



CAREER PROGRAMS

SCHOOL DISTRICT NO. 38 (RICHMOND)

If you want to climb a mountain...



...it starts with your first step.



@sd38careers

careerprograms.sd38.bc.ca

RICHMOND
SCHOOL DISTRICT NO. 38

Career Programs: A Future Without Limits

TAKE YOUR FIRST STEP TO A FUTURE IN TRADES

Start Level 1/Foundation in 2024-2025

A partnership with the indicated post-secondary school and SkilledTradesBC (STBC).
Receive **FREE TUITION** with Richmond SD38! Earn **DUAL CREDITS** in each program!

SKILLEDTRADES^{BC}



PLUMBING

Semester 2 – held @ Palmer Secondary
(UAPIC Satellite Campus)

Pre-requisites (by program start) and Attributes

- Any Math 11 AND a Language Arts 11; Physics 11 recommended Previous tech ed course(s) experience an asset (tools, measurement)
- Successful result on district math assessment
- Physically able (tight spaces, moving heavy equipment)
- Critical thinker

You Will Learn How To

- read and interpret blueprints, drawings and project specifications
- install, repair and maintain plumbing fixtures and systems
- install specialized systems and apply electrical concepts
- select, measure, shape and join pipes (incl. use welding equipment)
- locate, prevent, repair and test pipes for leaks

What You Will Earn

- STBC: Certificate of Completion (Level 1 technical training) + 375 work-based training hours
- High School: 16 credits (4 courses) at Grade 12 level



PROFESSIONAL COOK1

Schedule TBD – held @ Richmond Secondary
(VCC Satellite Campus)

Pre-requisites (by program start) and Attributes

- Any Math 11 AND a Language Arts 11
- Previous Culinary Arts or Home Ec. course(s) an asset
- Successful result on district math/English assessment
- Able to work in a fast-paced environment
- Can work alongside others and multi-task

You Will Learn How To

- order, organize and store food safely
- prepare and cook with a wide variety of ingredients
- experiment with different flavours and cuisines
- create dishes and plan menus
- prepare food for all sorts of customers, occasions and events

What You Will Earn

- STBC: Certificate of Qualification (Level 1 technical training) + 300 work-based training hours
- High School: 16 credits (4 courses) at Grade 12 level + VCC Credits (30)



AIRCRAFT MAINTENANCE ENGINEER

May start date - held @ BCIT
(Richmond Aerospace Campus)

Pre-requisites (by program start) and Attributes

- Any Math 11 (min 60%) AND a Language Arts 11 (Gr 12 by program start – min 50%)
- Must have Physics 11 (SD38 requirement)
- Senior Tech Ed (ADST) course(s) strongly recommended
- Successful result on BCIT Mechanical Reasoning Test
- Critical thinking and an interest in mechanics/flight

You Will Learn How To

- interpret technical manuals, drawings and blueprints
- disassemble and reassemble aircraft
- remove and replace defective aircraft parts
- inspect aircraft and test aircraft systems
- document an aircraft's maintenance history

What You Will Earn (64 month program)

- STBC: Aircraft Maintenance (AM) Technician Certificate of Apprenticeship (after 7200 work hrs and age 21, apply to Transport Canada for AM Engineer License)
- High School: 16 credits (4 courses) at Grade 12 level + BCIT Credits (34 – Term 1)

BCIT



ELECTRICIAN – COMMON CORE

Feb - July – held @ North Delta Secondary
(BCIT Satellite Campus)

Pre-requisites (by program start) and Attributes

- Any Math 11 (min 60%) AND a Language Arts 11 (Gr 12 by program start – min 50%)
- Must have Physics 11 (SD38 requirement)
- Senior Tech Ed (ADST) course(s) required
- Successful result on District math/English assessment
- Critical thinking and an ability to troubleshoot

