

CAREER PROGRAMS

SCHOOL DISTRICT NO. 38 (RICHMOND)

Start your career journey here...



...and find your own path



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careerprograms.sd38.bc.ca

RICHMOND
SCHOOL DISTRICT NO. 38

TRAIN IN TRADES PROGRAMS

Post-Secondary Level 1 Technical Training Programs

Taken full-time during high school

PROFESSIONAL COOK 1

Schedule TBD (VCC Satellite Campus @ Richmond Secondary)

Pre-requisites (by program start)

- Any Math 11 AND a Language Arts 11 (may do concurrently)
- FoodSafe Level 1 Certification
- Previous Culinary Arts or Home Ec. course(s) an asset
- Successful result on district math/English assessment

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)



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

PIPING/PLUMBING

Feb - June (UAPIC Satellite Campus @ Palmer Secondary)

Pre-requisites (by program start)

- Any Math 11 AND a Language Arts 11 (may do concurrently)
- Senior tech ed course(s) strongly recommended
- Physics 11 recommended
- Successful result on district math assessment

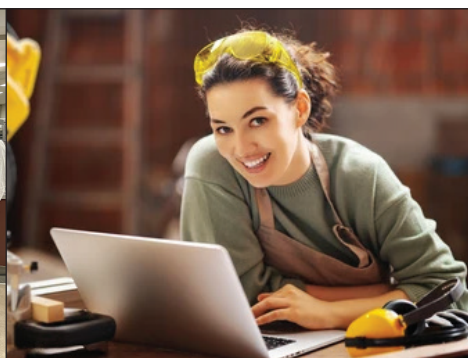
What You Will Earn

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



You Will Learn How To

- install, repair and maintain piping fixtures, systems, and apply electrical concepts
- measure, shape and weld pipes, test for leaks



AIRCRAFT MAINTENANCE ENGINEER

20-24 months @ BCIT (Aerospace Campus) – Month of May start

Pre-requisites (by program start)

- 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

What You Will Earn

- STBC: Aircraft Maintenance 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 Gr. 12 level + BCIT Credits (30– Term 1)



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

AUTO COLLISION & REFINISHING TECHNICIAN

Feb – Aug OR Sept – Apr @ VCC (Broadway Campus)

Pre-requisites (by program start)

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

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)



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, test-drive vehicles for alignment/handling

AUTOMOTIVE SERVICE TECHNICIAN

Feb - Sept @ BCIT (Burnaby Campus)

Pre-requisites (by program start)

- 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

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)



You Will Learn How To

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

CARPENTRY – FRAMING AND FORMING

Feb - July @ BCIT (Burnaby Campus)

Pre-requisites (by program start)

- 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
- Critical thinking and an ability to troubleshoot

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)



You Will Learn How To

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

ELECTRICIAN – COMMON CORE

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

Pre-requisites (by program start)

- 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

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 (48)



You Will Learn How To

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

HEAVY MECHANICAL TRADES

Sept - May @ VCC (Broadway Campus)

Pre-requisites (by program start)

- Any Math 11 AND a Language Arts 11 (must have Gr 12 by program start – min 50%)
- Senior Tech Ed (ADST) course(s) required
- Successful result on District math/English assessment
- Key attributes are mechanical aptitude, manual dexterity, hand-eye coordination, stamina and agility

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 + **VCC** Credits (36)



You Will Learn How To

- conduct entry level work as a Diesel Engine Mechanic, Heavy Duty Equipment Technician, Truck and Transport Mechanic and Transport Trailer Technician
- service/diagnose/repair frames, steering, suspensions, electrical systems and more

WELDING

Feb - July @ KPU (Cloverdale Campus)

Pre-requisites (by program start)

- Any Math 11 (min "C") 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
- Key attributes are mathematical aptitude, detail-oriented, hand-eye coordination, stamina and agility

What You Will Earn

- **STBC:** Certificate of Completion (Levels 1 and 2 technical training) + 300 work-based training hours
- **High School:** 24 credits (6 courses) at Grade 12 level + **KPU** Credits (27)



You Will Learn How To

- develop skills in welding processes and procedures
- operate welding equipment to weld ferrous and non-ferrous metals

OTHER TRAIN IN TRADES PROGRAMS WE OFFER ...

- Cabinetmaker (Joiner) @ BCIT (Burnaby)
- CNC Machinist @ BCIT (Burnaby) (2-yr program)
- Hairstylist @ VCC (Vancouver-Pender)
- Millwright @ KPU (Cloverdale)
- Metal Fabricator @ BCIT (Burnaby)
- Painter and Decorator @ FTI (North Surrey)
- Refrigeration Technician @ BCIT (Burnaby)
- Sheet Metal @ BCIT

Check out what someone in each of these trades does by going to:

<https://skilledtradesbc.ca/find-your-trade>

OTHER DUAL CREDIT OPTIONS...

Must be a Canadian citizen or hold a valid PR Card to apply for these.

