition, fees and books are subject to adjustment each year.

Fees are estimates by program and term, based on a full course load. Actual fees are specific to each students and billed to the My Olds College account approximately one month prior to each term start date.

Term Payment Deadline: due on the first Friday after the term start date.

A $200.00 late fee will be charged to the student account for any and all fees not paid by the payment deadline.

Books and supplies are purchased directly by the student, and are not billed to the My Olds College account.

PROGRAM INFORMATION									TUITION			FEES							BOOKS & SUPPLIES	TOTALS	
												College Fees		SAOC Fees							
Program	**Program Start**	**Year of Study**	**Term**	**Calendar Term**	**Start Date**	**End Date**	**Fee Payment Deadline**	**Location**	**Domestic Tution**	**International Tuition**	**Program Fee**	**Student Services Fee**	**Athletics and Recreation Fee**	**SAOC Fee**	**Building Fund Fee**	**SS & CE**	**Health & Dental**		**Books and Supplies Estimate**	**TOTAL - DOMESTIC**	**TOTAL - INTERNATIONAL**
Surface Land Management	Fall 2019	2	3	Fall	8-Sep-2020	18-Dec-2020	11-Sep-2020	Online	$2,343.30	$7,498.50		$187.50		$124.05			$350.00		$450.00	$3,454.85	$8,610.05
			4	Winter	11-Jan-2021	30-Apr-2021	15-Jan-2021	Blended*	$2,343.30	$7,498.50		$187.50	$83.66	$124.05	$35.70	$6.87			$450.00	$3,231.08	$8,386.28
	Based on 5 courses with on-campus requirments																				
Transitional Employment Program	Summer 2020	1	1	Summer	17-Aug-2020	4-Sep-2020	21-Aug-2020	Olds Campus	$1,117.62	$3,911.67	$310.78	$37.50	$41.83	$24.81	$7.14	$6.87	$350.00		$225.00	$2,121.55	$4,915.60
			2	Fall	8-Sep-2020	4-Dec-2020	11-Sep-2020	Off Campus	$4,470.48	$15,646.68		$150.00	$83.66	$99.24	$28.56	$6.87				$4,838.81	$16,015.01
			3	Winter	4-Jan-2021	17-Jun-2021	8-Jan-2021	Blended*	$5,588.10	$19,558.35		$187.50	$83.66	$124.05	$28.56	$6.87			$225.00	$6,243.74	$20,213.99
	Olds Campus - Jan 4 to April 2, Off Campus Practicum - April 5 to June 17																				
Turfgrass Management	Winter 2021	1	1	Winter	11-Jan-2021	7-May-2021	15-Jan-2021	Blended*	$3,280.62	$11,482.17		$262.50	$83.66	$173.67	$35.70	$6.87	$350.00		$400.00	$4,593.02	$12,794.57
			2	Spring	11-May-2021	31-Oct-2021	14-May-2021	Off Campus	$1,405.98	$4,920.93		$112.50		$74.43						$1,592.91	$5,107.86
	Based on 5 courses with on-campus requirements																				
	Winter 2020	2	3	Winter	11-Jan-2021	7-May-2021	15-Jan-2021	Blended*	$3,280.62	$10,497.98		$262.50	$83.66	$173.67	$21.42	$6.87	$350.00		$400.00	$4,578.74	$11,796.10
			4	Spring	11-May-2021	31-Oct-2021	14-May-2021	Off Campus	$1,405.98	$4,499.14		$112.50		$74.43						$1,592.91	$4,686.07
	Based on 3 courses with on-campus requirements																				
Veterinary Medical Receptionist - Blended	Fall 2020	1	1	Fall	8-Sep-2020	18-Dec-2020	11-Sep-2020	Online	$1,874.64	$6,561.24		$150.00		$99.24			$350.00		$600.00	$3,073.88	$7,760.48
			2	Winter	11-Jan-2021	16-Jul-2021	15-Jan-2021	Blended*	$2,811.96	$9,841.86		$225.00	$41.83	$148.86	$7.14	$6.87			$200.00	$3,441.66	$10,471.56
	Olds Campus - June 7 to June 11, Off Campus Practicum - June 21 to July 16																				
Veterinary Medical Receptionist - On Campus	Fall 2020	1	1	Fall	8-Sep-2020	18-Dec-2020	11-Sep-2020	Online	$2,343.30	$8,201.55		$187.50		$124.05			$350.00		$600.00	$3,604.85	$9,463.10
			2	Winter	11-Jan-2021	7-Jun-2021	15-Jan-2021	Blended*	$2,343.30	$8,201.55		$187.50	$83.66	$124.05	$35.70	$6.87			$200.00	$2,981.08	$8,839.33
	Olds Campus - April 19 to April 23, Off Campus Practicum - May 10 to June 7, 2021																				
Veterinary Technical Assistant	Fall 2020	1	1	Fall	8-Sep-2020	18-Dec-2020	11-Sep-2020	Blended*	$2,343.30	$8,201.55	$428.00	$187.50	$41.83	$124.05	$14.28	$6.87	$350.00		$400.00	$3,895.83	$9,754.08
	2 coures with on-campus requirements, On-campus - September 8 to October 16, 2020																				

