

# “Youth **TRAIN** in Trades” Programs

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Trade Name	Program Details				
	Usually taken in	Student Cost	Length, Intakes & High school Credits	Location of Program	Pre-requisites
<a href="#">Aircraft Maintenance Engineer</a> (Cat “M”)	Grade 12	≅ TBD	Intakes: late Aug, Jan + *May 16 weeks (16 credits)  * best intake for continuation to next 3 levels towards certification	<a href="#">BCIT</a> - Richmond (beside South Terminal)	<ul style="list-style-type: none"> <li>Complete gr 11 + plan for English 12</li> <li>Auto 11 and ideally Auto 12</li> <li>Physics 11</li> <li>any Math 11 (C+)</li> <li>pass BCIT <a href="#">Mechanical Reasoning Assessment</a></li> </ul>
<a href="#">Appliance Service Technician</a>	Grade 12	≅ TDB	Intakes: Sept + Apr 39 weeks 40 credits	<a href="#">KPU</a> - Cloverdale	<ul style="list-style-type: none"> <li>Complete gr 11 + plan for English 12</li> <li>Electricity 10, 11 or 12 (more is better)</li> <li>Chemistry 11 and/or Physics 11</li> </ul>
<a href="#">Automotive Service Technician</a>	Grade 12	≅ \$400	Intake: Feb all of semester 2 16 credits	Centennial	<ul style="list-style-type: none"> <li>Complete gr 11 + English 12</li> <li>any Math 11 (C+)</li> <li>Auto 11 and Auto 12 (C+), <b>or</b> Auto 11 (B) and Physics 11</li> </ul>
<a href="#">Auto Collision &amp; Refinishing Tech</a>	Grade 12	≅ \$1,800	Intakes: Sept + Feb VCC - 35 weeks (28 credits) BCIT – 40 weeks (32 credits)	<a href="#">VCC</a> – Broadway  <a href="#">BCIT</a> - Burnaby	<ul style="list-style-type: none"> <li>Full completion of grade 11 + plan for Eng 12</li> <li>Recommended: any Auto 11 class</li> </ul>
<a href="#">Baker</a>	Grade 12	≅ \$1,900	Intake: mid-July 23 weeks 24 credits	<a href="#">VCC</a> - Downtown	<ul style="list-style-type: none"> <li>Complete gr 11</li> <li>VCC questionnaire + short PowerPoint portfolio</li> <li>Food Safe Level 1</li> </ul>
<a href="#">Cabinet Maker</a>	Grade 12	≅ \$700	Intakes: Aug, Oct + Mar 25 weeks 28 credits	<a href="#">BCIT</a> - Burnaby	<ul style="list-style-type: none"> <li>Full completion of grade 11 + plan for Eng 12</li> <li>any Math 11 (C+)</li> <li>Wood 11 <b>and</b> Wood 12</li> </ul>
<a href="#">Carpenter</a>	Grade 12	≅ \$450	Intake: Feb all semester 2 16 credits	Terry Fox <b>and</b> <a href="#">BCIT</a> – Burnaby	<ul style="list-style-type: none"> <li>Wood 11 (and ideally Wood 12)</li> <li>any Math 11 (C+)</li> <li>Drafting + Design 11 – strongly recommended</li> </ul>
<a href="#">Professional Cook</a>	Grade 12	≅ \$400	Intake: Feb all semester 2 16 credits	Gleneagle or Centennial	<ul style="list-style-type: none"> <li>Cook Training 11 <b>and/or</b> 12 <b>or</b> Foods &amp; Nut. 11 and/or 12 (ideally two or three of them)</li> <li>Food Safe Level 1</li> </ul>
<a href="#">Construction Electrician</a>	Grade 12	≅ \$300	Intake: Sept all semester 1 16 credits	Dr. Charles Best	<ul style="list-style-type: none"> <li>Full completion of grade 11</li> <li>Math 11: Found / Pre-Calc (C+) <b>or</b> Workplace (B)</li> <li>Physics 11</li> <li>any Tech Ed 10 or 11 course</li> </ul>
<a href="#">Hairstylist</a>	Grade 12	≅ \$3,000	Intakes: Sept, Oct, Jan, Mar + May 40 weeks 40 credits	<a href="#">VCC</a> - Downtown	<ul style="list-style-type: none"> <li>Full completion of grade 11 + plan for English 12</li> </ul>
<a href="#">Heavy Duty Mechanic</a>	Grade 12	≅ \$1,800	VCC Intakes: Sept + Feb BCIT: Sept, Oct, Feb, Apr, May + June 36 weeks 28 credits	<a href="#">VCC</a> - Broadway  <a href="#">BCIT</a> - Burnaby	<ul style="list-style-type: none"> <li>Full completion of grade 11 + plan for Eng 12</li> <li>any Math 11 (B)</li> <li>Auto 11 (B) <b>and</b> Auto 12 (B)</li> </ul>
