Bachelor of Applied Arts:
Integrated Land Planning Technologies

(4-year applied degree, co-op)

For students interested in how land and buildings are brought into development, in a way that respects nature and builds cost effective and efficient sustainable communities, our Integrated Land Planning Technologies program is an ideal option. It is a blend of landscape design, urban and regional planning, geographic information systems, computer-aided design and graphic presentation. Four years of in-school study are combined with three paid co-operative education work terms to prepare you for an exciting career in the land development industry.

Career opportunities

Graduates will be trained to create multidisciplinary solutions and work effectively within the complex land development industry. Employment opportunities exist in government agencies, within planning and development, environmental services, parks department, or natural resources areas. Graduates may also work for urban and regional planning consultants or for land development corporations in technical or supervisory roles, with potential to rise to management and leadership positions.

This is what employers are saying...

"...PEIL can most certainly see the wisdom of such a program and would be eager to work with co-op students from the program and to potentially hire graduates..."

David R. Sisco, BA, MCIP, RPP
Senior Planner, Principal
Planning & Engineering Initiatives Ltd

"I have no hesitation in supplying an endorsement ... My experience indicates that, by the time the first graduates of this program would be on the market in 2008, the Urban and Regional Planning field will be experiencing a skill shortage not only due to retirements, but also because of the already rapid development of the use of high-tech tools in the field, which will only increase in the foreseeable future."

Derek Dudek, B.A., Planner
Cumming Cockburn Limited,
London Branch

While earning your bachelor of applied arts degree you will ...

- develop in-depth knowledge and skills in the fields of landscape design and urban and regional planning, as well as a good working understanding of the principles of municipal engineering and architecture
- complete projects using the same cutting-edge software that is used in the industry, including computer-aided design (CAD), geographical information systems (GIS), 3D modeling, remote sensing, spatial analysis, and digital imaging/videography
- learn how to gather relevant data from spatial and tabular databases, perform analysis, apply the output to landscape and planning design briefs, and create sophisticated multimedia presentations for decision-makers
- study theoretical subjects such as aesthetics, sociology, economics, ecology, civics and history. This will round out your education and enable you to prepare design solutions that are socially responsible and that reflect a respect for complex short- and long-term implications

1. A field trip to the presentation house of Monarch Construction. Model of Toronto waterfront condominium built by Peter McMann Architectural Models. Concept and design of model by Monarch Construction Limited.
2. Project by second year Urban and Regional Planning Technology student, Reza Barzanjah.

Frequently Asked Questions

What is an applied degree?

An applied degree is a four-year undergraduate baccalaureate degree in an applied field of learning and knowledge. Applied degrees combine theory and analytical skills with career focused, hands-on experience. When you graduate, you will have a Bachelor of Applied Arts (BAA) degree.

Why consider this degree program to build your career?

If you are intrigued by how land is developed or conserved, if you are interested in nature, the environment, travel, geography, and like working with computers, this program may fit your career objective.

Learning is based on case studies, real-world hands-on projects, and the integration of theory and technologies that support land planning. This background prepares you for real-world land development and conservation projects.

The Integrated Land Planning Technologies program has three paid co-operative education work terms which increase your knowledge and skills, and provide you with valuable employment references and industry contacts. Upon graduation, you'll be job-ready in a growing marketplace in the various aspects of land planning.

What will the jobs be like and for whom would I work?

Graduates will work with landscape architects, urban and regional planners, civil engineers, and architects. Positions within these professions will be at a senior supervisory level with local and senior governments such as cities, regions, counties, conservation authorities and ministries (e.g. natural resources and municipal affairs) and departments (e.g. public works and environment). Other positions may be with private sector businesses, including land development companies, consultants, and land based industrial corporations. Or, you might consider establishing your own business as a consultant.

What will be the typical starting salary for co-op and grads?

It will vary, but an average starting wage will be approximately $15 per hour for co-op, and $35000 to $40000 for grads.

What traditional disciplines/professions are used as the basis for this program?

The core disciplines are landscape architecture, and urban and regional planning. These are broad disciplines of learning in themselves. Also included are aspects of the disciplines of architecture, civil engineering and graphic communications. All of these disciplines provide the base knowledge and methods that affect how we go about altering our physical environment, whether it be developing land for a new neighbourhood or shopping centre, or conserving land because it is prime agricultural land or a significant natural area.

What are the academic requirements for admission into this degree program?

Admission requirements include an Ontario Secondary School Diploma (OSSD) with courses from the University (U) or University/College (U/C) stream including grade 12 English (U), any grade 12 Mathematics (U), one of the following courses: Grade 12 Biology (U), Grade 12 Chemistry (U), Grade 12 Physics (U) or Grade 12 Geography (U) or (U/C), plus three additional Grade 12 University (U) or University/College (U/C) courses. A minimum average of 65.0% is required on six Grade 12 University (U) or University/College (U/C) courses which includes the pre-requisite courses stated above.

What is the cost of tuition and other expenses?

Annual tuition is approximately $5000. Other costs including co-op fees, books, supplies and equipment will cost approximately an additional $800.

Will students need to purchase a computer and software?