TUITION RATES		
Description	**Domestic Rate**	**Int'l Rate**
Bachelor of applied Science DFS Tuition Rate	$117.17/credit	$410.10/credit
Heavy Equipment Operator Tuition Rate	$783.96/credit	$2743.86/credit
Pre-Employment Heavy Equipment Tuition Rate	$359.14/credit	$1256.99/credit
Pre-Employment Welder Tuition Rate	$429.22/credit	$1502.27/credit
Pre-Employtment Motorcyle Mechanic Tuition Rate	$398.32/credit	$1394.12/credit
Transitional Employment Tuition Rate	$372.54/credit	$1303.89/credit
All Other Course Tuition Rates	$156.22/credit	$546.77
Apprenticeship Tution Rate	$840/period	

*DFS Tution for international students that started the Applied Degree Program prior to Fall 2020 is $11,248.32

ADDITIONAL FEES	
Application Fee (Domestic applicant)	$78.75
Application Fee (International applicant)	$157.50
Challenge Exam Administration Fee (per 3 credit course)	$75.00
Challenge Exam Course Fee	50% of tuition fee
Late Payment Fee	$200.00
NSF/Returned Cheque Fee	$50.00
Parchment Replacement Fee	$60.00
Payment Plan Administration Fee	$150.00
Prior Learning Assessment and Recognition Admin Fee (per 3 credits)	$75.00
Prior Learning Assessment and Recognition Course Fee	50% of tuition fee
Replacement ID Card Fee	$20.00
Transfer Credit (per 3 credit course)	$75.00

2020-21 PROGRAM DATES, FEES and BOOKS AND SUPPLIES

Apprenticeship Programs

The College reserves the right to change, amend or alter this information as necessary without notice or prejudice. Please be aware tuition, fees and books are subject to adjustment each year.

Fees are estimates by program and term, based on a full course load. Actual fees are specific to each students and billed to the My Olds College account approximately one month prior to each term start date.

A $200.00 late fee will be charged to the student account for any and all fees not paid by the payment deadline.

Books and supplies are purchased directly by the student, and are not billed to the My Olds College account.

To register and for registration information go to My Trade Secrets.

