

# APPRENTICESHIP PROGRAMS (ACE-IT)

Get a Head Start on Post-Secondary Education

Dual Credit (high school and post-secondary credit)

GRADES 11 & 12 students by competitive selection process

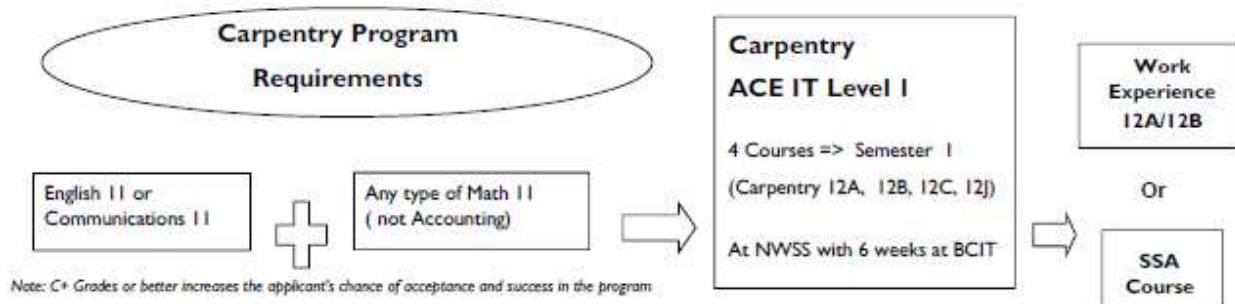
Contact: Ms. Crosby (Room 259B)

604-517-6245 or [kcrosby@sd40.bc.ca](mailto:kcrosby@sd40.bc.ca)

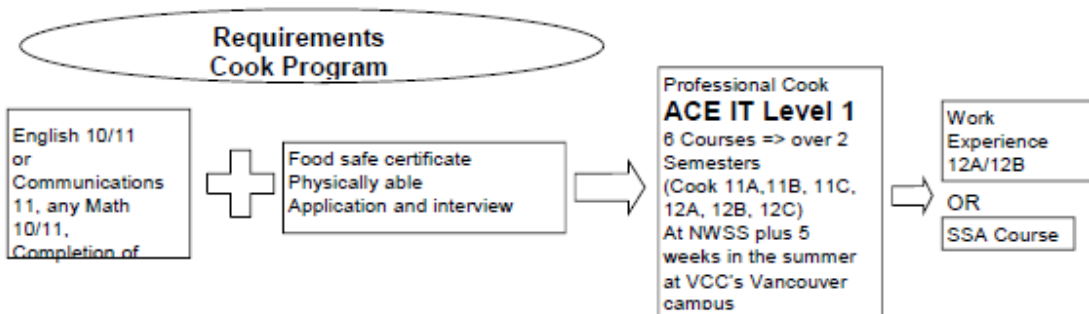
Mr. Pattern (Room 159)

604-517-6234 or [gpattern@sd40.bc.ca](mailto:gpattern@sd40.bc.ca)

## CARPENTRY APPRENTICESHIP PROGRAM (ACE-IT) LEVEL I



## PROFESSIONAL COOK PROGRAM (ACE-IT) LEVEL 1

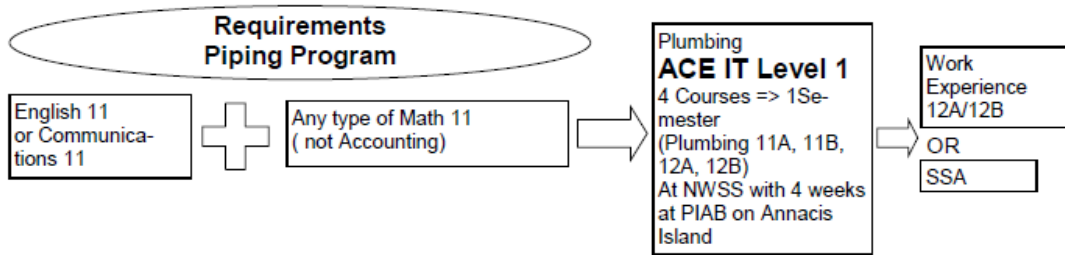


*Note: C+ Grades or better increases the applicant's chance of acceptance and success in the program*

Cost: \$500 plus \$300 refundable tool deposit, plus book / recipe cost.

