

“Youth **TRAIN** in Trades” Programs

visit 43Careers.com or email **Ben King (BKing@sd43.bc.ca)**

Note: students do a trades program in grade 12, but apply during course selection time of grade 11



Trade Name	Student Cost	Length, Intakes & High school Credits	Location of Program	Pre-requisites (completed prior to start date)
Aircraft Maintenance Engineer (Cat “M”)	≅ \$600	Intakes: Aug, Jan + May 16 weeks 16 credits	BCIT - Richmond (near South Terminal airport)	<ul style="list-style-type: none"> Full completion of grade 11 + plan for Eng 12 Auto 11 and ideally Auto 12 (or related experience) Physics 11 any Math 11 (C+) pass: BCIT Mechanical Reasoning Assessment
Appliance Service Technician	≅ TDB	Intakes: Sept + Apr 39 weeks 40 credits	KPU - Cloverdale	<ul style="list-style-type: none"> Full completion of grade 11 + plan for Eng 12 Electricity 10, 11 or 12 <u>or</u> a Robotics class Chemistry 11 or Physics 11
Automotive Service Technician	≅ \$400	Intake: Feb 20 weeks (all of semester 2) 16 credits)	Centennial	<ul style="list-style-type: none"> Full completion of grade 11 + plan for Eng 12 any Math 11 (C+) Auto 11 (B) and Auto 12 (C+), <u>or</u> Auto 11 (B) and Physics 11
Auto Collision & Refinishing Tech	≅ \$1,800	Intakes for both sites: Sept + Feb VCC – 35 weeks (28 credits) BCIT – 40 weeks (32 credits)	VCC – Broadway BCIT – Burnaby	<ul style="list-style-type: none"> Full completion of grade 11 + plan for Eng 12 Recommended: any Auto 11 class Helpful: any Metal/Weld class
Baker	≅ \$2,200	Intake: mid-July to mid-Dec 23 weeks 24 credits	VCC - Downtown	<ul style="list-style-type: none"> Complete gr 11 VCC questionnaire + short PowerPoint portfolio Food Safe Level 1 (certified before intake date)
Cabinet Maker (Joiner)	≅ \$700	Intakes: Aug, Oct + Mar 25 weeks 28 credits	BCIT - Burnaby	<ul style="list-style-type: none"> Full completion of grade 11 + plan for Eng 12 any Math 11 (C+) Wood 11 <u>and</u> Wood 12
Carpenter	≅ \$450	Intake: Feb 20 weeks (all semester 2) 16 credits	Terry Fox <u>and</u> BCIT – Burnaby (6 wks)	<ul style="list-style-type: none"> Wood 11 (and ideally Wood 12) any Math 11 (C+) recommended: Drafting + Design 11
Professional Cook	≅ \$400	Intake: Feb all semester 2 (16 credits)	Gleneagle or Centennial	<ul style="list-style-type: none"> Cook Training 11 <u>and/or</u> 12 <u>or</u> Foods & Nut. 11 and/or 12 (ideally two or three of them) Food Safe Level 1 (certified before intake date)
Construction Electrician	≅ \$350	Intake: Sept 20 weeks (all semester 1) 16 credits	Dr. Charles Best	<ul style="list-style-type: none"> Full completion of grade 11 Math 11: Found / Pre-Calc (C+) <u>or</u> Workplace (B) Physics 11 any Tech Ed 10-12 course
Hairstylist	≅ \$3,000	Intakes: Sept, Oct, Jan, Mar + May 40 weeks (3 days/week, for 9 hrs/day) 40 credits	VCC - Downtown	<ul style="list-style-type: none"> Full completion of grade 11 + plan for Eng 12 Commitment to long-term (10 month) program <ul style="list-style-type: none"> Either Mon-Wed or Thurs-Sat
Heavy Duty Mechanic	≅ \$1,800	VCC: Sept + Feb BCIT: Sept, Oct, Feb, Apr, May + June 36 weeks (28 credits)	VCC - Broadway BCIT – Annacis Island	<ul style="list-style-type: none"> Full completion of grade 11 + plan for Eng 12 any Math 11 (B) Auto 11 (B) <u>and</u> Auto 12 (B)