PROGRAM INFORMATION					TUITION		FEES					BOOKS AND SUPPLIES	TOTALS
							COLLEGE FEES		SAOC FEES				
Program	Period	Calendar Term	Start Date	End Date	Tution	Program Fee	Student Services Fee	Athletics and Recreation Fee	SAOC Fee	Building Fund Fee	SS & CE	Books and Supplies Estimate	TOTAL - DOMESTIC
Agricultural Equipment Technician	1	Fall	26-Oct-2020	18-Dec-2020	$840.00	$72.00	$100.00	$49.63	$66.16	$19.04	$6.87	$290.00	$1,443.70
Agricultural Equipment Technician	2	Fall	26-Oct-2020	18-Dec-2020	$840.00	$72.00	$100.00	$49.63	$66.16	$19.04	$6.87	$290.00	$1,443.70
Agricultural Equipment Technician	3	Fall	26-Oct-2020	18-Dec-2020	$840.00	$72.00	$100.00	$49.63	$66.16	$19.04	$6.87	$290.00	$1,443.70
Agricultural Equipment Technician	4	Fall	26-Oct-2020	18-Dec-2020	$840.00	$72.00	$100.00	$49.63	$66.16	$19.04	$6.87	$290.00	$1,443.70
Agricultural Equipment Technician	1	Winter	4-Jan-2021	26-Feb-2021	$840.00	$72.00	$100.00	$49.63	$66.16	$19.04	$6.87	$290.00	$1,443.70
Agricultural Equipment Technician	2	Winter	4-Jan-2021	26-Feb-2021	$840.00	$72.00	$100.00	$49.63	$66.16	$19.04	$6.87	$290.00	$1,443.70
Agricultural Equipment Technician	3	Winter	4-Jan-2021	26-Feb-2021	$840.00	$72.00	$100.00	$49.63	$66.16	$19.04	$6.87	$290.00	$1,443.70
Agricultural Equipment Technician	4	Winter	4-Jan-2021	26-Feb-2021	$840.00	$72.00	$100.00	$49.63	$66.16	$19.04	$6.87	$290.00	$1,443.70
Heavy Equipment Technician	1	Summer	31-Aug-2020	23-Oct-2020	$840.00	$72.00	$100.00	$49.63	$66.16	$19.04	$6.87	$290.00	$1,443.70
Heavy Equipment Technician	2	Fall	26-Oct-2020	18-Dec-2020	$840.00	$72.00	$100.00	$49.63	$66.16	$19.04	$6.87	$290.00	$1,443.70
Heavy Equipment Technician	3	Fall	26-Oct-2020	18-Dec-2020	$840.00	$72.00	$100.00	$49.63	$66.16	$19.04	$6.87	$290.00	$1,443.70
Heavy Equipment Technician	4	Fall	26-Oct-2020	18-Dec-2020	$840.00	$72.00	$100.00	$49.63	$66.16	$19.04	$6.87	$290.00	$1,443.70
Heavy Equipment Technician	2	Winter	4-Jan-2021	26-Feb-2021	$840.00	$72.00	$100.00	$49.63	$66.16	$19.04	$6.87	$290.00	$1,443.70
Heavy Equipment Technician	3	Winter	4-Jan-2021	26-Feb-2021	$840.00	$72.00	$100.00	$49.63	$66.16	$19.04	$6.87	$290.00	$1,443.70
Heavy Equipment Technician	4	Winter	4-Jan-2021	26-Feb-2021	$840.00	$72.00	$100.00	$49.63	$66.16	$19.04	$6.87	$290.00	$1,443.70
Heavy Equipment Technician	1	Winter	1-Mar-2021	23-Apr-2021	$840.00	$72.00	$100.00	$49.63	$66.16	$19.04	$6.87	$290.00	$1,443.70
Landscape Horticulturist	1	Fall	5-Oct-2020	27-Nov-2020	$840.00	$72.00	$100.00	$49.63	$66.16	$19.04	$6.87	$290.00	$1,443.70
Landscape Horticulturist	2	Fall	5-Oct-2020	27-Nov-2020	$840.00	$72.00	$100.00	$49.63	$66.16	$19.04	$6.87	$290.00	$1,443.70
Landscape Horticulturist	3	Fall	26-Oct-2020	18-Dec-2020	$840.00	$72.00	$100.00	$49.63	$66.16	$19.04	$6.87	$290.00	$1,443.70
Landscape Horticulturist	4	Fall	26-Oct-2020	18-Dec-2020	$840.00	$72.00	$100.00	$49.63	$66.16	$19.04	$6.87	$290.00	$1,443.70
Landscape Horticulturist	3	Winter	4-Jan-2021	26-Feb-2021	$840.00	$72.00	$100.00	$49.63	$66.16	$19.04	$6.87	$290.00	$1,443.70
Landscape Horticulturist	4	Winter	4-Jan-2021	26-Feb-2021	$840.00	$72.00	$100.00	$49.63	$66.16	$19.04	$6.87	$290.00	$1,443.70
Landscape Horticulturist	1	Winter	1-Feb-2021	26-Mar-2021	$840.00	$72.00	$100.00	$49.63	$66.16	$19.04	$6.87	$290.00	$1,443.70
Landscape Horticulturist	2	Winter	1-Feb-2021	26-Mar-2021	$840.00	$72.00	$100.00	$49.63	$66.16	$19.04	$6.87	$290.00	$1,443.70
Welder	2	Summer	31-Aug-2020	23-Oct-2020	$840.00	$72.00	$100.00	$49.63	$66.16	$19.04	$6.87	$290.00	$1,443.70
Welder	1	Fall	26-Oct-2020	18-Dec-2020	$840.00	$72.00	$100.00	$49.63	$66.16	$19.04	$6.87	$290.00	$1,443.70
Welder	3	Fall	26-Oct-2020	18-Dec-2020	$840.00	$72.00	$100.00	$49.63	$66.16	$19.04	$6.87	$290.00	$1,443.70
Welder	1	Winter	4-Jan-2021	26-Feb-2021	$840.00	$72.00	$100.00	$49.63	$66.16	$19.04	$6.87	$290.00	$1,443.70
Welder	2	Winter	4-Jan-2021	26-Feb-2021	$840.00	$72.00	$100.00	$49.63	$66.16	$19.04	$6.87	$290.00	$1,443.70
Welder	3	Winter	1-Mar-2021	23-Apr-2021	$840.00	$72.00	$100.00	$49.63	$66.16	$19.04	$6.87	$290.00	$1,443.70

