



Path Finder

Your guide to full-time programs

2004-05



A POLYTECHNIC INSTITUTION

You're on your way



The path you choose can make all the difference

If you are reading this Path Finder of BCIT programs and options, it means you're on the verge of exciting change in your life. Perhaps you're about to graduate from high school or another post-secondary institution, and want to take things further. Or you're considering a career change. Or, maybe you're just exploring your educational options. Whatever journey you're about to embark on, we invite you to explore what BCIT has to offer.

This book will give you a good idea of what sets BCIT apart from other post-secondary institutions, and what program or programs might suit you best.

We welcome you to one of Canada's premier polytechnic institutions and we encourage you to contact us if you have questions about any of our program offerings.

Good luck with the path that you choose.



A different path
Learning options
Applied and Natural Sciences
Business and Media
Computing and Electronics
Engineering Technology
Health Sciences
Trades and Apprenticeships
Exploration and Preparation

PROGRAM GUIDE SECTION
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BCIT is not a run-of-the-mill school. Everything about us sets us apart from other post-secondary experiences.

We have close business and industry partnerships. Individuals from business and industry sit on BCIT advisory committees and help us determine our curriculum. These ties also provide on-the-job experience through co-op education, opportunities for industry projects and networking opportunities. All of this means that you'll be employable upon graduation.

At BCIT, you will work very hard for the duration of your program. Many programs run all day long, just like a regular work day. Most of our programs are compressed, preparing you for employment in less than two years for most programs.

You will develop strong working relationships with your instructors. All of our instructors come from business and industry and offer students up-to-date, relevant training. Classes are relatively small and you'll have plenty of opportunities to get individualized help and attention.

BCIT is also renowned for the job placement rate of our graduates. Our graduates find work, and they are often sought by employers because of their BCIT education and training.

Our diverse programs include applied and natural sciences, business and media, health sciences, numerous trades, vocational and apprenticeship programs, as well as computing and electronics, engineering technologies, and more.

Our applied approach to research is another aspect that makes BCIT unique.

Finally, our commitment to lifelong learning is reflected in all our credentials. From associate certificates to full degrees, your BCIT education can go as far as you want to take it. The distinctions don't stop there. Read on to find out more about how we're different – and how a BCIT education will set you apart.





Learning options



"I find it rewarding to watch students grow, and to see the level of competence they can achieve in a relatively short period of time. I enjoy helping students understand the basic principles and encouraging them to apply this knowledge when problem solving on their own."

*Rob Sawatzky
Instructor, Joinery Department*

BCIT has a wide range of programs from many sectors of the economy. In the pages ahead, you'll learn about our applied and natural sciences, business and media, computing and electronics, engineering technologies, health sciences, and trades and apprenticeship programs.

The diversity doesn't stop there, though.

BCIT offers multiple ways to complete your education. Depending on the program, you may pursue learning through full-time or part-time studies, through distance education online guided learning, or gain direct work experience through cooperative education.

Learning Formats

There are many different kinds of learners. Perhaps you're ready to attend a full-time program for a year or two. Or you are already in a career and can't stop working to return to school. Maybe you don't have the flexibility to attend school at pre-specified times.

At BCIT, there are as many different ways to learn as there are learners.

Full-time Studies

Students enrolled in full-time programs attend school approximately seven hours each day, five days a week. Most often, classes are scheduled between 7 a.m. and 5 p.m.; however, a few programs follow a different schedule. Full-time programs have a set schedule of courses, in which students are automatically registered when accepted into their program.



A credential to be proud of

The educational path you choose can lead to a BCIT credential – an achievement you can be proud of, and one that employers will be impressed by. A BCIT education is well regarded by industry, and employers consistently seek out our graduates.

Certificate

A relatively short but specialized training program that combines the applied theory and practical skills to work in a particular field. It can be completed one course (or more) at a time over a period of months or years. You graduate with an Associate Certificate or a Certificate credential.

Diploma

Intense, longer programs of studies which prepare technologists and technicians for employment in technological, technical, para-professional and professional occupations. Studies combine applied theory and practical skills. Diplomas are usually (but not always) completed through Full-time Studies. See the program guide on page P.G. 1 for a listing of diploma programs.

Cooperative Education

It's possible to work in your field while completing your studies – and have your work count towards your program completion. Cooperative Education alternates periods of academic study and curriculum-related, paid working experience.