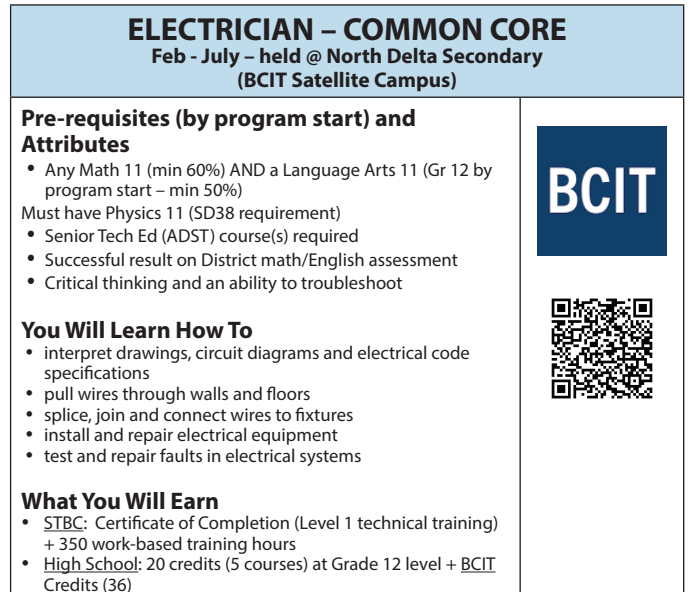
You Will Learn How To

- interpret drawings, circuit diagrams and electrical code specifications
- pull wires through walls and floors
- splice, join and connect wires to fixtures
- install and repair electrical equipment
- test and repair faults in electrical systems

What You Will Earn

- STBC: Certificate of Completion (Level 1 technical training) + 350 work-based training hours
- High School: 20 credits (5 courses) at Grade 12 level + BCIT Credits (36)

BCIT



CARPENTRY – FRAMING & FORMING

Feb - July – held @ BCIT (Burnaby Campus)

Pre-requisites (by program start) and Attributes

- Any Math 11 (min 60%) AND a Language Arts 11 (Gr 12 by program start – min 50%)
- Must have Physics 11 (SD38 requirement)
- Senior Tech Ed (ADST) course(s) required
- Successful result on District math/English assessment
- Critical thinking and an ability to troubleshoot

You Will Learn How To

- read blueprints and follow building codes
- use construction hand and power tools
- measure, cut, shape, assemble and join materials on site
- build foundations, install floors, sub-flooring, walls and roofs
- install doors, stairs, moulding and hardware

What You Will Earn

- STBC:** Certificate of Completion (Level 1 technical training) + 450 work-based training hours
- High School:** 20 credits (5 courses) at Grade 12 level + **BCIT Credits (46)**

BCIT



AUTO COLLISION & REFINISHING TECH

Feb - Oct – held @ VCC (Broadway Campus)

Pre-requisites (by program start) and Attributes

- Any Math 11 (min 60%) AND a Language Arts 11 (Gr 12 by program start – min 50%)
- Senior Tech Ed (ADST) course(s) required
- Successful result on District math/English assessment
- Having a driver's license is an asset (to move cars in/out of shop)
- Mechanical aptitude and good eyesight and colour vision

You Will Learn How To

- review damage reports and estimates
- analyze and diagnose structural damage
- fix exterior damage and replace body components
- fix interior seats, carpets and floorboards
- inspect and test-drive vehicles for proper alignment/handling

What You Will Earn

- STBC:** Certificate of Completion (Level 1 technical training) + 625 work-based hours (Collision) + 450 work-based hours (Refinishing)
- High School:** 32 credits (8 courses) at Grade 12 level + **VCC Credits (42)**

VANCOUVER
COMMUNITY
COLLEGE



AUTOMOTIVE SERVICE TECHNICIAN

Feb - Sept – held @ BCIT (Burnaby Campus)

Pre-requisites (by program start) and Attributes

- Any Math 11 (min 60%) AND a Language Arts 11 (Gr 12 by program start – min 50%)
- Physics 11 strongly recommended
- Senior Tech Ed (ADST) course(s) required
- Successful result on District math/English assessment
- Mechanical aptitude and an ability to troubleshoot

You Will Learn How To

- inspect, diagnose and service cars and light trucks
- repair engines, vehicle suspensions, and steering, braking, and electrical systems
- use computerized diagnostic equipment and adjust components
- do general maintenance, wheel alignments, oil changes, tune-ups

What You Will Earn

- STBC:** Certificate of Completion (Level 1 technical training) + 450 work-based training hours
- High School:** 28 credits (7 courses) at Grade 12 level + **BCIT Credits (60)**

BCIT



WE ALSO OFFER THESE TRADES... DON'T SEE "YOURS" HERE? ASK US!

Other Skilled Trades BC Trade Programs

Offered in Richmond SD38:

Baking and Pastry Arts @ VCC (MUST apply by February deadline)

- Cabinetmaker (Joiner) @ BCIT
- CNC Machinist @ BCIT (2-yr program)
- Heavy Duty Mechanic @ VCC
- Millwright @ KPU (Cloverdale)
- Metal Fabricator @ BCIT
- Painter and Decorator @ FTI
- Refrigeration Technician @ BCIT
- Sheet Metal @ BCIT
- Welder (@ School TBD)



**CLICK HERE TO VIEW
MORE PROGRAMS ON OUR WEBSITE!**



TAKE A STEP TO OTHER CAREERS...