No, each student will have access to fully equipped, state-of-the-art computer labs. Each desktop computer will have a large workspace to accommodate large format drawings and plans. The lab will be equipped with peripheral scanning, projection, printing and plotting equipment. Computer lab access will be 24/7. However, having your own computer at your residence for basic word processing and spreadsheet applications would be a convenience.

How many students will be in a classroom?

Approximately 25 to 45, depending on the level and course as well as the needs of the teaching/learning environment.

What are the qualifications of our professors?

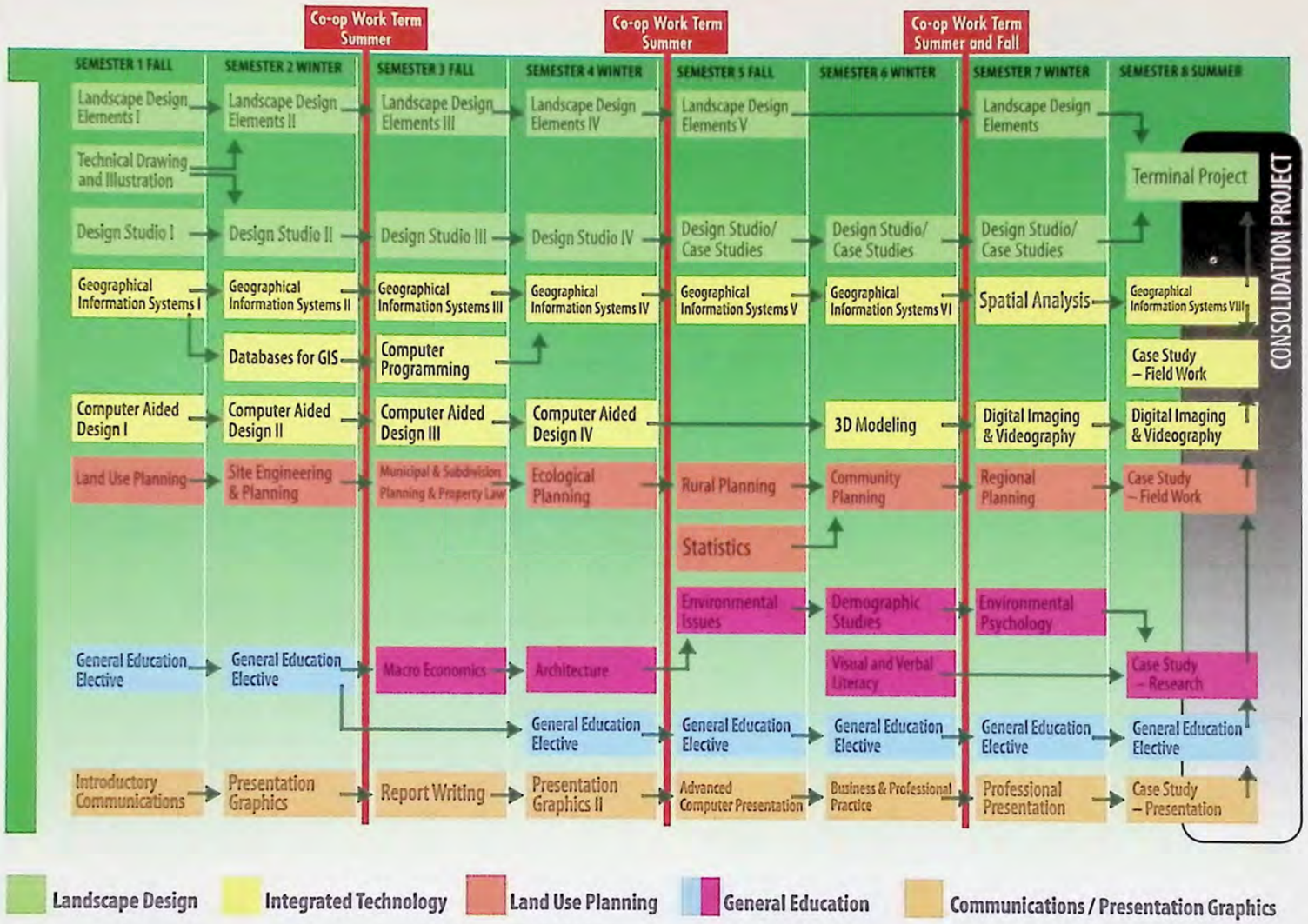
Professors teach courses matching their expertise and specialty. Professors' academic qualifications include PhDs, masters', and honours bachelors' degrees in combination with diplomas of higher learning, plus significant practical experience in relevant fields to ensure that they are current and can provide you with the skills and knowledge you need.

What will the physical teaching-learning environment be like?

A simulated workplace environment will be provided, for an applied learning focus. Students will spend approximately one-third of their course time in lectures and studios, one-third in computer labs, and one-third on project design and research, all supported by field trips and case studies.

A Real Degree for the Real World

Program Progression



Why choose Fanshawe?

- Fanshawe is one of the top 3 colleges in Ontario with over 91% of our graduates finding employment within 6 months of graduation.
- Employers recognize our graduates as being well-prepared in their chosen field.
- We have excellent facilities including new buildings, classrooms, labs, gymnasiums, residence buildings and state-of-the-art Student Centre.
- Fanshawe offers career counselling and job search assistance to launch your career.
- Fanshawe has a number of articulation agreements with many universities.

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The College reserves the right to make changes to this information without notice.

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