



Vancouver Community College International Education

Drafting Technician – Steel Detailing

Program Type:	Certificate (Diploma with additional specialty)
Program Length:	10 months
No. of Credits:	40
Start Date:	September 4, 2012
Location:	Downtown
Total Fees:	Approximately CAD\$ 15,000.00*

Admission Requirements

- Grade 12 graduation, GED or equivalent (applicants should be 18 years of age or older or a graduate of a secondary school)
- Academic Math 11 or equivalent (Trigonometry and Algebra recommended)
- Applicants whose first language is other than English, who have not completed English 098/099 and are presenting foreign documents equivalent to Grade 12, must successfully complete an English Language Assessment which includes a Canadian Language Benchmark of Listening 8, Speaking 7, Reading 8, and Writing 7 or better. Or TOEFL iBT79 or IELTS 6.5 (no band less than 6) **

Note: Seats are offered to applicants who have met all admission requirements, on a first-qualified, first-served basis

Note: All program information including tuition and other fees, course/program content, length, admission requirements, prerequisites, start/end dates, postponements and/or cancellation is subject to change without notice. Before applying, please kindly check with us at study@vcc.ca

Total Fees include: Application fee of \$125, Tuition fee of \$13,988, Ancillary fee of \$150, College initiative fee of \$89.60, Student union fee of \$48.22, Student union health plan fee of \$144.68, Student union dental plan fee of \$137.82, U-PASS \$300.

Additional costs: Textbooks and supplies are approximately \$1,000

* Fee and other fees are approximate and subject to change due to yearly increases. Students will be required to pay increased rates if the fees change at any time during the period of enrolment in the program. The application fee is non-refundable.

** IELTS Academic Module and TOEFL iBT scores are valid at VCC for one year.

Description

Term 1 - The first three months covers the study of concepts, techniques and accepted practices in the drafting industry. Students learn computer aided drafting and are introduced to specialty areas of drafting.

Term 2 – The steel detailing student learns how steel is produced for the construction industry, and by means of a field trip, how it is fabricated for site installation. The basic concepts involved in steel detailing, including bolting, welding and connection types, are introduced through a series of small industrial drawing projects.

Term 3 – Students advance to larger, more complex projects utilizing wind bracing, full-strength welding, and steel truss detailing, and culminating in a project that mirrors the day-to-day activities in a drafting office.

Computer Aided Design is an important part of our programs. The majority of your time will be spent working with a software program called AutoCAD. This is the standard software being used in industry to produce drawings. You will also have the opportunity to learn one of the most widely-used 3D modeling applications for steel detailing, Tekla Structures.

Term 1 – Course Name	Term 2 – Course Name	Term 3 – Course Name
Basic Drafting 1	Applied Geometry	Detailing Using Geometry
Basic Drafting 2	Job Search Skills	Heavy Steel Framing
	Square Framing	Steel Trusses
	Steel-Properties and Fabrication	Virtual Steel Detailing Office
	Using 3D Detailing Software	

Career Prospects

For those who are planning a career in Engineering, the Drafting Programs at VCC offers the logical starting point. As an Engineer/Drafter, you would better understand the design concepts as shown on working drawings. As well you would be qualified to work as a Drafter in the Engineering Industry during scheduled breaks at University while studying for your Degree. Being trained as a Drafter at VCC will offer the graduating student opportunities to enter a number of different environments within the Engineering Industry. Areas included are: Consulting Engineers, Fabrication shops and Manufacturing companies. Your job may involve work in any of the following areas:

- Mining
- Forestry
- Pulp & Paper
- Oil & Gas
- Environmental
- Water Treatment
- Architectural



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