Apprenticeship

An apprenticeship consists of on-the-job training, work experience and formal classroom technical training. BCIT offers apprenticeship training in more than 30 trades. Please see pages 12 and 13 for a listing of these programs.

To enrol in apprenticeship training, a student must be working for an employer as an apprentice and must be registered as an apprentice with the Government of British Columbia. There are several ways to prepare for an apprenticeship:

- Complete an Entry Level Trades Training (ELTT) program at BCIT;

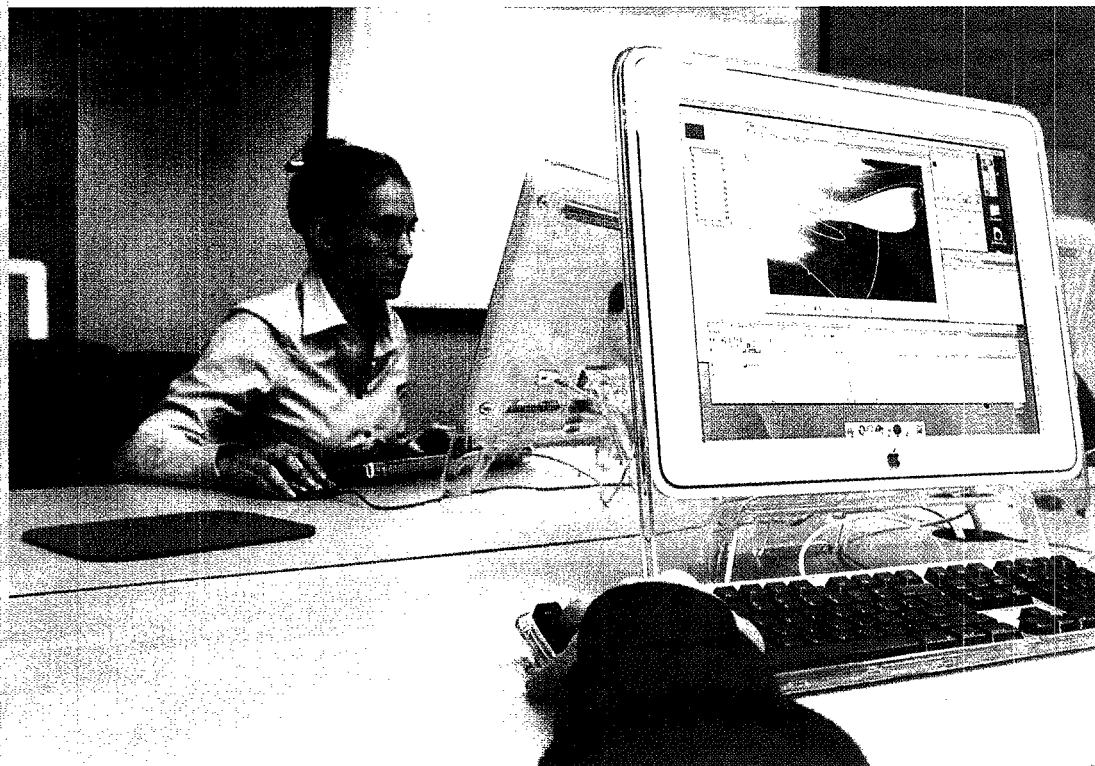
- Become employed, then enrol in Apprenticeship Training at BCIT; or
- Complete a BCIT Cooperative Education Diploma program.