MANUFACTURING & ENGINEERING CO-OP

Semester 2 (Students take this @Burnett Secondary)

Pre-requisites (by program start) and Attributes

- taken in Grade 11 or 12 (return to home school next year/graduate from home school)
- previous tech ed (ADST) course work is an asset and C+ or higher in Mathematics 10/11
- creative, problem-solver who enjoys the design thinking process (Empathize, Define, Ideate, Prototype and Test)
- able to work independently and on a team to challenge assumptions, redefine problems and create innovative solutions to prototype and test

Program Features

- learn concepts in machining, manufacturing, fabricating and engineering
- 90-100 hours volunteer work experience with local manufacturing/engineering firms
- significantly reduced fee to take industry certificate through NorthWest Skills Institute
- must have access to a computer (while taken at Burnett, some modules are on-line)

What You Will Earn

- NorthWest Skills Institute: Industry-recognized Certificate (increasing employability)
- High School: 16 credits (4 elective courses) at Grade 11/12 level

EARLY CHILDHOOD EDUCATION ASSISTANT

All of July 2024 (Mon-Fri full days) (In Richmond)

Pre-requisites (by program start) and Attributes

- ability to work both independently and in a group setting
- enjoy working with young children
- excellent attendance
- minimum of a C+ in Math 10; Math 11 preferred
- minimum of a C+ in English 10; English 11 or Comm 11 preferred
- registered in a Richmond SD38 and entering either grade 11 or 12 in September 2023

Program Features

- a post-secondary program offered in partnership with Delta Continuing Education
- designed to enhance practical skills via one-day-a-week spent at a day care centre
- courses include: Health, Safety & Nutrition, Interpersonal Skills, Intro to ECE + more!
- upon successful completion of all summer course work, student is qualified to work in a day care centre

What You Will Earn

- ECE Assistant Certificate (after making application with the BC ECE Registry)
- Credits earned with Delta Continuing Education that may be applied toward Basic ECE Certification (students may ladder into this upon high school graduation)
- High School: 8 credits (2 elective courses) at Grade 12 level

RCMP YOUTH ACADEMY

Summer 2024 (specific date TBD)

Pre-requisites (by program start) and Attributes

- students entering Grade 11 or 12 in the next school year may apply (cost is only \$200)
- have an interest in policing and/or emergency services
- a willingness to take a risk, and push oneself to step out of your comfort zone
- be interested in living a healthy lifestyle, and to be physically fit (by program start)
- applicant success with interview and physical fitness test results
- be available for ALL FIVE DAYS plus graduation evening in summer (**cannot be working during program or attending summer school**)

Program Features

- engage in a simulated RCMP training environment that involves role-playing the realities of policing in a condensed format over five full days
- receive instruction and lectures on law, social and communication skills, physical training, as well as some police tactics and other topics
- simulate the role of a police officer and observe role-playing, sharing their observations
- speak in front of groups while being evaluated by the instructional staff and their peers

What You Will Earn

- career exploration experience to feature on your resume for post-secondary application
- an invaluable experience that teaches discipline, leadership, and teamwork

HEALTH CARE ASSISTANT

Sept 2024 or May 2025

(8-month program @VCC Broadway)

Pre-requisites (by program start) and Attributes

- a genuine concern for the well-being of others and be very mature
- ability to perform activities requiring personal hygiene and grooming of clients
- be in excellent health, have good physical stamina and have no sensitivity to latex
- must have completed English 12 by start of program
- Standard First Aid including current CPR level C
- BC Foodsafe Level 1 certificate
- see VCC website for required/recommended immunizations

Program Features

- provide care and assistance for clients with complex health care needs, including cognitive and/or mental health challenges
- interact with a healthcare team, while contributing to effective working relationships and achievement of goals
- use an informed problem-solving approach to provide care that promote the physical, psychological, social, cognitive and spiritual well-being of clients and families
- 30-week practical/theoretical skills + 2-week practicum in a health care facility
- Student pays program fees ~\$1100.00; Richmond SD38 covers cost of tuition ~\$3000.00

What You Will Earn

- VCC: 38.5 credits and Health Care Assistant Certificate
- High School: 28 credits (7 elective courses) at Grade 12 level

MEDICAL LAB ASSISTANT

Sept 2024 (8 month program @VCC Broadway)

