

## PRE-REQUISITES

- Registered in a Surrey public school and not yet achieved Ministry of Education graduation
- Between 15 and 19 years of age
- Good attendance and punctuality
- Successful completion of Grade 10, Grade 11 recommended
- A recommended "C+" or better in a Math 10, Grade 11 recommended
- Have taken or are enrolled in Drafting/CADD 11 and/or 12

## APPLICATION PROCEDURE

- Have a discussion with your Career Facilitator, counsellor and parent/guardian to ensure the program meets your goals
- Obtain a district partnership application package from your Career Centre
- Arrange for a site visit through your Career Facilitator
- Submit a completed application package with all supporting documents to your Career Facilitator before the specified due date
- If short-listed, attend an interview with the District Career Coordinator
- Visit [www.kpu.ca](http://www.kpu.ca) to learn more about the Drafting/CADD Program

## SELECTION PROCESS

- Students who submit completed applications will have a preliminary interview with their school Career Facilitator
- Applications are forwarded to the district office for review
- Only short-listed candidates will be interviewed for a potential seat in the program
- Students must be on-track to meet the acceptance criteria for the post-secondary institute
- Students must be able to meet the physical demands of the program
- Students must meet all criteria, be self-motivated, independent learners and capable of success in the program

The Drafting/CADD Program is located at:

### **Kwantlen Polytechnic University**

Cloverdale Tech Campus  
5500 – 180 Street  
Surrey, BC V3S 6R1

For further information contact:

**Frank Hurt Career  
Education Department**

**Ms. T. Dawson**

or

**Mr. J. Lehal**

Or

**Surrey Schools District Career  
Education Department**

# **DRAFTING/CADD CITATION IN CADD TECHNOLOGIES**

A partnership between

**Kwantlen Polytechnic  
University**



And



**Career Education Department**

Are you interested in a Computer Aided Design and Drafting (CADD) career?

### JOB DESCRIPTION

The jobs in this field vary depending on the specialty diploma option you choose after completing the citation.

**Architectural** - create 3D models and 2D drawings for residential, commercial and government buildings. Jobs can be found in architectural design offices, manufacturing companies, construction companies and municipal offices.

**Structural** - create 3D models and 2D drawings for steel, concrete, and wood structures. They also prepare site drawings. Jobs can be found in engineering offices, steel fabrication shops, and highway, railway and marine facilities.

**Mechanical** - create 3D models and 2D drawings that detail industrial layouts such as conveyors and process piping, and manufacturing information for component assemblies and details. Jobs can be found in engineering firms, product design companies, construction companies or in fabrication shops.

**Other Specialties** - Electrical, Industrial, Manufacturing and Civil.



### CONNECT TO POST SECONDARY

Through the Drafting/CADD Program you have the potential to earn both high school and post-secondary credits.

### COURSE CREDITS

- PSIJ 12A
- PSIJ 12B
- PSIJ 12C
- PSIJ 12D

Students complete one course per semester. The third course is completed in the second semester through a challenge exam. The fourth course takes place as an “intersession”. See below.

### PROGRAM LENGTH

- September to June
- September – April: 2 nights a week, Tuesday AND Thursday, 4-7 p.m.
- May – June: 1 night a week, Tuesday OR Thursday (TBD), 4-10 p.m., plus online component

### COSTS (Paid by the Student)

- Textbooks and online resources \$50

### PROGRAM DESCRIPTION

The Citation incorporates the CADD Core that prepares students for the Specialty semester. Courses completed include the following. They correspond with the PSIJ course credits:

CADD 1100	Drafting Fundamentals
CADD 1150	CAD Computer Aided Drafting
CADD 1160	Office Procedures & Software
CADD 1110	Summative Projects

The Computer Aided Design & Drafting (CADD) program is designed to develop and enhance practical skills; increasing students' knowledge for a successful CADD career. Throughout the program students will design and draft various projects that are produced in digital and physical models. Students will obtain extensive experience utilizing AutoCAD and BIM software.

Services provided through funding arrangements with the Surrey School District Career Education Department.