

# 2018-2019 Diploma Program Calendar

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The information published in this Diploma Calendar outlines the rules, regulations, curricula, programs and fees for the 2018-2019 academic year, including the Summer Semester 2018, the Fall Semester 2018 and the Winter Semester 2019.

For your convenience the Diploma Calendar is available in PDF format.

If you wish to link to the Diploma Calendar please refer to the [Linking Guidelines](#).

Ridgetown Campus

Guelph Campus

The University is a full member of:

- Universities Canada

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# Disclaimer

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## University of Guelph 2018

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The information published in this Diploma Calendar outlines the rules, regulations, curricula, programs and fees for the 2018-2019 academic year, including the Summer Semester 2018, the Fall Semester 2018 and the Winter Semester 2019.

The University reserves the right to change without notice any information contained in this calendar, including fees, any rule or regulation pertaining to the standards for admission to, the requirements for the continuation of study in, and the requirements for the granting of diplomas in any or all of its programs. The publication of information in this calendar does not bind the University to the provision of courses, programs, schedules of studies, or facilities as listed herein.

The University will not be liable for any interruption in, or cancellation of, any academic activities as set forth in this calendar and related information where such interruption is caused by fire, strike, lock-out, inability to procure materials or trades, restrictive laws or governmental regulations, actions taken by faculty, staff or students of the University or by others, civil unrest or disobedience, or any other cause of any kind beyond the reasonable control of the University.

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Published by: Enrolment Services

# Introduction

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## Collection, Use and Disclosure of Personal Information

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Personal information is collected under the authority of the University of Guelph Act (1964), and in accordance with Ontario's Freedom of Information and Protection of Privacy Act (FIPPA) <http://www.e-laws.gov.on.ca/index.html>. This information is used by University officials in order to carry out their authorized academic and administrative responsibilities and also to establish a relationship for alumni and development purposes. Certain personal information is disclosed to external agencies, including the Ontario Universities Application Centre, the Ministry of Advanced Education and Skills Development, and Statistics Canada, for statistical and planning purposes, and is disclosed to other individuals or organizations in accordance with the Office of Registrarial Services Departmental Policy on the Release of Student Information. For details on the use and disclosure of this information call the Office of Registrarial Services at the University at (519) 824-4120 or see <http://www.uoguelph.ca/registrar/registrar/index.cfm?index>.

## Disclosure of Personal Information to the Ontario Ministry of Advanced Education and Skills Development

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The University of Guelph is required to disclose personal information such as characteristics and educational outcomes to the Minister of Advanced Education and Skills Development under s. 15 of the Ministry of Advanced Education and Skills Development Act, R.S.O. 1990, Chapter M.19, as amended. The Ministry collects this data for purposes including but not limited to planning, allocating and administering public funding to colleges, universities and other post-secondary educational and training institutions.

Amendments made to the Ministry of Advanced Education and Skills Development Act, authorizing the collection and use of personal information from colleges and universities by the Minister of Advanced Education and Skills Development, which were set out in Schedule 5 of the Childcare Modernization Act, 2014, came into force on March 31, 2015.

The amendments strengthen the ability of the Minister to directly or indirectly collect and use personal information about students as required to conduct research and analysis, including longitudinal studies, and statistical activities conducted by or on behalf of the Ministry for purposes that relate to post-secondary education and training, including,

- i. understanding the transition of students from secondary school to post-secondary education and training,
- ii. understanding student participation and progress, mobility and learning and employment outcomes,
- iii. understanding linkages among universities, colleges, secondary schools and other educational and training institutions prescribed by regulation,
- iv. understanding trends in post-secondary education or training program choices made by students,
- v. understanding sources and patterns of student financial resources, including financial assistance and supports provided by government and post-secondary educational and training institutions,
- vi. planning to enhance the affordability and accessibility of post-secondary education and training and the quality and effectiveness of the post-secondary sector,
- vii. identifying conditions or barriers that inhibit student participation, progress, completion and transition to employment or future post-secondary educational or training opportunities, and
- viii. developing key performance indicators.

Information that the University is required to provide includes but is not limited to: first, middle and last name, Ontario Educational Number, citizenship, date of birth, gender, first three digits of a student's postal code, mother tongue, degree program and major(s) in which the student is enrolled, year of study and whether the student has transferred from another institution.