Ironworker	≅ \$400	Intakes: early Jan + mid-July 23 weeks 20 credits	BCIT – Burnaby	<ul style="list-style-type: none"> Full completion of grade 11 + plan for Eng 12 Metal/Weld 11
CNC-Machinist	≅ \$1,300	Intake: Sept + Jan (first week) 25 weeks 24 credits	BCIT – Burnaby	<ul style="list-style-type: none"> Metal 11 and/or Wood 11 Basic knowledge of Fusion 360 software Pass: BCIT Math Trades Entry Assessment
Landscape Horticulturist	≅ \$650	Intake: Feb 6 weeks 8 credits	KPU – Langley	<ul style="list-style-type: none"> Any Math 11 (C+) Any Science 11 Interest in working with plants and landscapes
Marine Mechanical Tech	≅ \$500	Intakes: Sept + Feb 26 weeks 28 credits	BCIT – Annacis Island	<ul style="list-style-type: none"> Full completion of grade 11 + plan for Eng 12 Any Auto 11, plus either Metal <u>or</u> Electricity any Math 11 (C+)
Metal Fabricator	≅ \$400	Intakes: Sept + Feb 23 weeks 20 credits	BCIT – Burnaby	<ul style="list-style-type: none"> Full completion of grade 11 + plan for Eng 12 Metal/Weld 11 (and ideally Metal/Weld 12) any Math 11 (C+)
Millwright	≅ \$1,200	Intakes for both sites: Sept + Feb 24 weeks 24 credits	BCIT – Burnaby KPU - Cloverdale	<ul style="list-style-type: none"> Full completion of grade 11 + plan for Eng 12 Math 11: Found / Pre-Calc (C+) <u>or</u> Workplace (B) at least one Tech Ed 11-12 course
Motorcycle Mechanic	≅ \$500	Intakes: Sept + Feb 20 weeks (All sem 1 <u>or</u> all sem 2) 16 credits	BCIT - Burnaby	<ul style="list-style-type: none"> Full completion of grade 11 Auto 11 <u>or</u> related experience
Commercial Painter	≅ \$0	Intake: mid-June 6 weeks 8 credits	Fin. Trades Inst. - Surrey	<ul style="list-style-type: none"> Full completion of grade 11
Parts Technician	≅ TDB	Intake: March 20 weeks 20 credits	KPU – online	<ul style="list-style-type: none"> Full completion of grade 11 + plan for Eng 12 Good organizational and time mgmt. skills Helpful: Accounting 11
Plumber	\$0	Intake: beg of sem 2 to mid-July 24 weeks 24 credits	Gleneagle (potentially some weeks at BCIT)	<ul style="list-style-type: none"> Full completion of grade 11, including any Math 11 (C+) recommended: any Tech Ed 10-12 course If a graduate, Criminal Record Check is required
Refrigeration Mechanic	≅ \$900	Intake: Sept 25 weeks 24 credits	BCIT – Burnaby	<ul style="list-style-type: none"> Full completion of grade 11 + plan for Eng 12 Physics 11 Strongly recommended: Chem 11 and Math 12 Recommended: any Electricity class Pass: BCIT Mechanical Reasoning Assessment
Security Systems Technician	≅ \$1,100 plus tools	Intakes: November + April 28 weeks 28 credits	BCIT – Burnaby	<ul style="list-style-type: none"> Full completion of grade 11 + plan for Eng 12 “Security Worker License” (prior to being accepted) any Math 11 (C+)
Sheet Metal Worker	≅ \$400	Intakes: Sept All semester 1 16 credits	BCIT – Burnaby	<ul style="list-style-type: none"> Full completion of grade 11, including any Math 11 (C+) Metal/Weld 11
Welder	≅ \$800	BCIT Intakes: Aug, Sept, Nov, Jan + Mar PIC intakes: Sept, Jan + Mar both are 28 weeks (28 credits)	BCIT – Burnaby Piping Ind. Coll. (PIC) - Annacis Island	<ul style="list-style-type: none"> Full completion of grade 11 + plan for Eng 12 any Math 11 (C+) Metal/Welding 11 (ideally Metal/Weld 12)