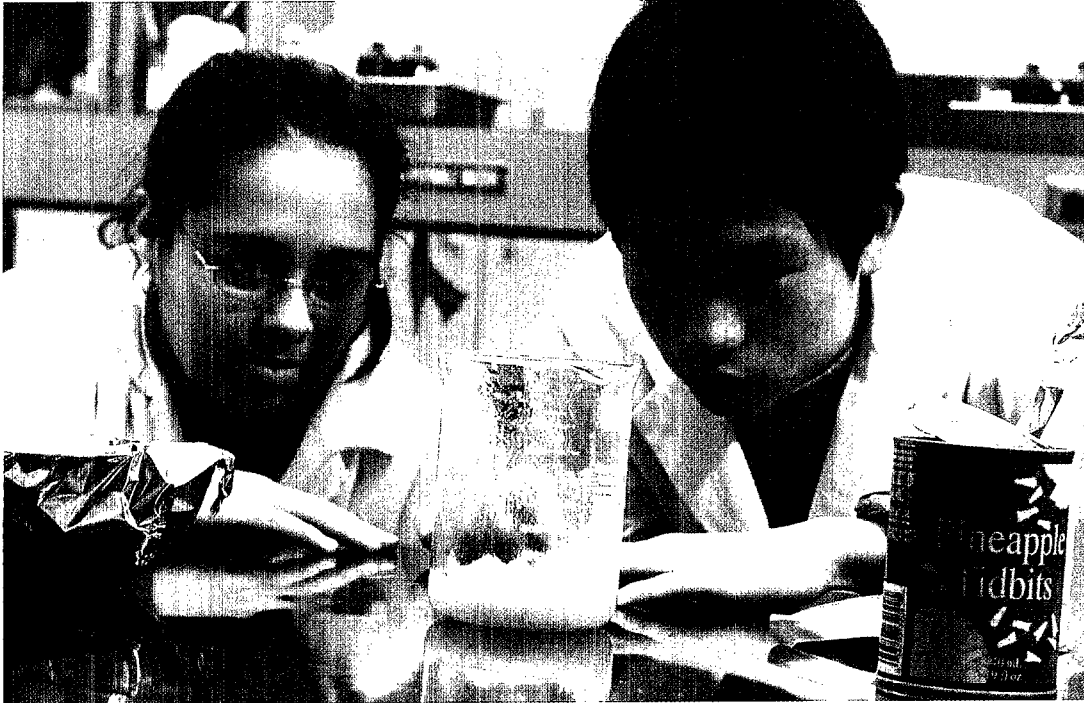
Skilled trades workers are in high demand! Completing an apprenticeship is a great way to develop skills that are much needed in today's job market, without incurring significant student debt.

International students are not eligible for apprenticeship programs.

Distance Education

Distance Education is an educational format that does not require students and instructors to be physically present in the same location for the majority of the instruction. At BCIT, Distance Education can be delivered through correspondence (where you work on your own, completing your assignments at your own pace), guided learning (where you work on your own, according to a





pre-determined structure and pace, guided by an instructor), and online learning (where you participate in a “virtual class” online).

For more details on Distance Education at BCIT, visit www.de.bcit.ca.

Part-time Studies

Studying part-time at BCIT offers you flexibility in course selection and scheduling. Through Part-time Studies, you can take individual courses that interest you. You can also complete a credential program by taking a series of specified courses. Completion of such a program would lead to a credential such as an associate certificate, a certificate, a diploma or a degree.

To learn more about part-time courses and programs, visit www.bcit.ca, or see the most recent issue of the BCIT Part-time Studies guide, available at libraries, community centres, BCIT campuses, and other locations.

Industry Training

Sometimes companies and organizations require flexible, specialized and customized training for their employees. BCIT provides corporate and workplace training for professional growth and career success.

For more information on industry training visit www.training.bcit.ca.

Degree

There are several degree options at BCIT.

A Bachelor of Technology degree at BCIT is a combination of academic education at the higher level, with advanced practical training in your field of choice. It is designed to build on previous post-secondary education and facilitate career growth and advancement for long-term success. A Bachelor of Technology can lead to graduate studies (master's degree) at BCIT or at other institutions.

BCIT also offers other degrees, such as the Bachelor of Business Administration, a Bachelor of Science (together with UBC), and other degrees in conjunction with other institutions.

BCIT has also recently been awarded legislation to offer applied master's degrees. Several degrees are already in development and will become a reality over the next few years.

Post-Diploma and Advanced Studies

Highly specialized advanced training programs build on prior education and experience. These studies consist of specialized theoretical and practical education in a particular field.



Associate Certificate Programs

- Biotechnology

Certificate Programs

- Forest Resources Technician

Diploma Programs

- Chemical Sciences Technology (Environmental Chemistry, Industrial Chemistry, Pulp and Paper)
- Food Technology
- Geomatics Engineering Technology (Digital Mapping, Surveying)
- Mining Technology
- Petroleum and Natural Gas Technology
- Renewable Resources (Fish, Wildlife and Recreation; Forest Ecosystems)
- Wood Products Manufacturing

Advanced Studies Programs

- Geographic Information Systems
- Renewable Resources Management

Degree Programs

- Bachelor of Science in Biotechnology
- Bachelor of Technology in Forensic Investigation (Economics and Computer Crime, Forensic Science)
- Bachelor of Technology in Geomatics (Surveying and Mapping, Geographic Information Systems)

Pursuing a path in applied and natural sciences will give you knowledge and skills to make the world safer, healthier, and more efficient.