Further information on the collection and use of student-level enrolment-related data can be obtained from the Ministry of Advanced Education and Skills Development website: <https://www.ontario.ca/page/ministry-advanced-education-and-skills-development> (English) or <https://www.ontario.ca/fr/page/ministere-de-lenseignement-superieur-et-de-la-formation-professionnelle> (French) or by writing to the Director, Postsecondary Finance and Information Management Branch, Postsecondary Education Division, 7th Floor, Mowat Block, 900 Bay Street, Toronto, ON M7A 1L2.

An update on Institutional and Ministry of Advanced Education and Skills Development Act Notice of Disclosure Activities is posted at <https://www.ontario.ca/page/ministry-advanced-education-and-skills-development>

Frequently Asked Questions related to the Ministry's enrolment and OEN data activities are also posted at: <http://www.tcu.gov.on.ca/peps/publications/NoticeOfCollection.pdf>

### Authority to Disclose Personal Information to Statistics Canada

The Ministry of Advanced Education and Skills Development discloses student-level enrolment-related data it collects from the colleges and universities as required by Statistics Canada in accordance with Section 13 of the Federal Statistics Act. This gives Ministry of Advanced Education and Skills Development Act authority to disclose personal information in accordance with s. 42(1) (e) of FIPPA

## Notification of Disclosure of Personal Information to Statistics Canada

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For further information, please see the Statistics Canada's web site at <http://www.statcan.ca> and Chapter XIV Statistics Canada.

## Address for University Communication

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Depending on the nature and timing of the communication, the University may use one of these addresses to communicate with students. Students are, therefore, responsible for checking all of the following on a regular basis:

### Email Address

The University issued email address is considered an official means of communication with the student and will be used for correspondence from the University. Students are responsible for monitoring their University-issued email account regularly. See Chapter I--Statement of Students' Academic Responsibilities for more information.

### Home Address

Students are responsible for maintaining a current mailing address with the University. Address changes can be made, in writing, through Enrolment Services.

## Name Changes

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The University of Guelph is committed to the integrity of its student records, therefore, each student is required to provide either on application for admission or on personal data forms required for registration, his/her complete, legal name. Any requests to change a name, by means of alteration, deletion, substitution or addition, must be accompanied by appropriate supporting documentation.

## Student Confidentiality and Release of Student Information Policy Excerpt

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The University undertakes to protect the privacy of each student and the confidentiality of his or her record. To this end the University shall refuse to disclose personal information to any person other than the individual to whom the information relates where disclosure would constitute an unjustified invasion of the personal privacy of that person or of any other individual. All members of the University community must respect the confidential nature of the student information which they acquire in the course of their work.

Complete policy at <https://uoguelph.civicweb.net/document/68892/ORSInfoReleasePolicy060610.pdf?handle=FF982F8A9AEA4076BE4F3D88147172B8>.

# Learning Outcomes

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On December 5, 2012, the University of Guelph Senate approved five University-wide Learning Outcomes as the basis from which to guide the development of undergraduate degree and diploma programs, specializations and courses:

1. Critical and Creative Thinking
2. Literacy
3. Global Understanding
4. Communicating
5. Professional and Ethical Behaviour

These learning outcomes are also intended to serve as a framework through which our educational expectations are clear to students and the broader public; and to inform the process of outcomes assessment through the quality assurance process (regular reviews) of programs and departments.

An on-line guide to the learning outcomes, links to the associated skills, and detailed rubrics designed to support the development and assessment of additional program and discipline-specific outcomes, are available for reference on the [Learning Outcomes website](#).

## 1. Critical and Creative Thinking

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Critical and creative thinking is a concept in which one applies logical principles, after much inquiry and analysis, to solve problems with a high degree of innovation, divergent thinking and risk taking. Those mastering this outcome show evidence of integrating knowledge and applying this knowledge across disciplinary boundaries. Depth and breadth of understanding of disciplines is essential to this outcome.

In addition, **Critical and Creative Thinking** includes, but is not limited to, the following outcomes: **Inquiry and Analysis; Problem Solving; Creativity; and Depth and Breadth of Understanding.**

## 2. Literacy

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Literacy is the ability to extract information from a variety of resources, assess the quality and validity of the material, and use it to discover new knowledge. The comfort in using quantitative literacy also exists in this definition, as does using technology effectively and developing visual literacy.