“Youth **EXPLORE** in Trades” Programs

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Program	Details				
Trades Sampler “Motors & Engines”	Usually taken in	Cost	Time & High school Credits	Location of Program	Pre-requisites (recommendations)
	Grade 11 or 12	Free	1 intake: early Feb 10 weeks (12 credits)	VCC - Broadway	<ul style="list-style-type: none"> Grade 10 or 11 core/requirements any Math 11 (C+) pass 3 BCIT assessments (45 mins each): English, Mechanical Reasoning + Math
The February 2022 focused on three trades: “Auto Service Technician”, “Auto Collision + Refinishing Technician” and “Heavy Duty Mechanics”. Students also earned their forklift certification.					
Trades Discovery (“General” and “Women” Intakes)	Usually taken in	Cost	Time & High school Credits	Location of Program	Pre-requisites (recommendations)
	Grade 12	Free	Three intakes: September, January + May 4 months (16 credits) Note: very competitive to get a seat , only 2 reserved seats, per intake, for all Lower Mainland	BCIT (Burnaby mostly, but will visit their other 3-4 campuses)	<ul style="list-style-type: none"> Completion of grade 11 core/requirements any Math 11 (C+) do/pass 3 BCIT assessments: English, Mechanical Reasoning + Math
Students in recent intakes experienced 1-4 days in each of the following areas: <ul style="list-style-type: none"> TRADES = Aerospace, Motorcycle Mech, Auto Collision, Auto Service Tech, Sheet Metal, Carpentry, Welding, Electrical, Machinist, Millwright + Marine TRAINING & CERTIFICATIONS = might include: General Safety, WHMIS, OFA 1, Fall arrest/protection, Hilti, Fit Test, Forklift + Fire Protection 					
Skills Exploration 10-12	Usually taken in	Cost	Time & High school Credits	Location of Program	Pre-requisites (recommendations)
	gr 10s + 11s	Free	Sem 1 or 2, depending on school’s timetabling. Course is 4 credits	Presently offered at: CABE, Dr. Ch. Best, Gleneagle, Heritage Woods, Riverside + Terry Fox	<ul style="list-style-type: none"> None, ideally the student is using this course as a chance to learn more about a few trades and gain some hands-on skills that might lead to further investigation of the TRAIN programs
Depending on the teacher’s offerings, students will experience 4 trades (3 from ‘must’ list + 1 optional) over a semester that are selected from: <ul style="list-style-type: none"> MUST (3-4 of): Automotive Service Tech, Baker, Cook, Carpenter, Design + Drafting, Electrician, Electronics + Robotics, Metal Worker or Welder OPTIONAL examples (0-1 of) = Horticulturalist, Tiler, Painter, Hardwood Floorer, Auto Painter, Auto Collision Repairer, Cabinet Maker, Sheet Metal Worker... 					
Enhanced Bridge Watch Program <i>“begin your career at sea... working on ferries, tugboats, deep-sea vessels...”</i>	Age Requirement	Cost	Time & High school Credits	Location of Program	Pre-requisites (recommendations)
	By the end of the program, students must be between 18-26 yrs old (open to grads)	Free	<ul style="list-style-type: none"> Oct 16, 2023 – Feb 2, 2024 Nov 6, 2023 – Mar 15, 2024 Jan 22, 2024 – Apr 19, 2024 plus more: TDB 20 credits	BCIT – North Vancouver campus Note: there may be some online components	<ul style="list-style-type: none"> Full completion of grade 11 + plan for Eng 12 any Math 11 (C+)
In addition to “BCIT Bridge Watch Rating Assoc. Cert.” and “Transport Canada Bridge Watch Rating Cert.”, you will also earn: <ul style="list-style-type: none"> WHMIS (BCIT Workplace Hazardous Materials Information System) ROC-MC (Industry Canada Restricted Operator’s Certificate – Maritime Commercial) MBFA (Marine Basic First Aid Certificate) BST (STCW Basic Safety Training) PSC (STCW Proficiency in Survival Craft) 					

“Youth **WORK** in Trades” Program

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Course Name(s)	Program Details				
	Open to	Student Cost	High school Credits	Location of Program	Requirement
Work 11a, 11b, 12a + 12b (4 courses in total)	gr 10s, 11s, 12s + 1 st year after grad	Free	For each 120 hrs worked in a trades, plus online course work, you receive 4 credits, up to 16 credits	in the community as a tradesperson with a company	<ul style="list-style-type: none"> you are presently working as a paid tradesperson and/or you were recently working as a paid tradesperson