<a href="#">Ironworker</a>	Grade 12	≅ \$400	Intakes: January (first week) + July 23 weeks 20 credits	<a href="#">BCIT</a> – Burnaby	<ul style="list-style-type: none"> <li>Full completion of grade 11 + plan for Eng 12</li> <li>Metal/Weld 11</li> </ul>
<a href="#">CNC-Machinist</a>	Grade 12	≅ \$1,300	Intake: Sept + January (first week) 25 weeks 24 credits	<a href="#">BCIT</a> – Burnaby	<ul style="list-style-type: none"> <li>Metal 11 and/or Wood 11</li> <li>Basic knowledge of Fusion 360 software</li> <li>pass BCIT <a href="#">Math Trades Entry Assessment</a></li> </ul>
<a href="#">Metal Fabricator</a>	Grade 12	≅ \$400	Intakes: Sept + Feb 23 weeks 20 credits	<a href="#">BCIT</a> – Burnaby	<ul style="list-style-type: none"> <li>Full completion of grade 11 + plan for Eng 12</li> <li>Metal/Weld 11 (and ideally Metal/Weld 12)</li> <li>any Math 11 (C+)</li> </ul>
<a href="#">Millwright</a>	Grade 12	≅ \$1,200	BCIT Intakes: Sept + Feb KPU Intake: Feb 24 weeks 24 credits	<a href="#">BCIT</a> – Burnaby  <a href="#">KPU</a> - Cloverdale	<ul style="list-style-type: none"> <li>Full completion of grade 11 + plan for Eng 12</li> <li>Math 11: Found / Pre-Calc (C+) <b>or</b> Workplace (B)</li> <li>at least 1 Tech Ed 11 course</li> </ul>
<a href="#">Motorcycle Mechanic</a>	Grade 12	≅ \$500	Intakes: Sept + Feb All semester 1 <b>or</b> all semester 2 16 credits	<a href="#">BCIT</a> - Burnaby	<ul style="list-style-type: none"> <li>Full completion of grade 11</li> <li>Auto 11 <b>or</b> related experience</li> </ul>
<a href="#">Commercial Painter</a>	Grade 11 or 12	≅ \$0	Intake: mid-June 6 weeks 4 credits	<a href="#">Fin. Trades Inst.</a> - Surrey	<ul style="list-style-type: none"> <li>Full completion of grade 11</li> <li>English Arts 11 <b>or</b> 12</li> </ul>
<a href="#">Parts &amp; Warehousing</a>	Grade 12	≅ TDB	Intake: March 20 weeks 20 credits	<a href="#">KPU</a> – Cloverdale	<ul style="list-style-type: none"> <li>Full completion of grade 11 (including Eng 12)</li> <li>Good organizational and time mgmt. skills</li> <li>recommended: Accounting 11</li> </ul>
<a href="#">Plumber</a>	Grade 12 (gr 11 is fine for PIC site)	KPU ≅ \$200 PIC ≅ \$0	PIC - intake: mid-June for 8 wks (8 credits) KPU - intake: all of semester 2 (20 credits)	<a href="#">Piping Ind. Coll. (PIC)</a> - Annacis Island  <a href="#">KPU</a> – Cloverdale	<ul style="list-style-type: none"> <li>any Math 11 (C+)</li> <li>PIC: Work Experience 12 with a “plumbing” placement, or have previous plumbing experience</li> </ul>
<a href="#">Refrigeration Mechanic</a>	Grade 12	≅ \$900	Intake: Sept 25 weeks 24 credits	<a href="#">BCIT</a> – Burnaby	<ul style="list-style-type: none"> <li>Full completion of grade 11 + plan for Eng 12</li> <li>Strongly recommended: Chem 11, Math 12</li> <li>Recommended: Electricity</li> <li>pass BCIT <a href="#">Mechanical Reasoning Assessment</a></li> </ul>
<a href="#">Security Systems Technician</a>	Grade 12	≅ \$1,100 plus specific tools	Intakes: November + April 28 weeks 28 credits	<a href="#">BCIT</a> – Burnaby	<ul style="list-style-type: none"> <li>Full completion of grade 11 + plan for Eng 12</li> <li><a href="#">Security Worker License</a> (prior to being accepted)</li> <li>any Math 11 (C+)</li> </ul>
<a href="#">Sheet Metal Worker</a>	Grade 12	≅ \$400	Intakes: Sept + Feb All semester 1 <b>or</b> all semester 2 16 credits	<a href="#">BCIT</a> – Burnaby	<ul style="list-style-type: none"> <li>Full completion of grade 11</li> <li>any Math 11 (C+)</li> </ul>
<a href="#">Welder</a>	Grade 12	≅ \$800	BCIT Intakes: Aug, Sept, Nov, Jan + Mar PIC intakes: Sept, Jan + Mar both are 28 weeks (28 credits)	<a href="#">BCIT</a> – Burnaby  <a href="#">Piping Ind. Coll. (PIC)</a> - Annacis Island	<ul style="list-style-type: none"> <li>Full completion of grade 11 + plan for Eng 12</li> <li>any Math 11 (C+)</li> <li>Metal/Welding 11 (ideally Metal/Weld 12)</li> </ul>