In addition, **Literacy** includes, but is not limited to, the following outcomes: **Information Literacy, Quantitative Literacy, Technological Literacy, and Visual Literacy.**

## 3. Global Understanding

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Global understanding encompasses the knowledge of cultural similarities and differences, the context (historical, geographical, political and environmental) from which these arise, and how they are manifest in modern society. Global understanding is exercised as civic engagement, intercultural competence and the ability to understand an academic discipline outside of the domestic context.

In addition, **Global Understanding** includes, but is not limited to, the following outcomes: **Global Understanding, Sense of Historical Development, Civic Knowledge and Engagement, and Intercultural Competence.**

## 4. Communicating

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Communicating is the ability to interact effectively with a variety of individuals and groups, and convey information successfully in a variety of formats including oral and written communication. Communicating also comprises attentiveness and listening, as well as reading comprehension. It includes the ability to communicate and synthesize information, arguments, and analyses accurately and reliably.

In addition, **Communicating** includes, but is not limited to, the following outcomes: **Oral Communication, Written Communication, Reading Comprehension, and Integrative Communication.**

## 5. Professional and Ethical Behaviour

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Professional and ethical behaviour requires the ability to accomplish the tasks at hand with proficient skills in teamwork and leadership, while remembering ethical reasoning behind all decisions. The ability for organizational and time management skills is essential in bringing together all aspects of managing self and others. Academic integrity is central to mastery in this outcome.

In addition, **Professional and Ethical Behaviour** includes, but is not limited to, the following outcomes: **Teamwork, Ethical Reasoning, Leadership, and Personal Organization and Time Management**

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## X. Associate Diploma Programs

### Program Information

As a result of an enhanced contract agreement between the University of Guelph and the Ontario Ministry of Agriculture, Food and Rural Affairs (OMAFRA) effective April 1, 1997, the Agricultural College at Ridgetown now operates as a Campus of the University of Guelph. Two-year diploma programs are offered at the Ontario Agricultural College, University of Guelph and at Ridgetown Campus with financial support from OMAFRA.

The diploma programs offers a blend of the theoretical and practical courses designed to prepare graduates to assume a broad range of positions in the agricultural and food industries. All programs offer courses in applied science, business management, production and marketing. Specific diploma programs offered at Ridgetown Campus has a standardized core curricula to ensure common standards are maintained. Common core courses are supplemented with electives with specific regional specializations.

The programs run for two semesters beginning in September until late April followed by a one semester summer break. Second year classes resume in the following semester and when students successfully complete all of the associate diploma requirements they graduate with an Associate Diploma.

### ASSOCIATE DIPLOMA PROGRAMS AND LOCATIONS

G: Guelph; R:Ridgetown.

Associate Diploma Programs and Locations

Program	G	R
Agriculture		X
Environmental Management		X
Horticulture		X
Turfgrass Management	X	
Veterinary Technology		X

### Associate Diploma in Agriculture

This program provides a practical, skills-oriented approach to agricultural production systems and affords its students an opportunity to improve their business and managerial skills. Diploma in Agriculture students integrate practical experience in agricultural production with the technical and scientific information that is required to successfully operate modern food production enterprises. Business management, computer skills, and problem solving activities provide students with the abilities they require as self-employed managers of production systems, and as technical/sales employees of agri-business firms, commodity boards, and other agencies related to the agri-food system.

#### Areas of Study

R:Ridgetown

Areas of Study

Program	R
Agri-business Management	X
Animal Production	X
Field and Horticultural Crop Production	X

#### Required Courses

##### Semester 1 - Fall

DAGR*1000	[0.50]	Livestock Systems
DAGR*1070	[0.50]	Introduction to Business Management
DAGR*1090	[0.50]	Communications & Software Applications I
DAGR*1200	[0.50]	Applied Plant Science
DAGR*1300	[0.50]	Soil Principles
DAGR*1600	[0.50]	Applied Mathematics

