

## Landscape Design

A Three -Year Ontario College Advanced Co-operative Education Endorsed Diploma

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### The Program

Landscape Design educates and trains students in the creation of beautiful, practical and sustainable residential, commercial and recreational landscapes. Students learn how to plan for and design the elements of a landscape such as topography, drainage ways, roadways, pathways, plantings, water features, lighting and site furniture in relation to a client's proposed land use and existing site characteristics.

### The Content

Landscape Design students become adept at surveying and analyzing sites. Their insight supports their design concepts and their associated selection of plants and building materials. Courses in design theory, plant identification, horticulture, building materials and construction techniques inform student's work. Computer-aided design is fundamental to a student's communication of their landscape design projects.

### The Outcomes

Landscape Design graduates are employed in a diverse range of activities such as: residential and commercial property development, municipal parks and urban planning and design, landscape architectural practices, landscape design-build firms, plant nurseries. Some students pursue self-employment as landscape designers. The Landscape Design diploma allows students to begin the process leading to certification as a landscape designer or registration as a landscape architect.

### Sample Co-op Progression Chart:

September Intake Only

	Sept-Dec		Jan-Apr	May-Aug
<b>Year 1</b>	Academic Term 1		Academic Term 2	Work Term 1
<b>Year 2</b>	Academic Term 3		Academic Term 4	Work Term 2
<b>Year 3</b>	Work Term 3	Acad Term 5	Academic Term 6	

### Learning Outcomes

#### Year one:

- Understand the design process
- Understand how a modern landscape solution is affected by the history of landscape design, and the various styles/techniques commonly used in period gardens
- Measure a site and develop accurate base plans
- Undertake a detailed analysis of small commercial and residential gardens
- Prepare technical drawings, title blocks, details and landscape plans
- Prepare drawings and sketches in plan section and perspective
- Effectively use a wide range of landscape materials to prepare a design
- Identify and specify commonly used woody deciduous and evergreen plants
- Understand basic operations of computers used in a design setting
- Compete drawings using basic AutoCAD skills

#### Year Two

- Understand the impact of ecological elements in the development of a design
- Understand the history and the theory of modern architecture
- Understand the principles and techniques necessary to survey a site
- Interpret existing landforms and develop grading plans
- Understand the aesthetic principles associated with planting design
- Use perennials, annuals, vines and greases knowledgeably
- Prepare a full set of working documents including working drawings, specifications details and contracts
- Complete landscape plans using intermediate AutoCAD skills
- Present and illustrate designs at an advanced level
- Present and illustrate designs at an advanced level
- Use a range of computer programs to enhance design communication
- Apply hands-on experience in the use of concrete materials in landscape, ex. Paving stone

## Course Outline:

**Level 1** – Take all of the following Mandatory Courses  
WRIT-1036 Reason & Writing I – Art & Design  
COMP-1404 Dynascape - Intro  
DESG-1065 Landscape Design Studio I  
HORT-1047 Horticulture I  
LAND-1002 Site Inventory & Evaluation  
DESG-1075 Presentation & Illustration I  
HORT-1049 Woody Deciduous Plant ID  
LAND-1006 Land Styles and Techniques  
COOP-1020 Co-op Ed Employment Prep

**Level 2** – Take all of the following Mandatory Courses  
Gen Ed – Take a 3 credit Gen. Ed. elective course  
COMM-3023 Comm for Designers, Planners, Techs  
CADD-1010 Computer Drafting for Design I  
DESG-1008 Landscape Design Studio II  
DESG-1066 Landscape Materials  
HORT-1015 Horticulture II  
ARTS-1038 Presentation & Illustration II  
HORT-1050 Woody Evergreen Plant ID  
ARCH-3004 Modern Architecture

**Level 3** – Take all of the following Mandatory Courses  
CADD-3026 Computer Drafting for Design II  
DESG-3007 Landscape Design Studio III  
LAND-3001 Field Construction I  
HORT-3011 Plant Identification  
ARTS-3043 Presentation & Illustration I  
SURV-3013 Surveying & Site Services  
ECOL-1001 Ecology

**Level 4** – Take all of the following Mandatory Courses  
Gen Ed – Take a 3 credit Gen. Ed. elective course  
CADD-3027 Computer Drafting for Design III  
DESG-3042 Landforms  
DESG-3015 Landscape Design Studio IV  
METH-3002 Working Documents  
HORT-3013 Planting Design Studio  
COMP-3079 Computer Illustration  
LAND-3008 Field Construction II

**Level 5** – Take all of the following Mandatory Courses

**Group 1**  
CADD-5004 Computer Drafting for Design IV  
DESG-5022 Landscape Structures I  
METH-5008 Special Projects/ Research & Dev  
ARTS-5015 Computer Illustration II  
MTNC-5001 Landscape Management  
DESG-5004 Landscape Studio V

## Group 2

CONS-5013 Landscape Construction  
LAND-5006 Landscape Studio V (Italian)  
LAND-5007 Landscape Theory (Arch & Design)  
LAND-5008 Critical Readings  
LAND-5009 International Studies  
CADD-5004 Computer Drafting for Design IV

**Level 6** – Take all of the following Mandatory Courses  
CADD-5015 Computer Drafting for Design V  
DESG-5010 Landscape Structures II  
DESG-5009 Landscape Studio VI  
METH-5017 Special Project/Research & Dev II  
METH-5014 Professional Practice  
METH-1043 Geographical Information System I  
BUSI-1148 Small Business

## Program Requirements:

- Take two 3-credit General Education Elective Courses
- Program Residency

Students must complete a minimum of 28 credits in this program at Fanshawe College to meet the Program Residency requirement and graduate from this program.

## Why Should You Hire a Co-operative Education Student?

Many employers feel today's graduates have no concept of the "real" world of work; we are providing this experience in Co-operative Education. Any job that gives the student related background in your business would be suitable.

Eligible employers can claim a tax credit for each qualifying work placement for up to \$3000.

Co-operative Education students are ultimately looking ahead to careers in businesses such as yours. For this reason they are not expecting to simply put in time on the job, but are eager to get involved and make a worthwhile contribution. Participation in co-operative education also gives the employer the opportunity to try out a student's capabilities without obligation or commitment to permanent employment.

This work oriented educational system integrates classroom study and paid, on-the-job work experience, by alternating periods in College with periods of employment by co-operating organizations. The work terms are spaced out through the academic program and students will be at various academic levels in successive work terms. The working experience will ideally increase in difficulty and responsibility as the student progresses academically. However, the College realizes it is often difficult in practice to do this.

It is essential that the work experience be a normal one; that the student be treated like a regular company employee so that a realistic picture of the working environment in that field may be obtained. Perhaps most important is what students gain from the working experience: an attitude for success and the ability to get along with co-workers at all levels.