# “Youth **EXPLORE** in Trades” Programs

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Trade Program	Program Details				
	Usually taken in	Cost	Time & High school Credits	Location of Program	Pre-requisites (recommendations)
<b>Indigenous Trades Sampler</b>	Grade 11 or 12	Free	1 intake - early Feb 3 months 12 credits	BCIT - Burnaby (few days at their other 3-4 campuses)	<ul style="list-style-type: none"> <li>Grade 10 or 11 core/requirements</li> <li>interest to learn more about the trades</li> <li>students may need to do 3 BCIT assessments - TBD</li> </ul>
	<p>The February 2023 intake is going to have a “Marine theme”, in so much as, students will experience 8-12 trades (ex: plumbing, electrical, welding, metal fabrication, millwright...) as it relates to that sector.</p> <p>Students might also get training and/or certifications in a number of different area, examples: General Safety, WHMIS, OFA 1, Fall arrest/protection, Hilti, Fit Test, Forklift + Fire Protection</p>				
<b>Trades Sampler “Motors &amp; Engines”</b>	Grade 11 or 12	Free	1 intake - early Feb 10 weeks 12 credits	VCC - Broadway	<ul style="list-style-type: none"> <li>Grade 10 or 11 core/requirements</li> <li>any Math 11 (C+)</li> <li>pass 3 BCIT assessments (45 mins each): <a href="#">English, Mechanical Reasoning + Math</a></li> </ul>
	<p>The February 2022 focused on three trades: “Auto Service Technician”, “Auto Collision + Refinishing Technician” and “Heavy Duty Mechanics” Students also earned their forklift certification.</p>				
<b><a href="#">Trades Discovery</a></b> (“General” and “Women’s” Intakes)	Grade 12	Free	Two intakes – Sem 1 + 2: early Sept and early Jan 4 months 16 credits	BCIT (Burnaby mostly, but will visit their other 3-4 campuses)	<ul style="list-style-type: none"> <li>Completion of grade 11 core/requirements</li> <li>any Math 11 (C+)</li> <li>do/pass 3 BCIT assessments: <a href="#">English, Mechanical Reasoning + Math</a></li> </ul>
	<p>Students in recent intakes experienced 1-4 days in each of the following areas:</p> <ul style="list-style-type: none"> <li><b>TRADES</b> = Aerospace, Motorcycle Mech, Auto Collision, Auto Service Tech, Sheet Metal, Carpentry, Welding, Electrical, Machinist, Millwright + Marine</li> <li><b>TRAINING &amp; CERTIFICATIONS</b> = might include: General Safety, WHMIS, OFA 1, Fall arrest/protection, Hilti, Fit Test, Forklift + Fire Protection</li> </ul>				
<b><a href="#">Skills Exploration 10-12</a></b>	gr 10s + 11s	Free	Sem 1 or 2, depending on school’s timetabling. Course is 4 credits	Presently offered at: Terry Fox, Gleneagle, Heritage Woods + Dr. Charles Best	<ul style="list-style-type: none"> <li>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</li> </ul>
	<p>Depending on the teacher’s offerings, students will experience 4 trades (3 from ‘must’ list + 1 optional) over a semester that are selected from:</p> <ul style="list-style-type: none"> <li><b>MUST</b> (3-4 of): Automotive Service Tech, Baker, Cook, Carpenter, Design + Drafting, Electrician, Electronics + Robotics, Metal Worker or Welder</li> <li><b>OPTIONAL examples</b> (0-1 of) = Horticulturalist, Tiler, Painter, Hardwood Floorer, Auto Painter, Auto Collision Repairer, Cabinet Maker, Sheet Metal Worker...</li> </ul>				
<b><a href="#">Enhanced Bridge Watch Program</a></b> <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)
	18 – 26 yrs old by end of program (open to grads)	Free	Oct. 17, 2022 – Feb. 22, 2023 or Feb. 6 – May 29, 2023 17 weeks (8.30am – 3.30pm) 20 credits	BCIT – North Vancouver campus	<ul style="list-style-type: none"> <li>Full completion of grade 11 + plan for Eng 12</li> <li>any Math 11 (C+)</li> </ul>
<p>In addition to “BCIT Bridge Watch Rating Assoc. Cert.” and “Transport Canada Bridge Watch Rating Cert.”, you will also earn:</p> <ul style="list-style-type: none"> <li>WHMIS (BCIT Workplace Hazardous Materials Information System)</li> <li>ROC-MC (Industry Canada Restricted Operator’s Certificate – Maritime Commercial)</li> <li>MBFA (Marine Basic First Aid Certificate)</li> <li>BST (STCW Basic Safety Training)</li> <li>PSC (STCW Proficiency in Survival Craft)</li> </ul>					

# “Youth **WORK** in Trades” Program

more information: [43Careers.com](http://43Careers.com) or call Joanna Horvath 604-312-7739

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