You will conduct applied testing and research, gather data or materials, convert raw materials into usable products and manage industrial processes. You could find yourself working in the field, deep in the forest or at a mining site nestled in a mountain valley. A research lab, an office, or an industrial processing plant are also possible work environments.

How far do you want to go?

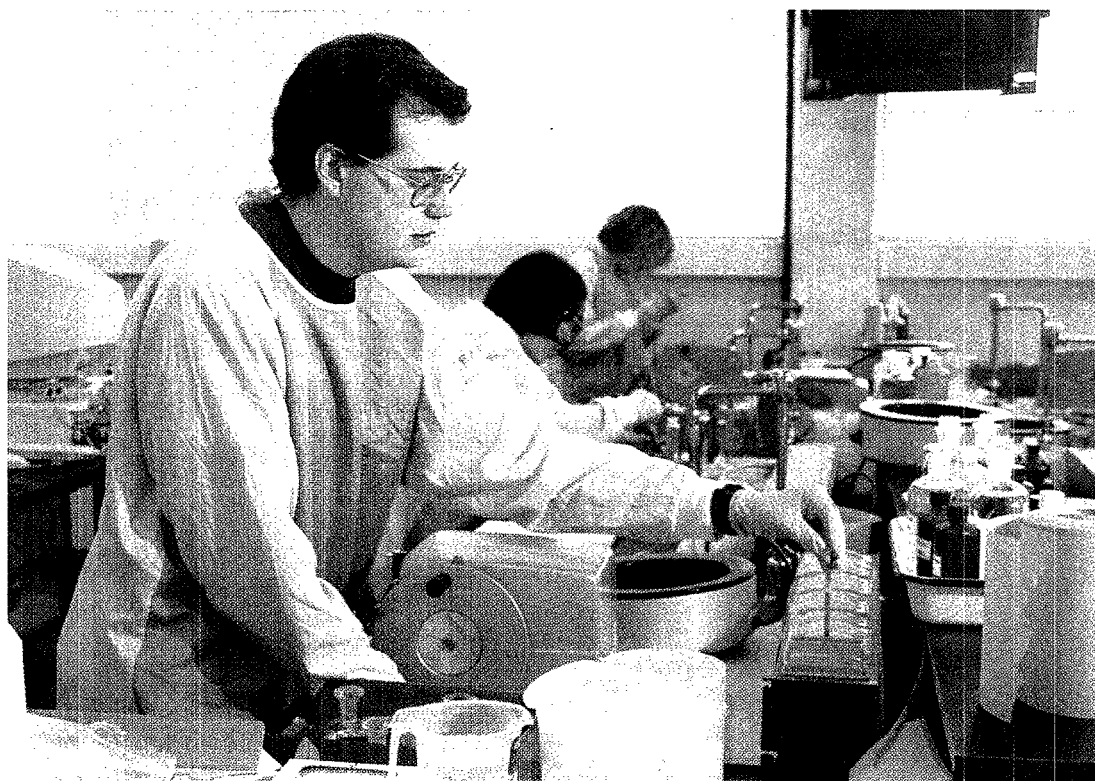
After qualifying as a technician or technologist through a Certificate or Diploma program, you can take things further. Advance your skills and

knowledge by enrolling in an advanced studies or degree completion program to take on greater challenges and responsibility.

Career ideas in this sector

If you choose a career in chemical sciences, you will have many avenues open to you—from improving industrial processes to solving environmental pollution problems. Chemical principles are the foundation of many industrial processes, so you will be in demand.

If you choose a career in mining, you'll be involved in locating valuable minerals, determining how to extract them from the earth with the least environmental damage, managing and processing this extraction. Not your usual office job.





Having skills in business, media, marketing, finance, and administration will give you a powerful toolbox for working in many environments – corporate or non-profit, government or private, in a large company, or self-employed.

BCIT's programs in business and media teach you technical skills, as well as interpersonal relations, communication, and teamwork. You can learn to process and analyse financial information, communicate messages, sell products, use technology to manage processes, solve problems, manage people and organizations, and develop business plans.

How far do you want to go?
Degree completion options give you the opportunity to build on the skills

and knowledge you established in your diploma program to advance your career.