TUITION RATES			
Description	Amount	Domestic Rate	Int'l Rate
Bachelor of applied Science DFS Tuition Rate	$117.17	$117.17/credit	$410.10/credit
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Pre-Employment Welder Tuition Rate	$429.22	$429.22/credit	$1502.27/credit
Pre-Employtment Motorcyle Mechanic Tuition Rate	$398.32	$398.32/credit	$1394.12/credit
Transitional Employment Tuition Rate	$372.54	$372.54/credit	$1303.89/credit
All Other Course Tuition Rates	$156.22	$156.22/credit	$546.77/credit
All Other Course Tuition Rates		$840/period	

ADDITIONAL FEES	
Application Fee (Domestic applicant)	$78.75
Application Fee (International applicant)	$157.50
Challenge Exam Administration Fee (per 3 credit course)	$75.00
Challenge Exam Course Fee	50% of tuition fee
Late Payment Fee	$200.00
NSF/Returned Cheque Fee	$50.00
Parchment Replacement Fee	$60.00
Payment Plan Administration Fee	$150.00
Prior Learning Assessment and Recognition Admin Fee (per 3 credits)	$75.00
Prior Learning Assessment and Recognition Course Fee	50% of tuition fee
Replacement ID Card Fee	$20.00
Transfer Credit (per 3 credit course)	$75.00

Olds College Apprentice Technical Training Cancellation and Refund Policy:

All cancellations must be received in writing (paper, mail, fax, e-mail).

A cancellation of registration up to and including 10 days prior to the technical training intake will result in a full refund less a $150 cancellation fee.

A cancellation of registration within 10 days prior to the technical training intake, or withdrawing once the intake has started, will result in no refund of tuition and fees.

A full refund of all fees will be provided if Olds College cancels an intake.

CALENDAR OF IMPORTANT DATES 2020-21

Add a course:

- A course may be added up to and including 6% through the course. The add date is specific to each course based on the course dates. Adding a course will result in additional fees

Drop a course:

- A course dropped up to and including 12% through the course will not be recorded on the student transcript, will not impact the Grade Point Average (GPA), and will result in a refund.
- A course dropped 13 to 50% through the course will be recorded on the student transcript with a grade of 'W', will not impact the Grade Point Average (GPA), and will result in no refund.
- A course dropped after 50% through the course will be recorded on the student transcript with a grade of 'F', will impact the Grade Point Average (GPA), and will result in no refund.