##### Semester 2 - Winter

DAGR*1350	[0.50]	Agricultural Mechanization and Safety
DAGR*2000	[0.50]	Animal Science
DAGR*2020	[0.50]	Financial Management
DAGR*2090	[0.50]	Communications & Software Applications II
DAGR*2210	[0.50]	Applied Weed Science

0.50 restricted electives

##### Semester 3 - Fall

DAGR*3070	[0.50]	Introduction to Agricultural Economics & Marketing
DAGR*3200	[0.50]	Corn and Oilseed Management
DENM*3150	[0.50]	Agriculture and Environmental Stewardship

1.50 electives or restricted electives

##### Semester 4 - Winter

DAGR*4600	[0.50]	Human Resource Management
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2.50 elective or restricted electives

### Restricted Electives

Students must take a total of at least 3.00 restricted electives from the following five lists: Some restricted elective courses require prerequisites. Students should check the course descriptions for prerequisite requirements and consult with their program advisor when planning their program.

1. Students must take at least 0.50 credits from:

DAGR*4610	[0.50]	Business Project
DAGR*4650	[0.50]	Farm Project

2. Students must take at least 0.50 credits from:

DAGR*3080	[0.50]	Marketing
DAGR*3130	[0.50]	Sales and Sales Management
DAGR*4100	[0.50]	Commodity Marketing

3. Livestock Production

DAGR*3000	[0.50]	Beef Production
DAGR*3010	[0.50]	Dairy Production I
DAGR*3040	[0.50]	Pork Production
DAGR*4010	[0.50]	Animal Health
DAGR*4020	[0.50]	Poultry Production
DAGR*4040	[0.50]	Small Ruminant Production
DAGR*4120	[0.50]	Dairy Production II
DAGR*4180	[0.50]	Dairy Herd Management
DAGR*4190	[0.50]	Ruminant Nutrition

4. Plant Production

DAGR*2200	[0.50]	Cereal and Forage Management
DAGR*3210	[0.50]	Insect and Disease Management
DAGR*3250	[0.50]	Fruit Production
DAGR*3260	[0.50]	Vegetable Production
DAGR*4200	[0.50]	Cropping Systems
DAGR*4210	[0.50]	Crop Diagnostics and Recommendations
DHRT*2000	[0.50]	Greenhouse Management
DHRT*2200	[0.50]	Plant Propagation
DHRT*4190	[0.50]	Greenhouse Vegetable Production

5. General Agriculture

DAGR*2150	[0.50]	Precision Agriculture
DAGR*2220	[0.50]	Viticulture and Oenology
DAGR*2360	[0.50]	Machinery Maintenance
DAGR*4150	[0.50]	Renewable Energy & Agriculture
DAGR*4220	[0.50]	Organic Production
DAGR*4350	[0.50]	Farm Structures and Environment
DENM*4210	[0.50]	Nutrient Management

### Elective Experiential Learning Courses

Students may take a maximum of 1.00 credits from the following experiential learning courses as electives.

DAGR*2170	[0.00]	Introduction to US Agriculture
DAGR*2180	[0.50]	Belize Study Tour
DAGR*3170	[0.50]	US Agriculture Study Tour
DAGR*3180	[0.50]	World Dairy Expo Study Tour
DAGR*3510	[0.50]	Experiential Learning in Agriculture
DAGR*3900	[0.50]	Special Project

### Associate Diploma in Environmental Management

This program applies technical and practical skills training in both a municipal / industrial stream as well as a rural / agricultural stream. The program is designed to address the critical shortage of trained and qualified sewage and/or water plant operators, and to train and certify personnel to assist growers in addressing nutrient management and source water protection regulations that affect many farms and rural residents across Ontario.

#### Required Courses

##### Semester 1 - Fall

DAGR*1090	[0.50]	Communications & Software Applications I
DENM*1000	[0.50]	Environmental Science and Issues
DENM*1150	[0.50]	Environmental Law and Governance
DENM*1200	[0.50]	Spills and Contaminated Site Remediation
DENM*2200	[0.50]	Environmental Monitoring

##### Semester 2 - Winter

DAGR*2090	[0.50]	Communications & Software Applications II
DENM*2150	[0.50]	Water Resource Management
DENM*3000	[0.50]	Data Analysis and Statistics
DENM*3100	[0.50]	Introduction to Applied Microbiology
DHRT*2230	[0.50]	Soil and Water Use in Agroecosystems