Career ideas in this sector

Every video game you play, item you purchase, concert you attend, or treatment you receive in a hospital, has been the result of extensive planning and careful execution. An operations manager makes sure these activities occur when and how they are planned.

Are you interested in trade, international markets, and the movement of goods and materials by land, sea, and air? A career in international trade and transportation will teach you skills in market analysis, entry strategy development, and knowledge of transportation alternatives, so you can conquer the world of international markets.

Certificate and Industry Partnership Programs

- Business Analyst Professional
- Design Essentials
- Digital Animation
- Venture Program

Diploma Programs

- Broadcast and Media Communications (Programs in Journalism, Radio, and Television)
- Business Administration (Post-diploma)
- Financial Management (Advanced Accounting, Corporate Finance, Financial Planning, Micro Financial Systems, Professional Accounting, or Taxation)
- Human Resource Management
- Human Resource Management (Post-diploma)
- Information Technology Management
- Integrated Management Studies
- International Trade and Transportation
- Marketing Management (Commercial Real Estate, Marketing Communications, Communications/Direct Response, Entrepreneurship, Professional Sales, Tourism Management)
- Operations Management

Degree Programs

- Bachelor of Technology in Accounting
- Bachelor of Business Administration
- Bachelor of Technology in Management
- Bachelor of Technology in Technology Management



Hardware/Systems

Apprenticeship Programs

- Industrial Instrumentation: Apprenticeship

Certificate and Industry

Partnership Programs

- Technology Support Professional

Diploma Programs

- Computer Systems and Network Fundamentals (Leading to Networking Systems Technician or Internet Systems Technician programs)
- Electrical and Computer Engineering Technology (Automation and Instrumentation, Computer Control, Electrical Power and Industrial Control, Wireless Communications, and Computer Networks)
- Electronics Technician Common Core (Leading to Computer and Business Equipment Technician, Industrial Instrumentation Service Technician, Telecommunications Technician, Wireless Communications or Avionics programs)
- Technology Infrastructure Management

Degree Programs

- Bachelor of Technology in Electronics

Are you interested in how computers work? Would you like to help people solve their computer problems? Do you like the idea of using technology to improve business operations and solve problems? There are three areas of work and study in computing and electronics: Hardware/Systems, Software, and Internet/Web. Pursuing a path in one of these may be just the fit for you. You can develop skills in network design and administration, software programming and development, visual design, IT management, hardware repair, computer engineering for software or hardware, Web development and applications, and user support.

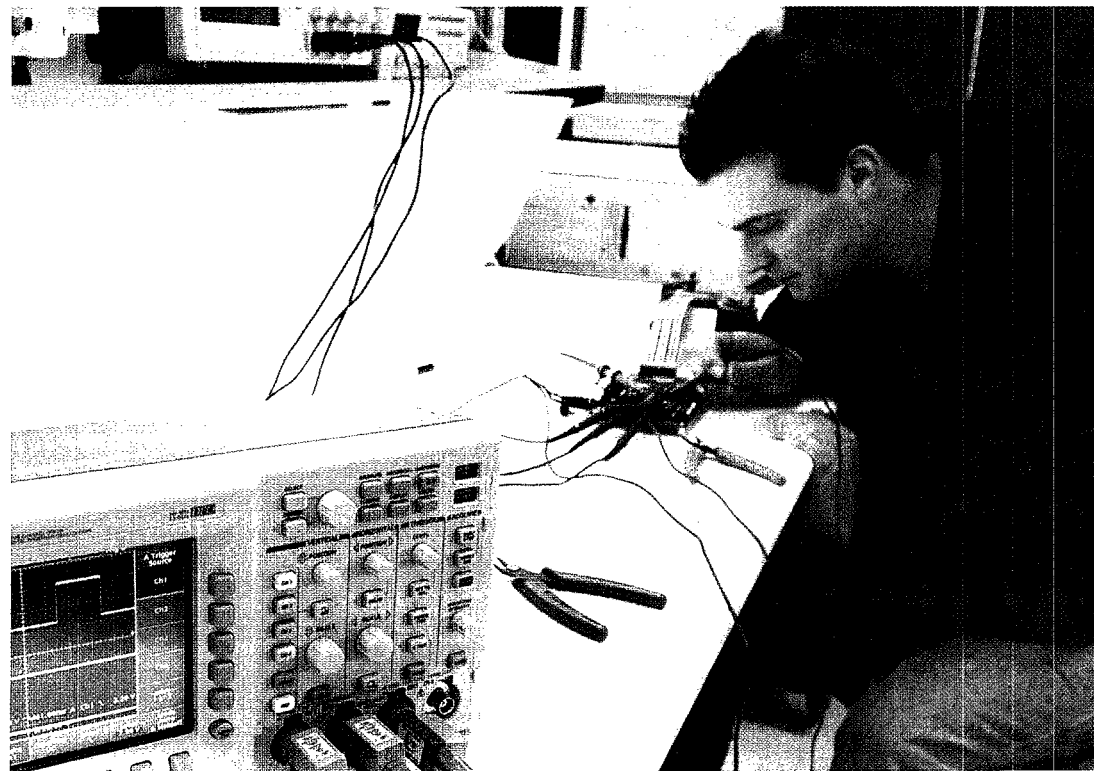
How far do you want to go?