SUMMER 2020		
July 1	Canada Day	College Closed
June 29 to September 4	Summer Term	
August 3	Civic Holiday	College Closed
August 10 to 14	AHT Final Exam Period for Spring Terms 2 and 3	
FALL 2020		
September 7	Labour Day	College Closed
Sept 8 to December 18	Fall Term	
October 12	Thanksgiving	College Closed
November 11	Remembrance Day	College Closed
December 14 to 18	Final Exam Period for Fall 15-week courses	
December 21 to January 8	Student Christmas Break	
WINTER 2021		
January 1	New Year's Day	College Closed
January 11 to April 30	Winter Term	
February 15	Family Day	College Closed
February 16 to 19	Reading Week Break (Reading Week break is not observed by Turfgrass Mgmt, Applied Degree Golf Course Mgmt, Apprenticeship, Pre-Employment, Hospitality and Tourism Mgmt, Meat Processing, Veterinary Medical Receptionist Online programs).	
April 2	Good Friday	College Closed
April 5	Easter Monday	College Closed
April 26 to 30	Final Exam Period for Winter 15-week courses	
SPRING 2021		
May 3 to June 25	Spring Term	
May 24	Victoria Day	College Closed
June 5	Convocation Ceremony	

TUITION AND FEES

This document is the parent policy for any College procedures. Questions regarding this policy are to be directed to the identified Policy Owner.

Category:	Financial and Administrative
Policy Number:	B12
Approval Date:	June 9, 2020
Effective Date:	June 9, 2020
Policy Owner:	AVP Students and Registrar

Objective:	The purpose of the policy is to ensure fees are established and revised, charged, and refunded in a consistent manner, and in compliance with any regulatory requirements.
Policy:	Fees subject to this policy are tuition fees and non-instructional fees assessed to a student account by the Office of the Registrar or the Continuing Education department, but not including fees set by the Students' Association. Olds College establishes all fees in an open and transparent manner that • Meets all requirements and guidelines of Advanced Education, • Assures compliance with the Alberta Post-Secondary Learning Act and Tuition and Fees Regulation, • Ensures appropriate consultation as required by College Policy. All tuition fees for provincially approved programing are subject to approval of the Olds College Board of Governors as required under Section 61 of the Alberta Post-Secondary Learning Act. Consultations and associated timelines must support achieving the college budget process completion and approval deadlines.
Definitions:	**Tuition Fees:** those fees specified in section 1(2) of the Post Secondary Learning Act Tuition Fees Regulation. **Non-instructional Fees:** fees assessed to the student account for goods and

	services that are not tuition fees.
Related Information:	Tuition and Fees Webpage
Related Procedures:	Registration, Payments and Refunds Procedure Tuition and Fee Consultation Procedure
Review Period:	3 Years Next Review Date: June 2023
Revision History:	November 28, 2002: Revision April 23, 2012: Revision October 23, 2014: Renewal April 13, 2015: Renewal August 6, 2019: Renewal June 9, 2020: Revision

REGISTRATION, PAYMENTS AND REFUNDS PROCEDURE

This procedure is governed by its parent policy. Questions regarding this procedure are to be directed to the identified Procedure Administrator.

Category:	Financial and Administrative
Parent Policy:	B12 Tuition and Fees
Approval Date:	June 9, 2020
Effective Date:	June 9, 2020
Procedure Owner:	AVP Student and Registrar

Overview:

Procedures:

PART A: PROVIDER & PROGRAM REGISTRY SYSTEM (PAPRS) APPROVED PROGRAMS (EXCLUDING APPRENTICESHIP)

The Office of the Registrar will publish on the website a summary of mandatory tuition and fees, and estimated books and supplies. This will be produced by May 1 of each year for the following academic year.

REGISTRATION AND FEE PAYMENT

1. The Office of the Registrar is responsible for registration of students into courses and charging of fees.
2. The Registrar sets the fee deadline for instructional, mandatory non-instructional, SAOC, meal plan and housing fees.
    a. Fees are billed per term.
    b. Fees are due per term, on or before the first Friday of the term for the program.
    c. Fees applied to students' accounts after the fee deadline, are due immediately.
3. Payment options are available on the Olds College website. Payment plans and deferred payment requests are reviewed by the Office of the Registrar on an individual basis.
4. Students are responsible to refer to their My Olds College account for fee and registration information.
5. Students are responsible for full payment of fees by the deadline. A fee deferral may be approved on an individual basis pending proof of third party sponsorship (i.e. student loans, awards, RESP's, etc.)
6. International students will be assessed tuition fees equal to three hundred and fifty percent (350%) those assessed for Canadian Citizens, Landed Immigrants or Permanent Residents.

7. Instructors will review the class list available through Web for Faculty within the add period of each class. The instructor will advise any student not on the class list to contact the Office of the Registrar to inquire about registering for the course.