Main learning: includes basic kitchen skills, cooking/preparing all kinds of food (from appetizers to desserts, butchery to grilling), kitchen management and some dining room service.

## PIPING (PLUMBING) APPRENTICESHIP PROGRAM (ACE-IT)



*Note: C+ Grades or better increases the applicant's chance of acceptance and success in the program*

**Cost:** \$500 plus \$300 refundable toolbox deposit, work book and steel toe boots

**Main learning:** Plan the design, installation and service of various types of piping systems, work with water heating systems, water supply and drainage, blueprint reading, drafting and sketching.

**NOTE:** This program may be open to grade 11 students by special teacher permission if he/she has not yet taken English/Comm 11 or Math 11.

## BAKING AND PASTRY ARTS APPRENTICESHIP PROGRAM

**Open to:** grade 12 students

**Location:** Vancouver Community College (Downtown Vancouver)

**High school credits:** 6 courses = 24 credits (PSIZ 12A, 12B, 12C, 12D, 12E, 12F) in 1 semester, program may take 1 month longer than regular semester to complete

**Post-secondary credits:** Level 1 Baker from the Industry Training Authority (ITA)

**Minimum requirements:** Grade 11 completion, BC Food Safe Certificate level 1, strong attendance and punctuality record, good health, interview with student and/or parent/guardian

**Cost:** \$435, and approximately \$700 for books/tools

**Main learning:** basic doughs, cakes and pastries. The program will include learning the foundation skills/knowledge to produce breads, buns, danishes, puff pastries, simple cakes, fruit and cream pies, muffins, scones and yeast donuts.

## ROOFING APPRENTICESHIP PROGRAM

**Open to:** grade 12 students

**Location:** RCABC in Langley

**High school credits:** 1 grade 12 course = 4 credits (runs May – June only) – RCABC works with the student to find a roofing apprenticeship job so the possibility of earning up to 16 SSA course credits is high (see \*\* at the end of this section)

**Post-secondary credits:** Level 1 Roofer from the Industry Training Authority (ITA)

**Minimum requirements:** Math 11, Interview with student and/or parent/guardian

**Cost:** \$0

**Main learning:** Safety, tools, math, rigging, manual and powered hoisting equipment, cold process roofing, roof insulation, design and structure, air barriers, asphalt and fiberglass shingling.

## METAL FABRICATION APPRENTICESHIP COURSE

**Open to:** grade 12 students

**Location:** BCIT in Burnaby (semester 2 only, ends the 1<sup>st</sup> week of July)

**High school credits:** 6 courses = 24 credits (PSIA 12A, 12B, 12C, 12D, 12E, 12F) in second semester of grade 12 year

**Post-secondary credits:** Level 1 Metal Fabricator from the Industry Training Authority (ITA) and BCIT Foundation Credential

**Minimum requirements:** grade 12 requirements completion, including Foundations or Apprenticeship/workplace Math 11 and English/Communications 12; good health, a reference letter from a teacher or employer and an admission interview with student and/or parent/guardian.

**Cost:** \$500 plus cost of books and steel toe boots

**Main learning:** to build, assemble and repair products made of steel or other metals for use in a wide variety of manufacturing and construction industries. Trade math, sketching and reading drawings, measuring layout, hand/power tools, patterns, templates, oxyacetylene use, arc welding, and plate development will be taught.

## MILLWRIGHT APPRENTICESHIP PROGRAM

**Open to:** grade 12 students

**Location:** BCIT in Burnaby (semester 2 only, runs into July)

**High school credits:** 6 courses = 24 credits (PSIA 12A, 12B, 12C, 12D, 12E, 12F) in second semester of grade 12 year

**Post-secondary credits:** Level 1 from the Industry Training Authority (ITA)

**Minimum requirements:** grade 12 requirements completion, including Foundations or Apprenticeship/workplace Math 11 and English/communications 12; good health, a reference letter from a teacher or employer and an admission interview with student and/or parent/guardian.