You can start with a certificate, then specialize and earn a diploma. Or, you can start with a diploma and continue to a degree program.

Career ideas in this sector

A career in programming or software development puts you at the centre of today's markets, the movement of goods and services, banking systems, health care, and the entertainment industry. You use people skills, creativity and innovative thinking to develop software and programs that help businesses thrive. Programmers and software developers spend some of their time at a computer workstation, but almost as much of their time working with clients and colleagues.

Telecommunications technicians play an integral role in keeping people in touch. You will be responsible for installing and maintaining telecommunications equipment such as phone systems, and more. You could find yourself troubleshooting a problem by facing a room full of wires and figuring out which one isn't doing its job, then fixing it!





Software/Programming

Certificate and Industry

Partnership Programs

- Office Administrator with Technology
- Software Systems Developer

Diploma Programs

- Computer Systems Technology (Options in Client/Server, Data Communications and Internetworking, Database, Digital Processing, Embedded Systems, Information Systems, Multimedia Software Development, Systems Integration, Technical Programming)

Degree Programs

- Bachelor of Technology in Computer Systems

Internet/Web

Certificate and Industry

Partnership Programs

- New Media CD-ROM and Web Development
- Professional Web Developer

As a telecommunications technician you will have the opportunity to work in the field at different job sites.

As an internet systems technician you will set up and maintain Internet and Intranet Web sites and Web server hardware and software. You will be responsible for monitoring and optimizing network connectivity and performance. You may also be called

upon to provide user support for electronic (e-mail) systems and help users post content to Web sites. In this role, strong interpersonal skills and solid technical capabilities are the keys to success.





Certificate Programs

- Power Engineering General
- Power Engineering Technical

Diploma Programs

- Architectural and Building Engineering Technology (Architectural, Building Science, Economics Construction Operations)
- Biomedical Engineering Technology
- CAD Programming (Post-Diploma)
- Civil and Structural Engineering Technology (Construction, Geotechnical Highways, Structures, Water Resources)
- Mechanical Engineering Technology (Design/Computing, Mechanical Design, Mechanical Manufacturing, Mechanical Systems)
- Plastics Engineering Technology
- Power and Process Engineering
- Robotics and Automation
- Technology Teacher Education

Degree Programs

- Bachelor of Technology in Construction Management
- Bachelor of Technology in Environmental Engineering Technology
- Bachelor of Technology in Manufacturing

Engineering Technology teaches you how to apply science to the design, building, and use of materials and machines. For those who are strong problem solvers, methodical thinkers, team players, and creative, this might be a great path for you. You will learn to develop designs and drawings, prepare estimates, perform inspections and tests, write specifications, and troubleshoot. Engineering technologists work in the field and the office.

Career ideas in this sector

In power engineering, you operate and monitor large motors, engines, and related control devices that supply and distribute power, heat, and refrigeration. You would work in a wide range of commercial and industrial settings.

A career in plastics engineering technology is just as flexible as the material itself. With a solid background in the selection and application of plastic materials, processing technologies, and the design and development of new products, you could end up designing the next aerodynamic wakeboard.

How far do you want to go? With your diploma, you can contribute to an engineering or production team as a technologist and pursue Applied Science Technologists and Technicians (ASTT) certification if you choose. You can also build on your diploma with degree studies, which can lead to a professional engineering designation.