Pre-requisites (by program start) and Attributes

- ability to perform activities requiring use of fine motor skills
- able to work well in stressful situations
- excellent interpersonal and communication skills
- minimum of a "B" in English 12 and a minimum "C-" in Biology 12
- minimum word-processing speed of 40 wpm (VCC tests for this)
- see VCC website for required/recommended immunizations

Program Features

- learn to collect, handle and process specimens for lab analysis
- perform cardiac monitoring tests and medical lab administrative functions
- learn effective interpersonal skills and how to use a range of medical equipment
- 20-week practical/theoretical skills + 4-week practicum in a medical laboratory
- Student pays program fees ~\$1500.00; Richmond SD38 covers cost of tuition ~\$2400.00

What You Will Earn

- VCC: 24 credits and Medical Lab Assistant Certificate
- High School: 28 credits (7 elective courses) at Grade 12 level

Link38 (LEARNING in KWANTLEN)

Semester 1 (take one tuition-free course via KPU Richmond)

Pre-requisites (by program start) and Attributes

- only Grade 11 students entering Grade 12 in the next school year may apply
- applicant plans to attend a post-secondary school after Grade 12 graduation
- able to manage regular Grade 12 course load PLUS a post-secondary course
- have excellent work habits, time-management skills and attendance records
- able to work independently and on a team

Program Features

- students take one course (from a list selected by SD38 Career Programs and KPU)
- course tuition is paid by Richmond SD38
- course selected MUST directly correspond to applicant's post-secondary career transition pathway (options limited to those listed in Link38 application)
- course is university transferable, however, students must confirm this with post-secondary they plan to attend upon graduation

What You Will Earn

- KPU: Credit for success in KPU course taken + registered as a KPU student
- High School: 4 credits (1 elective course) at Grade 12 level

NEW

NEW

KPU SCOTIABANK STRIVE COURSE

Semester 2 (take one tuition-free course via KPU Richmond)

Pre-requisites (by program start) and Attributes

- students entering Grade 11 or 12 in the next school year may apply
- seeking applicants who may be from an underrepresented group, are in an alternate program and/or might otherwise not consider taking a post-secondary course
- no pre-requisites and no interview (submit application = accepted)
- applicants may be on a Dogwood or Evergreen track (may not yet be achieving all graduation requirements)
- a willingness to take a risk, and is able to work independently and on a team
- have access to a computer (support for this can be provided if necessary)

Program Features

- students take a **pre-selected Faculty of Arts course**; all SD38 students are in same class
- KPU offers a safe, comfortable, and highly supportive learning environment with the aim of all students achieving success
- provides an equitable and inclusive learning environment, where students are encouraged and hopefully inspired to explore and achieve their potential
- offers multiple levels of support (literacy support, Learning Centre support, student mentor/class KPU ambassador and tutor if needed)

What You Will Earn

- KPU: Credit for success in KPU course taken + registered as a KPU student
- High School: 4 credits (1 elective course) at Grade 12 level



PALO ALTO CYBERSECURITY CO-OP (PACC)

Semester 2 – contact Richmond Virtual School to register

Pre-requisites (by program start) and Attributes

- students entering Grade 10 or 11 in the next school year may register
- successful result on district math and reading assessment
- previous experience using an on-line learning platform an asset
- previous experience or coursework in computer systems and/or programming
- have access to a computer

Program Features

- Become a certified cybersecurity entry level technician with Palo Alto by taking two courses (FOUR modules) plus a work experience (WEX) course (blended learning model):
 - Level 1 Modules - cybersecurity foundation and network security
 - Level 2 Modules - cloud security and security operations fundamentals
- Learn to install, configure, and manage firewalls and take steps for threat prevention
- Learn to manage anti-malware/spyware software and troubleshoot network issues to identify possible vulnerabilities
- Students apply their learning via a 90-100 volunteer work experience (WEX) placement
- Offers students the first step to a rewarding career in cybersecurity (certification below)

What You Will Earn

- Palo Alto: Palo Alto Networks Certified Cybersecurity Entry-Level Technician (PCCET)
- High School: 12 credits (3 elective courses) at Grade 11/12 levels + Co-op Certificate

Click on the specific program tile for more information:



Tuesday Due-Days!

All application due dates are on a TUESDAY.

**DUE = to Career Programs Office, NOT
your counsellor**

Find specific program applications on the
SD38 Career Programs website or
see your counsellor.

Applications contain submission instructions.