**Cost:** \$600 plus cost of books and steel toe boots

**Main learning:** Install, maintain and repair machines that factories rely on to manufacture products; read blueprints, diagrams and schematic drawings to determine work procedures; install, align, dismantle and move stationary industrial machinery and mechanical equipment according to layout plans using hand and power tools; operate hoisting and lifting devices during installation, set-up and repair of machinery; adjust machinery and repair or replace defective parts.

## MOTORCYCLE TECHNICIAN APPRENTICESHIP COURSE

**Open to:** grade 12 students

**Location:** BCIT in Burnaby (semester 2 only)

**High school credits:** 5 courses = 20 credits in second semester of grade 12 year

**Post-secondary credits:** Level 1 & 2 Motorcycle Tech from the Industry Training Authority (ITA)

**Minimum requirements:** grade 12 requirements completion, including Foundations or Apprenticeship/workplace Math 11 and English/Communication 12; good health, a reference letter from a teacher or employer and an admission interview with student and/or parent/guardian.

**Cost:** \$500 plus cost of books and steel toe boots

**Main learning:** new unit assembly, full service, engine and transmission rebuilds, electrical component repair and chassis, wheel suspension, final drive and accessory service

## SHEET METAL WORKING APPRENTICESHIP PROGRAM & INBOARD/OUTBOARD MARINE TECHNICIAN APPRENTICESHIP PROGRAM

**Open to:** grade 12 students

**Location:** BCIT in Burnaby (semester 2 only)

**High school credits:** 5 courses = 20 credits in second semester of grade 12 year

**Post-secondary credits:** Level 1 from the Industry Training Authority (ITA)

**Minimum requirements:** grade 12 requirements completion, including Foundations or Apprenticeship/workplace Math 11 and English/Communication 12; good health, a reference letter from a teacher or employer and an admission interview with student and/or parent/guardian.

**Cost:** \$500 plus cost of books and steel toe boots

## SECONDARY SCHOOL APPRENTICESHIP COURSES – SSA

**Open to:** grade 10, 11 or 12 students

**Location:** at a job site where the student is hired as a paid employee (students must find their own job/apprenticeship position and have a trades number before registration can occur for school course credit).

**High school credits:** for every 120 hours of apprenticeship, 1 course may be earned, up to a total of 4 courses = 16 credits (SSA 11A, 11B, 12A, 12B)

**Post-secondary credits:** Work-based training hours toward level 1 apprenticeship

**Minimum requirements:** job in a trades area, 15 years of age or older, working under the supervision of a journeyman, interview with student and/or parent/guardian

**Cost:** \$0

**Main learning:** work-based training specific to the trade

### PLEASE NOTE:

The aim is for students in apprenticeship programs to also complete 240 hours of work experience through WEX 12A and 12B (unpaid work) or SSA 11A and 11B (paid work). These courses will be completed in Z blocks, and/or in alternative semesters and/or during non-instructional days.

# **CAREER PREPARATION PROGRAMS: 2012-13**

---

Career Preparation Programs are programs that prepare students for entry into the workplace or continued studies at the post secondary level in a specific career sector.

To qualify for a Career Preparation Diploma at graduation, a student must successfully complete the appropriate package of three courses over the grade 11 and 12 years. These courses fit into a regular course of studies.

## ***The Career Preparation packages contain:***

- A Grade 11 Focus course eg: Automotive 11
- A Grade 12 Focus course eg: Automotive 12
- Work Experience 12A (90 hours at a work-site) in addition to 20% class time devoted to in-school learning or assessment activities.

Success in the Career Preparation Work Experience Program requires students to be committed to adjusting to the work-site schedules as required by the employer. Work Placements are on flexible schedules to meet the needs of both employer & students. Students need to consider their own course load, extra-curricular commitments and personal commitments before choosing the CP program.

Students must be committed to completion of the program in order to attain the diploma. However, work experience may also be taken as a stand-alone course (see course selection descriptors.) This option is particularly useful for those students doing career exploration or only able to pursue one focus course.

Identify your Career Goal, CP courses and CP Program on your Educational Plan for course selection.