Diploma Programs

- Cardiology
- Clinical Genetics Technology (Post-diploma Program)
- Diagnostic Medical Sonography (Post-diploma Program)
- Electroneurophysiology Technology
- Medical Laboratory Science
- Medical Laboratory Science – Professional Qualifying Program
- Medical Radiography Technology
- Nuclear Medicine Technology
- Occupational Health and Safety
- Prosthetics and Orthotics
- Radiation Therapy Technology

Degree Programs

- Bachelor of Technology in Environmental Health (Public Health Inspector Training)
- Bachelor of Technology in Management – Health Specialty
- Bachelor of Technology in Medical Imaging
- Bachelor of Technology in Nursing
- Bachelor of Technology in Specialty Nursing (Critical Care, Nephrology, Neonatal, Pediatric, Perinatal, Perioperative, Occupational Health, and Emergency)

If you derive satisfaction from caring for others and helping them get well and stay healthy, this field of work can make a huge difference to you and to those around you. These careers involve leading-edge technology and science, caring for people, managing systems and teams, and more. You will develop the problem solving, critical thinking, patient care, and teamwork skills you need to be an exceptional health care provider.

How far do you want to go? BCIT's diploma programs in Health Sciences can lead to various bachelor's degrees, and can help you ladder to master's degrees later on.

Career ideas in this sector

If you train to be a medical laboratory technologist, you will interact with patients as you collect blood and other tissue samples. Most of your time will be spent performing laboratory investigations related to the diagnosis, treatment, and prevention of disease.

A career in environmental health would make you a critical part of public health and security. You will be involved in preventing disease, promoting health, and improving the environment through education, consultation, inspection, and monitoring techniques.



Construction

Certificate Programs

- Automated Woodworking Processes
- Boilermaking ELTT
- Carpentry ELTT
- Drafting – Options in Architectural, Civil and Municipal, Mechanical, Structural
- Ironworking ELTT
- Joinery (Cabinetmaker) ELTT
- Painting and Decorating ELTT
- Piping ELTT

- Sheet Metal Working ELTT
 - Steel Fabricating ELTT
 - Welding Levels C, B and A
- ### *Apprenticeship Programs*

- Benchwork and Joinery
- Boilermaker
- Carpentry
- Drywall Finisher
- Gasfitting
- Glazing
- Heat and Frost Insulator
- Ironworker
- Lather (Wall and Ceiling Insulation)
- Piledriver and Bridgeworker
- Plastering
- Plumbing
- Sheet Metal
- Steamfitting
- Steel Fabrication
- Welding

Electrical

Certificate Programs

- Electricity and Industrial Electronics (Electrician)
 - Security Systems Technician
- ### *Apprenticeship Programs*
- Electrical
 - Industrial Instrumentation

Mechanical

Certificate Programs

- Machinist Core ELTT
- Millwright ELTT
- Refrigeration Mechanic ELTT

Diploma Programs

- Heating, Ventilation, Air Conditioning and Refrigeration (HVAC and R)
- Industrial Maintenance Mechanic
- Machinist/CNC Machinist
- Tool and Die Technician

Apprenticeship Programs

- Benchperson
- Circular Sawfiler
- Machinist
- Millwright
- Refrigeration
- Saw Fitting

Skilled tradespeople are the ones who build and hold our cities and communities together. They construct, implement, operate, maintain and fix structures, products and systems that we depend on every day. In the trades, your work may be physical and could take place in a variety of indoor and outdoor environments. You will be prepared to handle technical information and solve problems. This is a great choice for those who enjoy working with tools and technical instruments, are able to figure out new ways of doing things, and have a positive attitude and strong work ethic.