EARLY CHILDHOOD EDUCATION ASSISTANT Schedule to be determined – check with our office

Pre-requisites (by program start) and Attributes

- ability to work both independently and in a group setting
- enjoys working with young children
- has excellent attendance
- registered in SD38 and entering Gr 12 in September (Gr 11 MAY be an option; check with our office or on our website prior to applying)
- check our website for full details of course pre-requisites and schedule

Program Features

- a post-secondary program
- experience at a day care centre
- allows students to continue to full ECE certification

What You Will Earn

- post-secondary course credits to support continuation toward full ECE certificate
- High School credits at Grade 12 level

NEW BIOMEDICAL AND HEALTH SCIENCE FOUNDATION PROGRAM @ KPU Semester 2 (Mon-Fri full-time @ KPU Surrey)

Pre-requisites (by program start) and Attributes

- must have completed English 12 by start of program
- Biology 11 or 12 (min "C") recommended
- Chemistry 11 or 12 (min "C") recommended
- registered in SD38 and entering Gr 11 or 12 in September
- students may attend all Gr 12 grad events at home school while at KPU

Program Features

- Program will include four university transferable courses: Introductory Biology 1 (BIOL 1110), Anatomy & Physiology 1 (BIOL 1160), Intro to Psychology (PSYC 1100) and Intro to University Writing (ENGL 1110)
- Get a head start on a biomedical, health science or nursing degree while in high school

What You Will Earn

- KPU – 14 university (transferable) credits
- High School: 16 credits (4 elective courses) at Grade 12 level

HEALTH CARE ASSISTANT CERTIFICATE @ VCC Sept 2025 (8-month FT program)

Pre-requisites (by program start) and Attributes

- concern for the well-being of others and be very mature
- ability to perform personal hygiene and grooming of clients
- have excellent health, physical stamina and have no latex sensitivity
- must have completed English 12 by start of program
- Standard First Aid including current CPR level C
- BC FoodSafe Level 1 certificate; immunizations (see VCC website for this)

Program Features (full-time at VCC Broadway)

- 30-week program + 2-week practicum in a health care facility
- student pays fees ~\$1100.00; Richmond SD38 covers tuition ~\$3000.00
- provide care and assistance for clients with complex health care needs, including cognitive and/or mental health challenges
- provide care that promotes the physical, psychological, social, cognitive and spiritual well-being of clients and families

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 CERTIFICATE @ VCC May 2026 (6 month FT program)

Pre-requisites (by program start) and Attributes

- have fine motor skills; able to work 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 (full-time at VCC Broadway)

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

What You Will Earn

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

MANUFACTURING & ENGINEERING CO-OP (Not a Dual Credit Program) (Students attend Burnett Secondary in Semester 2)

Pre-requisites (by program start) and Attributes

- entering Grade 11 or 12 + willing to attend Burnett in semester 2
- students may attend all grad events at home school while in program
- previous tech ed (ADST) course work an asset and C+ or higher in Mathematics 10/11
- creative, problem-solver who enjoys the design thinking process

Program Features

- concepts in machining, manufacturing, fabricating and engineering
- 90-100 hours volunteer work experience opportunity
- significantly reduced fee to take industry certificate through NorthWest Skills Institute must have access to a computer

What You Will Earn

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



Dual Credit Courses + More!

View our website “programs” tab
for details & applications

INTRO TO HEALTH SCIENCE 1115 (@ KPU) July – mid-August (KPU Richmond)

- only Gr 10/11 students entering Gr 11/12 next year may apply for course
- course is a blend of in-person and on-line (asynchronous)
- course tuition is paid by Richmond SD38; student pays for textbook
- must plan to take a post-secondary health science program after grad

What You Will Earn

- KPU: KPU credits (3) + registered as a KPU student
- High School: 4 credits (1 elective course) at Grade 12 level

LinK38 (LEARNING in KWANTLEN) Sept – Dec (KPU Richmond one night/week)

- students take one KPU course (from list selected by SD38 and KPU)
- only Gr 11 students entering Gr 12 next year may apply
- course is one night per week (day is dependent on course selected)
- course tuition is paid by Richmond SD38; student pays for textbook
- applicant must be planning to attend post-secondary after grad

What You Will Earn

- KPU: KPU credits (3) + registered as a KPU student
- High School: 4 credits (1 elective course) at Grade 12 level

KPU SCOTIABANK STRIVE COURSE Jan – April (KPU Richmond one night/week)

- seeking those from an underrepresented group, an alternate program and/or might otherwise not consider taking a post-secondary course
- submit application = accepted (no pre-requisites and no interview); no need to be on track to graduation (may be on Evergreen track)
- students take a pre-selected KPU course; all are in same class
- only Gr 10/11 students entering Gr 11/12 next year may apply
- course is one night per week; **includes spring break (must be available)**
- course tuition is paid by Scotiabank – Scotia Rise Grant

What You Will Earn

- KPU: KPU credits (3) + registered as a KPU student
- High School: 4 credits (1 elective course) at Grade 12 level

RCMP YOUTH ACADEMY August 18 – 23, 2025 (@ KPU Richmond)