UNPAID FEES

1. A $200.00 late payment fee and a financial hold will be applied to overdue student accounts on the business day following the fee deadline (or 3 business days for fees applied after the deadline) for any outstanding fees.
    a. The Office of the Registrar will communicate the late payment fee charge and subsequent consequence to the impacted students.
2. A students' course registration, and residence contract (if applicable), will be cancelled by noon on the second Friday following the program start date (or 10 business days for fees applied after the deadline) for any outstanding balance.
    a. The Office of the Registrar will notify the student, Associate Dean and residence (if applicable) of the cancelled registrations.
    b. The Office of the Registrar will ensure Instructors are notified that students have been removed from their classes.
    c. The Office of the Registrar will work with CHOC to ensure the student is removed from residence.
3. If the student account is paid in full, reinstatement of registration will be reviewed on an individual basis.
4. Financial holds will be removed from the student account once all fees are paid.
5. Residence ancillary fees, library fines and parking tickets will result in a financial hold on the student account, but will not result in a late payment fee charge, or cancellation of registration or residence.
6. Overdue accounts will be sent to a collection agency.
7. Account write offs and overdue accounts sent to the collection agency are approved by the Registrar in consultation with the Director, Business Services.

ADDING OR DROPPING COURSES, WITHDRAWAL AND REFUNDS

1. Once registered in a course, it is the students' responsibility to drop the course if they wish to no longer attend.
2. The deadline to add a course is up to and including 6% through the course.
3. The deadline to drop a course with a refund is up to and including 12% through the course.
4. The deadline to drop a course with a grade of 'W' and no refund is 13% to 50% through the course.
5. A course dropped after 50% through the course will result in a grade of 'F' and no refund of fees.

6. If withdrawing from a program, a notice of withdrawal must be submitted to the Office of the Registrar and will be effective based on the submission date. Non-attendance, NSF cheques, stop payment on a cheque or credit card and non-compliance with a fee deferral arrangement or payment plan does not constitute notice of withdrawal. The program tuition deposit is non-refundable.
7. Withdrawal for compassionate reasons will be considered on an individual basis. The student must submit their request, including the reason with any supporting documentation and desired outcome, in writing to the Registrar (or delegate) who will make the final decision.
8. In the case of a refund, if the student received any form of government, sponsorship, or support funding, the funding organization will be refunded first. Any remaining funds will then be sent to the student.

PROGRAM INTAKE CANCELLATIONS

1. The decision to cancel a program intake is made by the Registrar in conjunction with the Dean and must be communicated to students at least 8 weeks prior to the start of the program. All fees are refunded including the application fee and tuition deposit.
2. If the student received any form of government, sponsorship, or support funding, the funding organization will be refunded first. Any remaining funds will then be sent to the student.

PART B: CONTINUING EDUCATION (NOT APPROVED BY PAPRS) (*) FEE PAYMENT

1. All fees must be paid in full at the time of registration except in the case of 3rd party payments where previous arrangements have been approved.
2. Registrations are processed on a first come first served basis
3. Payment options are available on the Olds College website.

REFUNDS

1. A student who withdraws from a program or a course three or more business days prior to the start of the course will receive a 100% refund of all fees minus the cancellation fee as set by the Manager, Continuing Education.
2. A student who withdraws from a program or a course within three business days prior to the start of the course will receive no refund of fees.
3. In the case of a refund, if the student received any form of government, sponsorship, or support fundings, the funding organization will be refunded first. Any remaining funds will then be sent to the student.
4. Withdrawal for extenuating circumstances or compassionate reasons will be considered on an individual basis. The student must submit their request, including the reason for the request and any supporting

documentation, to the Manager, Continuing Education, who will make the final decision.

CANCELLATIONS

1. The decision to cancel a course or program that is 5 days or less in length must be made and communicated to students at least 5 days prior to the start date of the first class.
2. The decision to cancel a course or program that is more than 5 days in length must be made and communicated to students at least 2 weeks prior to the start date of the first class.
3. If the student received any form of government, sponsorship, or support funding , the funding organization will be refunded first. Any remaining funds will then be sent to the student.