STRIVE (for Jan 2024) – October 3, 2023

RCMP Youth Academy –
December 5, 2023

TRAIN in TRADES* (Due Date #1) –
February 13, 2024

ECE Assistant Program –
March 5, 2024

**Manufacturing & Engineering
(MEC)** – March 12, 2024

Health Care Assistant – April 9, 2024

Medical Lab Assistant – April 9, 2024

TRAIN in TRADES* (Due Date #2) –
April 16, 2024

Link38 (KPU) – May 14, 2024

Cybersecurity – register with
RVS (runs semester 2)

***For TRAIN IN TRADES:**

Baking Applications must be received by
Due Date #1 – no exceptions.

If space remains after the two due dates,
applications MAY be accepted (except baking).
(First CHECK with Career Programs to confirm
remaining seat availability.)

OUR WEBSITE

<https://careerprograms.sd38.bc.ca>



BENEFITS OF DUAL CREDIT

- Students in a dual credit course or program will earn both:
 - College/university credits (registered as a post-secondary student while still in high school)
 - High school elective credits (counted as part of a student's GPA)
- Have post-secondary **tuition fee paid for by Richmond School District** (save ~\$500-4500)
- Students in a dual credit **Train in Trades** program:
 - are also registered with SkilledTradesBC
 - earn Level 1 technical training certificate of completion or qualification

YOU ARE READY IF YOU HAVE ...



- a passion for the college-based dual credit course/program for which you are applying
- passing grades in Language Arts, Mathematics and for some programs, Physics 11
- a good attendance/tardiness record (there will be time to show improvement with this)
- previous or current senior course work related to the program for which you are applying
- strong English language skills to communicate and interpret information and technical language
- a readiness to start college curriculum while still in high school
- an ability and willingness to commute to the post-secondary school (some programs start at 7:30am)
- not yet graduated



EARN HIGH SCHOOL CREDITS FOR WORKING IN A TRADE

- if you are working (paid) in ANY recognized trade, contact our office to start earning hours toward your Level 1 credential (students are registered as apprentices with SkilledTradesBC)
- PLUS earn up to 16 high school elective credits to support your graduation requirements
- may qualify for a \$1000 BC Ministry (ECC) award
- students between ages 15-19 may participate
- contact our office today (careerprograms@sd38.bc.ca)
- read more by accessing the QR codes:



SKILLEDTRADESBC



SD38 WORK

CONTACT CAREER PROGRAMS

- **EMAIL:** careerprograms@sd38.bc.ca
- **CALL:** 604-668-6000 ext 3766
- **OFFICE LOCATION:** Learning Services – Cambie Secondary School

OUR STAFF

- **Grace Imperial-Prasad** (*Administrative Assistant*)
(Works Mondays, and Tuesday/Wednesday mornings)
- **Terri Lockhart** (*Coordinator – Career Programs*)
- **Peter Thackwray** (*Facilitator – Career Programs*)

TO ACCESS MORE INFORMATION:

- View the Career Programs website (<https://careerprograms.sd38.bc.ca>)
- Check the Career Programs display board (in/near your school's counselling area)
- Inquire with your school Counsellor or Career Information Advisor

2023-2024 INFORMATION SESSIONS – SAVE THE DATES!

For all sessions below, a Zoom link will be emailed to Gr 10/11 students/parents. The link will also be posted on each high school's Career Programs display board (in/near counselling centre).

After School Q & A Drop-In Sessions (On-line from 3:00-4:00pm)

- Held on 1st/3rd Thursday from November – March (exceptions are Winter/Spring Breaks)
- We will answer questions about any of our program offerings
- Students and Parents/Guardians are all welcome

Secondary Parents Information Evening (On-line from 6:30-7:30pm)

- CHOOSE one of: Tuesday, November 28th, 2023 OR Wednesday, January 31st, 2024 (repeat)
- **Learn about our dual-credit and other programs/courses (Train and Work in Trades focus):**
 - Dual credits earned (high school and post-secondary)
 - Free tuition
 - Apprenticeship certification opportunities and more
 - Hear from industry guest speakers

Early Childhood Education Assistant Certificate Program (On-line from 6:30-7:30pm)

- Held the evening of Wednesday, January 17th, 2024
- Learn about the certification earned
- Hear from the post-secondary ECE Program Coordinator

Manufacturing & Engineering Co-Op Program (On-line from 6:30-7:30pm)

- Held the evening of Thursday, February 8th, 2024
- Learn about the courses students take, credits earned and optional industry certification with NorthWest Skills Institute
- Hear from the program instructor

SD38 Career Programs Office

c/o Cambie Secondary School, 4151 Jacombs Road,
Richmond, BC V6V 1N7