One of:

DAGR*2150	[0.50]	Precision Agriculture
DENM*2020	[0.50]	Advanced Math and Water Chemistry

DHRT\*2050 [0.50] Ecological Principles of Managed Landscapes

### Semester 3 - Fall

DENM\*2000 [0.50] Occupational Health and Safety  
 DENM\*2100 [0.50] Ecology  
 DENM\*3120 [0.50] Introduction to GIS  
 DENM\*4000 [0.50] Business Practices and Ethics  
 1.0 elective credits from:  
 DENM\*3030 [0.50] Not-For-Profit Management  
 DENM\*3150 [0.50] Agriculture and Environmental Stewardship  
 DENM\*3200 [0.50] Water Treatment  
 DENM\*3210 [0.50] Sewage & Waste Water Treatment  
 DENM\*3910 [0.50] Special Study Project  
 DENM\*4200 [0.50] Watershed Management and Conservation

### Semester 4 - Winter

DAGR\*4600 [0.50] Human Resource Management  
 DENM\*4050 [0.50] Environmental Project  
 DENM\*4400 [0.00] Environmental Industry Placement  
 2.0 elective credits from:  
 DAGR\*3130 [0.50] Sales and Sales Management  
 DAGR\*4150 [0.50] Renewable Energy & Agriculture  
 DENM\*3160 [0.50] Agricultural Chemicals in the Environment  
 DENM\*4070 [0.50] Waste and Water Operation Techniques  
 DENM\*4100 [0.50] Land Use Planning  
 DENM\*4120 [0.50] Advanced GIS  
 DENM\*4210 [0.50] Nutrient Management  
 DENM\*4250 [0.50] Industrial Waste Management

## Associate Diploma in Equine Care and Management

This two-year program provides students with the theoretical expertise, applied technical skills, and hands-on experience required by equine industry employers. It is well suited to individuals who are motivated to expand their knowledge and abilities in horse care and managing an equine-related business. A 140 hour industry externship at the end of the second year provides students with the opportunity to practise newly acquired skills, and work with equine management practices common to the industry.

### Required Courses

#### Semester 1 - Fall

DAGR\*1090 [0.50] Communications & Software Applications I  
 DEQN\*1010 [0.50] Introduction to the Horse Industry  
 DEQN\*1020 [0.50] Horse Structure and Function  
 DEQN\*1050 [0.50] Horse Health  
 DEQN\*1150 [0.50] Practical Horse Care I  
 DEQN\*1200 [0.50] Horse Facility Management and Design

#### Semester 2 - Winter

DAGR\*2090 [0.50] Communications & Software Applications II  
 DEQN\*2030 [0.50] Horse Conformation and Lameness  
 DEQN\*2040 [0.50] Horse Feeds and Nutrition  
 DEQN\*2100 [0.50] Horse Conditioning  
 DEQN\*2130 [0.50] Horse Reproduction  
 DEQN\*2150 [0.50] Practical Horse Care II

#### Semester 3 - Fall

DAGR\*1070 [0.50] Introduction to Business Management  
 DENM\*3150 [0.50] Agriculture and Environmental Stewardship  
 DEQN\*3050 [0.50] Advanced Horse Nutrition  
 DEQN\*3070 [0.50] Forage Management for Horses  
 DEQN\*3150 [0.50] Practical Horse Care III  
 DEQN\*3210 [0.50] Equine Complementary Therapies

#### Semester 4 - Winter

DAFL\*4050 [0.50] Leadership  
 DAGR\*1350 [0.50] Agricultural Mechanization and Safety  
 DAGR\*2020 [0.50] Financial Management  
 DAGR\*3080 [0.50] Marketing  
 DAGR\*4600 [0.50] Human Resource Management  
 DEQN\*4320 [0.50] Equine Business Venture  
 DEQN\*4500 [0.00] Industry Externship

## Associate Diploma in Horticulture

The nursery, landscaping, turf and floriculture segments of the horticulture industry areas of sustained growth and development in Ontario and Canada. The Associate Diploma in Horticulture program provides a basic curriculum in ornamental horticulture and an opportunity to take specialized courses in various components of the industry. Practical experience and training complements the more formal material presented in lectures and provides an opportunity to acquire the practical skills required in greenhouse and landscaping firms.