* Excludes courses and/or programs undertaken in partnership with other institutions such as Prairie Horticulture Certificate. These courses or programs will comply with the fee policies jointly agreed to by the participating institutions. If there is no jointly agreed fee policy, then the Olds College Fee Policy applies.

PART C: APPRENTICESHIP PROGRAMS REGISTRATION AND FEE PAYMENT

1. Registrations will be processed on a first come, first served basis.
2. Registrations will not be processed if there are outstanding fees or library holds on the student's account. The hold must be cleared prior to registration.
3. All mandatory instructional fees, mandatory non-instructional fees and SAOC fees must be paid in full upon registration.
4. All other remaining fees, including but not limited to parking, residence and meal plans, must be paid in full on or before the first day of class.
5. Payment options are available on the Olds College website.
6. On the first day of class, instructors will take attendance based on the class list available through Web for Faculty. This is done to ensure students attending the course have paid and registered for the course. The instructor will advise any student not on the list to contact the Office of the Registrar.

CANCELLATIONS, WITHDRAWALS AND REFUNDS

1. A cancellation of registration up to and including 10 days prior to the technical training will result in a full refund minus a $150 cancellation fee.
2. A cancellation of registration within 10 days prior to the technical training will result in no refund of mandatory instructional fees, mandatory non-instructional fees and SAOC fees.
3. Withdrawal once the training has started will result in no refund of mandatory instructional fees, mandatory non-instructional fees and SAOC fees. In the case of a refund, if the student received any form of government, sponsorship, or support funding, the funding organization

	will be refunded first. Any remaining funds will then be sent to the student. 4. Withdrawal for compassionate reasons will be considered on an individual basis. The student must submit their request, including the reason with any supporting documentation and desired outcome, in writing to the Registrar who, after consultation with the Associate Dean will make the final decision. **APPRENTICESHIP TECHNICAL TRAINING CANCELLATIONS** 1. The decision to cancel a period of technical training must be made by the Associate Dean and communicated to students at least 4 weeks prior to the start date of the first class. 2. If the student received any form of government, sponsorship, or support funding, the funding organization will be refunded first. Any remaining funds will then be sent to the student.
Definitions:	**Tuition Fees:** those fees specified in section 1(2) of the Post Secondary Learning Act Tuition Fees Regulation. **Non-instructional Fees:** fees assessed to the student account for goods and services that are not tuition fees. **Students' Association of Olds College (SAOC) Fees:** Students' Association of Olds College (SAOC) fees are recommended and approved by the SAOC Executive. SAOC fees are charged only to programs approved in PAPRS. **Optional Fees**: Optional fees are charged as the specific service is utilized, and must be paid at the time of usage.
Related Information:	Tuition and Fees Webpage Tuition and Fees Policy Tuition and Fees Consultation Procedure
Review Period:	3 Years Next Review Date: June 2023
Revision History:	November 28, 2002: Revision April 23, 2012: Revision October 23, 2014: Renewal April 13, 2015: Renewal August 6, 2019: Renewal June 9, 2020: Revision

TUITION AND FEE CONSULTATION PROCEDURE

This procedure is governed by its parent policy. Questions regarding this procedure are to be directed to the identified Procedure Administrator.

Category:	Financial and Administrative
Parent Policy:	B12 Tuition and Fees
Approval Date:	October 15, 2020
Effective Date:	October 15, 2020
Procedure Owner:	AVP Student and Registrar

Overview:	This procedure sets out steps and considerations for establishing and/or revising fees for Provider and Program Registry System (PAPRS) approved programs. Fees subject to this procedure are Tuition Fees, Mandatory Non-Instructional Fees (MNIF), international rate and Optional Fees assessed to a student account by the Office of the Registrar, but not including fees set by the Students' Association, Chartwells or Campus Housing Olds Corp. (CHOC).
Procedures:	**Tuition and Fees Oversight Committee** 1. The Tuition and Fees Oversight Committee consists of Associate Vice President, Students and Registrar (or designate) and Manager, Accountability and Reporting, CFO & Director, Business Services (or designate) and Senior Accountant, Reporting & Budgeting. 2. The Tuition and Fees Oversight Committee is chaired by the Associate Vice President, Students and Registrar. 3. This committee is established to maintain an open and fair engagement process leading to the setting of Olds College's tuition and fees annually. **Considerations for Establishing or Revising fees** 1. Tuition fees will be set in accordance with the Public Post-Secondary Institutions' Tuition Fees Regulation. 2. In establishing fees or fee changes, the college will consider: a. impact on student accessibility, demand and outcomes; b. fees charged by other providers for comparable programs and service; and

    c. cost increases to provide programming and services.
3. Fee revenue and actual expenditures will be considered by the Tuition and Fees Oversight Committee in proposing new and/or revising current fees.
4. In addition to a consistent per-credit tuition rate, tuition may be charged at a program level (program fee) and/or course level (course fee).