## **When planning your Grade 11 & 12:**

- have you met graduation requirements?
- have you included the prerequisites for the Post-Secondary Career Path of your choice?
- have you considered your available time before enrolling in a CP Program?
- have you included the appropriate Career Preparation Program course choices and the corresponding Career Preparation Program OPTION CODE. (see below)

Career Preparation Diplomas are offered in addition to regular graduation diplomas.

## **Your “Graduation Plus” Career Preparation Program OPTIONS are:**

### **OPTION CODE**

- XA** Business / Applied Business
- XB** Fine Arts / Design / Media
- XC** Fitness / Recreation
- XD** Health / Human Science
- XE** Liberal Arts / Humanities
- XF** Science / Applied Science
- XG** Tourism / Hospitality / Foods
- XH** Trades / Technology

**Note: Once students have requested Work Experience, an interview with the Career Programs teacher is required in order to ensure there is an appropriate match for work placements.**

# **CAREER PREPARATION PROGRAMS: Focus Areas**

---

## **Business and Applied Business Focus Area**

This Focus Area provides the opportunity to explore careers in areas such as: marketing, finance, human resources, accounting or computer use in a business or office setting. Students with an interest in this Focus Area may have strong investigative, social and organizational skills. Career options will generally involve the organization of people, money and other assets.

## **Fine Arts, Design, and Media Focus Area**

This Focus Area supports the development of skills and knowledge in a range of specialties including: Dance, Drama, Music and Visual Arts. Students can develop both creative and technical skills and may wish to complement these by developing applied business skills. This would expand their career opportunities to include occupations that support performers and other types of artists.

## **Fitness and Recreation Focus Area**

Students who choose this Focus Area have the opportunity to pursue learning experiences related to: athletics, recreation, personal health and wellness, coaching and team performance. They may have well-developed physical abilities, be interested in helping others enjoy athletic or leisure activities and/or be involved in various levels of sport performance. Some may wish to participate in post-secondary athletics or become a professional athlete and some may already have demanding performance and fitness schedules. These students may find particular benefits in external courses that recognize learning outside regular school hours.

## **Health and Human Services Focus Area**

In this Focus Area, students get a broad overview of the skills and attitudes relevant to fields such as: health care, child and family services, teaching and the legal services sector. Students can develop skills, competencies and knowledge in both traditional and nontraditional social service areas, including understanding human relations and individual differences, and developing communication and personal management skills. The Health and Human Services experience will include working directly with people, investigating health solutions and educating others in healthy living. Students will also learn about the methods of inquiry used in the health and human service field.

## **Liberal Arts and Humanities Focus Area**

This Focus Area supports students to develop skills, competencies and knowledge in areas such as: history, literature, writing, philosophy, international languages, First Nations studies and geography. Educational experiences include: developing high level communication skills; gaining a perspective on the present through the study of the past; becoming familiar with accomplishments, ideas and concepts from diverse cultures; and acquiring knowledge in the methods of inquiry used in the humanities and social sciences.

## **Science and Applied Sciences Focus Area**

This Focus Area can provide a foundation of skills, competencies and knowledge in areas such as: Physics, Biology, Chemistry, Geology/Earth Science, Resource Sciences or Science and Technology. Students in this Focus Area learn about the structures, properties and functioning of living and physical things and apply this knowledge to interpret and predict. Students who select this Focus Area should consider complementing Science studies with courses that develop their math skills.

## **Tourism, Hospitality, and Foods Focus Area**

This Focus Area can provide students with a broad introduction to the hospitality industry and support them to develop skills and competencies in areas such as hospitality and food services, events and conference planning, and a variety of tourism services. They may develop skills in areas such as customer service, tourism promotion, or understanding tourism's value to the economy.

## **Trades and Technology Focus Area**

This Focus Area addresses a spectrum of education and skills in areas such as industrial and commercial trades, and in many computer and telecommunication technologies. It is well suited for students who have spatial intelligence and enjoy working with their hands. The Focus Area provides opportunities to develop knowledge, skills and competencies in such specialty areas as: carpentry, mechanics, metal work, welding, electronics, drafting and design, and information technologies.