The Diploma in Horticulture program prepares students for a variety of career opportunities in landscaping, nursery and greenhouse firms, municipal parks, garden centres and private businesses.

### Required Courses

#### Semester 1 - Fall

DAGR\*1090 [0.50] Communications & Software Applications I  
 DAGR\*1200 [0.50] Applied Plant Science  
 DAGR\*1600 [0.50] Applied Mathematics  
 DHRT\*1000 [0.50] Landscape Management  
 DHRT\*1050 [0.50] Plant Identification I  
 DHRT\*2000 [0.50] Greenhouse Management

#### Semester 2 - Winter

DAGR\*2090 [0.50] Communications & Software Applications II  
 DHRT\*2090 [0.50] Introduction to Landscape Construction  
 DHRT\*2200 [0.50] Plant Propagation  
 DHRT\*2230 [0.50] Soil and Water Use in Agroecosystems

1.00 elective credits

#### Semester 3 - Fall

DAGR\*1070 [0.50] Introduction to Business Management  
 DHRT\*3050 [0.50] Plant Identification II  
 DHRT\*3170 [0.50] Horticultural Weed Science  
 DHRT\*4050 [0.50] Certification and Safety

1.00 elective credits

#### Semester 4 - Winter

DAGR\*2020 [0.50] Financial Management  
 DAGR\*4600 [0.50] Human Resource Management

One of:

DHRT\*4000 [0.50] Ornamental Plant Protection  
 DHRT\*4200 [0.50] Greenhouse Integrated Pest Management

One of:

DAGR\*4610 [0.50] Business Project  
 DAGR\*4650 [0.50] Farm Project

1.00 elective credits

### Electives

Horticulture students must take at least 3.00 elective credits.

Students may choose one Experiential Learning course and one Special Project course as electives. The Experiential Learning course is preferably to be started in the summer before the third academic semester. See the course descriptions for DHRT\*3510 and DHRT\*3910.

#### Semester 2

DAGR\*2180 [0.50] Belize Study Tour  
 DHRT\*2100 [0.50] Landscape Design  
 DHRT\*2160 [0.50] Greenhouse Control Systems  
 DHRT\*4190 [0.50] Greenhouse Vegetable Production  
 DHRT\*4300 [0.50] Arboriculture

#### Semester 3

DAGR\*3070 [0.50] Introduction to Agricultural Economics & Marketing  
 DHRT\*3120 [0.50] Applied Landscape Construction  
 DHRT\*3150 [0.50] Nursery Management  
 DHRT\*3180 [0.50] Greenhouse Structures and Engineering

#### Semester 4

DHRT\*2250 [0.50] Horticultural Equipment Management  
 DHRT\*3300 [0.50] Greenhouse Ornamental Production  
 DHRT\*4290 [0.50] Advanced Greenhouse Vegetable Production

## Associate Diploma in Turfgrass Management

Turfgrass management is a dynamic sector with opportunities across Canada and throughout the world. The Diploma in Turfgrass Management is a focused curriculum that will provide students with the skills to succeed in this competitive industry. The program utilizes the collaborative resources of the University of Guelph faculty and staff, industry professionals and the grounds, workshop and laboratory facilities of the Guelph Turfgrass Institute. Practical and scientific study is combined with a required summer work semester to provide students with a wide range of experience and knowledge. The Associate Diploma in Turfgrass Management is offered at the Guelph campus and prepares students for a variety of career opportunities including golf course management, lawn care, sports field management, parks management, sod production and related supply and service businesses.

Courses in the Associate Diploma in Turfgrass Management are restricted to students enrolled in the program.

Students are required to work full time for at least 15 weeks following winter semester 2. Work must be in the field of turfgrass management. In semester 2, students must seek, interview for, and secure employment in consultation with the program coordinator. Prior to the end of semester 2, students must complete fall semester 3 pre-registration and a formal learning contract among themselves, the employer and the program coordinator. Students in a nonconventional stream must complete the formal learning contract before beginning the 15-week work experience. Academic requirements for the work semester as indicated in the course description of DTM\*3100, Current Turf Practices.