Transparency

1. The annual tuition and fee schedule will be published on the Olds College website, and clearly identify all fees that are assessed to the student account.
2. Descriptions of fees will be published on the Olds College website.

Consultation Considerations

1. The Executive Leadership Team will provide guidance on annual increases.
2. The Tuition and Fees Oversight Committee will facilitate appropriate consultations with administration and students.
3. Consultation process timelines must support achieving the college budget process completion and approval deadlines, and government submission deadlines.
4. Information on the costs associated with the services for fees will be provided by Business Services during the consultation process.
5. Consultations do not address fees controlled by the Students' Association or fees provided by a third party.
6. Consultation with administration will be conducted with academic leaders (Deans and Continuing Education) and MNIF stakeholders (CLC, Athletics, IT, TLCI).
7. Consultation with program areas occurs through the Deans as necessary.
    a. Recommendations to program or course fees and exceptional increases come from the Dean.
8. Consultation with students will occur annually through the Olds College Students' Association (SAOC) in accordance with the Tuition and Fees Regulation in the Post-Secondary Learning Act to allow for ongoing input by the students' council.
    a. A member of the Tuition and Fees Oversight Committee, or delegate, will establish a consultation meeting with the SAOC to provide a statement of anticipated tuition and mandatory non-instructional fees for a 4-year period. At this meeting, the SAOC will be provided with information to compare the revenue and actual costs in respect to each mandatory non-instructional fee.
    b. A member of the Tuition and Fees Oversight Committee, or delegate, will establish a second consultation meeting with the SAOC to review the proposed fees including any changes.

c. A record of the consultations will accompany the final recommendation to be approved by the Board of Governors.

Consultation and Approval Steps:

September:

- The Executive Leadership Team (ELT) will provide guidance on annual increases.
- Annual "kick-off" presentation with academic leaders (Deans and Continuing Education) and MNIF stakeholders (CLC, Athletics, IT, TLCI).

September/October:

- Consultations to review fee increases or changes, rationale for changes, and feedback on anticipated changes.
    - Consultations with Deans in regards to tuition.
    - Consultations with MNIF stakeholders in regards to MNIF's.
    - Consultations with appropriate stakeholders in regards to optional fees.
- Tuition and Fees Oversight Committee recommends any changes to the international rate if applicable.

November/December:

- Consultation with the Students' Association to inform of: anticipated tuition fee increases for a 4-year period, non-instructional and optional fee increases or changes, rationale for the changes, and to obtain feedback.

December:

- Tuition and Fees Oversight Committee submits draft tuition and fees to the Executive Leadership Team (ELT) for review.
- Draft tuition and fees are submitted to Alberta Advanced Education by Office of the Registrar.

February:

- Final consultation with SAOC.
- Any changes to the December submission are submitted to the Executive Leadership Team (ELT) for review.
- The Executive Leadership Team (ELT) recommends final tuition and fees to the Board of Governors for approval.

February/March:

- The Board of Governors approves tuition and fees.

	• Final submission to Alberta Advanced Education with sign-off from the vice-president responsible for academics.
Definitions:	Program Fee or Course Fee - Tuition fees charged in addition to per-credit tuition for materials and services that facilitate instruction (excluding fees for materials that are retained or leased by the student). These fees can be charged at the course or program level. Refer also to Policy B12 Tuition and Fees for additional definitions
Related Information:	Tuition and Fees Webpage Tuition and Fees Policy Registration, Payment and Refund Procedure Tuition and Fee Regulation
Review Period:	3 Years
Revision History:	New Procedure September 2020; Policy D37 incorporated in this procedure and retired