- current Gr 10-12 students may apply; cost is approximately \$200
- application PLUS RCMP interview and fitness test
- a simulated RCMP training environment that involves role-playing the realities of policing in a condensed format over five full days
- **MUST be available for ALL 5 DAYS + graduation day in summer (cannot be working during program or attending summer school)**

What You Will Earn

- career exploration experience to feature on your resume for post-secondary application
- invaluable experience re: discipline, leadership, and teamwork

PALO-ALTO CYBERSECURITY CO-OP (RVS)

- students entering Gr 10 or 11 in the next school year may register
- successful result on district math and reading assessment
- become a certified cybersecurity entry level technician with Palo Alto by taking two courses (FOUR modules) plus a work experience (WEX) course

CONTACT RICHMOND VIRTUAL SCHOOL FOR THIS

Tuesday Due-Days!

**DUE = to Career Programs Office, NOT your counsellor
Apply on time to avoid missing PROGRAM
interview dates.**



STRIVE (for Jan 2025) – October 29, 2024

Train in TRADES PROGRAMS

Due Date #1 – February 11, 2025

**RCMP Youth Academy
February 25, 2025**

**Manufacturing & Engineering (MEC)
March 11, 2025**

ECE Assistant Program - check with our office

**KPU HSCI 1115 Summer Course
March 11, 2025**

**VCC Health Care Assistant Pgm
April 8, 2025**

**VCC Medical Lab Assistant Pgm
April 8, 2025**

Train in TRADES PROGRAMS

Due Date #2 – April 8, 2025

LinK38 Course (KPU) – May 13, 2025

**RVS Palo Alto Cybersecurity
Register with RVS (runs semester 2)**

OUR WEBSITE

**Go to “OUR PROGRAMS” tab
on our website for all
program/course-specific
applications and information.**



WHAT IS DUAL CREDIT?

- students start college while in high school, by taking a full-time college program or a single course
- earn both high school elective course credits PLUS college/university credits
- the post-secondary **TUITION is FREE! (Paid for by Richmond School District)** (save ~\$500-4500)
- students in a **Train in Trades** program are also registered with SkilledTradesBC as apprentices

DO YOU HAVE...

- a Canadian Passport or current/valid Permanent Resident card (not open to International Students)
- 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
- 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 7:00am**)

NOTE: Applicants must be entering Gr 12 next year (Gr 11 for Piping/Cooking is permitted.)



WORKING IN A TRADE NOW? Paid trade work for high school credits + certification!

- 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)
- earn up to 16 high school elective credits to support your graduation requirements
- available for students between ages 15-19 to participate
- read more by accessing the QR code.



SD38 WORK

CONTACT US / FIND INFO in your SCHOOL

EMAIL: careerprograms@sd38.bc.ca

CALL: 604-668-6000 ext 3766

OFFICE LOCATION: Cambie Secondary School – c/o SD38 Learning Services

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

SLAT BOARDS IN SECONDARY SCHOOLS:
Find these in or near your school's counselling area
(Find brochures, applications, announcements etc.)



SAVE THE 2024-2025 DATES!

INFORMATION SESSIONS for STUDENTS AND FAMILIES

For all sessions below, a meeting link will be emailed to students/families about a week prior to the event.

The link may also be accessed via your school's counsellor and/or Career Information Advisor.

Check our Career Programs Website for info session announcements.

Q & A Drop-In Sessions

- Held the **1st and 3rd Wednesday from November – March** on Zoom 3:00-4:00pm (exceptions are Winter/Spring Breaks)
- Informal sessions where your questions will be answered regarding any of our program offerings
- Students and Parents/Guardians are all welcome

Parents as Education & Career Coaches Workshop (Gr. 8-12 Families)

- **Wednesday, November 20th, 2024** on MS Teams 6:30-8:00pm – **delivered by EducationPlannerBC**
- Meeting link and information will go out in early November (via email) **REGISTRATION IS REQUIRED**
- Check your email and Career Programs Website in the fall
- Topics include, helping your child plan for life after high school, post-secondary and financial aid options, career exploration resources, BC's post-secondary education landscape and credentials

Career Programs Info Evening (Gr. 10/11 Families)

- **Wednesday, November 27th, 2024 OR Tuesday, January 28th, 2025** (repeat sessions **Zoom 6:30-7:30pm**)
- Learn about our dual credit and other programs/courses (**Train and Work in Trades focus**):
 - Dual credits and certifications earned (high school and post-secondary)
 - Free tuition
 - Apprenticeship certification opportunities and more

Manufacturing & Engineering Co-Op Program (Gr. 10/11 Families)

- **Thursday, February 13th, 2025** on Zoom 6:30-7:30pm
- Learn about the courses students take, credits earned and optional industry certification with NorthWest Skills Institute
- Meet the program instructor

HIGH SCHOOL ASSEMBLIES

Our Career Programs Office will be holding Grade 10/11 assembly presentations in each high school during the fall/winter. Check your school's calendar and our website for these dates (some are on PLT days, and we hope students will attend!)