### Required Courses

#### Semester 1 - Fall

DTM*1000	[0.50]	The Turf Industry
DTM*1100	[0.50]	Plant Biology
DTM*1200	[0.50]	Turf Equipment
DTM*1300	[0.50]	Turf Soil Principles
DTM*1400	[0.50]	Landscape Plants
DTM*2500	[0.50]	Arboriculture

#### Semester 2 - Winter

DTM*1500	[0.50]	Turf Communication Skills
DTM*2000	[0.50]	Turf Management I
DTM*2100	[0.50]	Turf Irrigation and Drainage
DTM*2200	[0.50]	Computers and Math for Turf
DTM*2400	[0.50]	Landscape Design
DTM*2600	[0.50]	Turf Environmental Management

#### Semester 3 - Fall

DTM*3000	[0.50]	Turf Management II
DTM*3100	[0.50]	Current Turf Practices
DTM*3200	[0.50]	Turf Diseases
DTM*3300	[0.50]	Turf Insects and Weeds
DTM*3400	[0.50]	Landscape Construction

0.50 electives

#### Semester 4 - Winter

DTM*4000	[0.50]	Turf Management III
DTM*4200	[0.50]	Design and Construction of Golf Courses and Sports Fields
DTM*4300	[0.50]	Turf Case Studies
DTM*4400	[0.50]	Human Resources Management
DTM*4500	[0.50]	Business and Finance for Turf

0.50 electives

### Electives

Students in Turfgrass Management are required to take 1.00 elective credits. Students should consult with their program counsellor for a complete list of options.

#### Semester 3

DTM*3800	[0.50]	Special Study Project I
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#### Semester 4

DTM*4600	[0.50]	Computer Assisted Design
DTM*4800	[0.50]	Special Study Project II

## Associate Diploma in Veterinary Technology

This program is designed for students interested in a career working with and caring for animals. The program is designed to provide the technical training and knowledge required to become veterinary technicians working in association with practising veterinarians. Students take a comprehensive range of courses and training related to the care of food and laboratory animals, as well as companion and sport animals. All students are required to complete a four-week externship during the final semester.

This program is fully accredited by both the Canadian Veterinary Medical Association (CVMA) and the American Veterinary Medical Association (AVMA). **Students may select 1 of 2 delivery options for this program.**

### Option 1 - Conventional Program (4 semesters over 2 years)

#### Note

All courses are compulsory. Progression into the subsequent semester is dependent on the successful completion of each course in the previous semester. No elective courses are offered in this program.

#### Semester 1 - Fall

DVT*1010	[0.50]	Anatomy and Physiology I
DVT*1040	[0.50]	Medical Exercises I
DVT*1150	[0.50]	Microbiology, Cytology and Hematology I
DVT*1160	[0.50]	Foundations of Veterinary Technology
DVT*2000	[0.50]	Companion Animal Management
DVT*2060	[0.50]	Communications & Vet Software

### Semester 2 - Winter

DVT*1000	[0.50]	Livestock Production and Management
DVT*2010	[0.50]	Anatomy and Physiology II
DVT*2150	[0.50]	Hematology II
DVT*2040	[0.50]	Medical Exercises II
DVT*2050	[0.50]	Urinalysis
DVT*2070	[0.50]	Pharmacology & Applied Calculations

### Semester 3 - Fall

DVT*3010	[0.50]	Animal Nursing I
DVT*3020	[0.50]	Parasitology & Clinical Chemistry
DVT*3030	[0.50]	Radiography I
DVT*3050	[0.50]	Surgical and Anaesthetic Principles I
DVT*3070	[0.50]	Animal Dentistry I
DVT*4040	[0.50]	Hospital Management

### Semester 4 - Winter

DVT*4010	[0.50]	Animal Nursing II
DVT*4030	[0.50]	Radiography II
DVT*4050	[0.50]	Surgical and Anaesthetic Principles II
DVT*4060	[0.00]	Externship
DVT*4070	[0.50]	Animal Dentistry II
DVT*4080	[0.50]	Vet. Tech. Practical Applications
DVT*4090	[0.50]	Laboratory & Exotic Animal Science

### Option 2 - Alternative Program (9 semesters over 3 years)

#### Note

All courses are compulsory. Progression into the subsequent semester is dependent on the successful completion of each course in the previous semester. No elective courses are offered in this program.

### Year 1

#### Fall Distance Education Courses

DVT*1100	[0.25]	Large Animal Production and Management I
DVT*1110	[0.25]	Intro to Veterinary Technology

#### Winter Distance Education Courses

DVT*1300	[0.25]	Large Animal Production and Management II
DVT*2000	[0.50]	Companion Animal Management

#### Summer Courses (On-Campus)

DVT*1010	[0.50]	Anatomy and Physiology I
DVT*1040	[0.50]	Medical Exercises I
DVT*1150	[0.50]	Microbiology, Cytology and Hematology I
DVT*1350	[0.50]	Pharmacology & Vet. Tech Math
DVT*2040	[0.50]	Medical Exercises II
DVT*2050	[0.50]	Urinalysis
DVT*2060	[0.50]	Communications & Vet Software

### Year 2

#### Fall Distance Education Courses

DVT*2100	[0.25]	Veterinary Nursing Techniques I
DVT*2200	[0.25]	Introduction to Immunobiology

#### Winter Distance Education Courses

DVT*2210	[0.25]	Introduction to Anesthetic Principles
DVT*2220	[0.25]	Introduction to Radiography

#### Summer Courses (On-Campus)

DVT*2150	[0.50]	Hematology II
DVT*2300	[0.25]	Veterinary Anatomy and Physiology
DVT*2310	[0.25]	Veterinary Nursing Techniques II
DVT*2320	[0.25]	Surgical Exercises
DVT*2330	[0.25]	Clinical Chemistry
DVT*2340	[0.50]	Exercises in Radiography I
DVT*3070	[0.50]	Animal Dentistry I

### Year 3

#### Fall Distance Education Course

DVT*3200	[0.25]	Public Health
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#### Winter Distance Education Course

DVT*3210	[0.25]	Veterinary Nursing Techniques III
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#### Summer Courses (On-Campus)

DVT*3300	[0.25]	Veterinary Nursing Techniques IV
DVT*3320	[0.25]	Veterinary Parasitology
DVT*3330	[0.25]	Veterinary Clinic Management
DVT*4030	[0.50]	Radiography II
DVT*4050	[0.50]	Surgical and Anaesthetic Principles II
DVT*4060	[0.00]	Externship



DVT*4070	[0.50]	Animal Dentistry II
DVT*4080	[0.50]	Vet. Tech. Practical Applications
DVT*4090	[0.50]	Laboratory & Exotic Animal Science

## **Degree Transfer Option**

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Students from Guelph or Ridgetown are eligible to consider the degree transfer option to the following degree programs at the University of Guelph:

Bachelor of Arts

Bachelor of Commerce (Agricultural Business or Hotel and Food Administration majors)

Bachelor of Science in Agriculture

Bachelor of Science

In order to be eligible for consideration for transfer students must have a cumulative average of 70%, and they must meet the basic entrance requirements of the desired degree program. Credits for courses completed in an Associate Diploma program will be assigned at the time of admission to a degree program as determined by the appropriate program committee.

## **Open Learning**

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### **Open Learning**

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The Open Learning program is an open admission distance-only part-time mode of study that provides access to diploma/degree-credit university courses for individuals who wish to study independently but are not interested in pursuing a degree at the University of Guelph at the present time. You may register in the Open Learning program, even if you are registered at another post-secondary educational institution. The Open Learning program extends the academic resources of the University to those interested in personal enrichment, professional updating, or eventual application to a degree program.

Open Learning program students must complete the same assignments and examinations as those in diplom/degree programs and are evaluated using the same standards. Upon successful completion of a course, learners receive the same credit weight for courses as would apply to courses taken within the degree program.

Further information is available from:

Open Learning & Educational Support

Room 160, Johnston Hall

519-767-5000

e-mail: [info@OpenEd.uoguelph.ca](mailto:info@OpenEd.uoguelph.ca) or

[www.OpenEd.uoguelph.ca](http://www.OpenEd.uoguelph.ca)

for an updated listing on courses available by Open Learning and when they are scheduled to be offered.

### **Note**

Please check with the Office of Open Learning regarding the technology and resource requirements (e.g. computer, modem etc.) for the specific course(s).