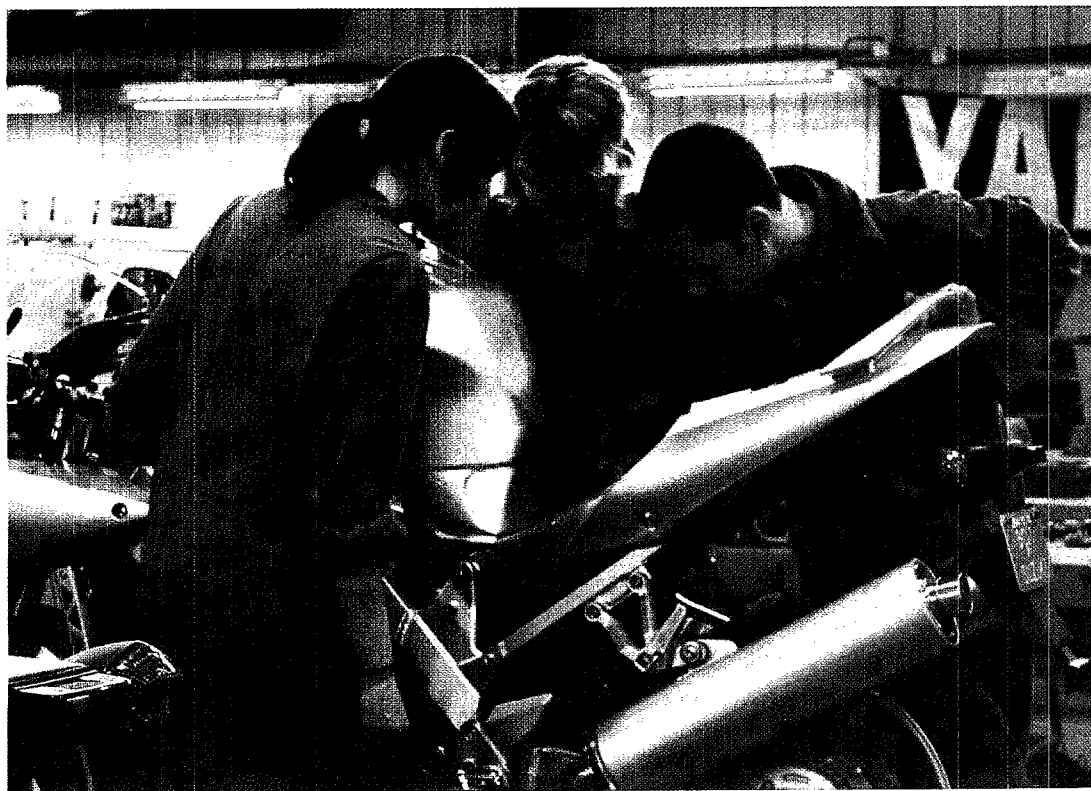
How far do you want to go?

Completing your apprenticeship will qualify you as a journeyed tradesperson in your field. Your

apprenticeship will consist of paid work experience and learning on the job and in school. Completing a diploma or an Entry Level Trades Training (ELTT) program will give you the basic skills to get hired as an apprentice, which will enable you to seek apprenticeship training. Afterwards, you can pursue other educational options, expand on your skills and knowledge, and pursue higher credentials, including diplomas and degrees.

Career Ideas in Trades

As an industrial maintenance mechanic, your career options are diverse. You have the skills to install, maintain, repair and overhaul engines, hydraulic and mechanical systems, and other machinery. Your advanced technical skills allow you do both





installation and maintenance. You will be able to work in a wide range of industrial settings, such as industrial plants, and in mining and logging sites. Pursuing an apprenticeship in the millwright or machinist trade is an option with the opportunity to specialize and become certified.

As a joiner (cabinetmaker) you will have the skills to create beautifully crafted furniture, funky cabinets, stunning boat interiors and fancy store fixtures. You may find yourself working with construction companies, cabinetmakers, and furniture manufacturers where you will be working in a workshop, at a

construction site, or perhaps on the floor of a manufacturing plant.

As an automotive technician, you will have the skills of the automotive trade to examine vehicles to find out what needs to be fixed and to estimate repair costs. You will repair damage or perform preventive maintenance on the mechanical, electrical and electronic systems and components of cars, inspect the completed work and test that the vehicle's performance meets required standards.

For more information on Apprenticeship training, see page 4.

Technology Teacher Education

Diploma Program

- Technology Teacher Education

Transportation

Associate Certificate/Statement of Completion Programs

- Bridge Watchman
- First Mate, Intermediate Trade
- Marine Engineer (various)
- Master (350 GT, Limited)
- Railway Conductor

Certificate Programs

- Aircraft Gas Turbine Technician
- Aircraft Interior Technician
- Aircraft Maintenance Engineering Category S (Structures)
- Aircraft Mechanical Component Technician
- Aircraft Structures Manufacturing Technician
- Automotive Electronics Technician
- Automotive Mechanic ELTT (General, Toyota T-TEP, Volkswagen)
- Commercial Transport Mechanic ELTT (Truck and Bus Mechanic)
- Diesel Engine Electronics
- Diesel Engine Mechanic ELTT
- Heavy Duty Mechanic ELTT
- Inboard/Outboard Mechanic ELTT
- Motorcycle Mechanic ELTT
- Power Equipment Mechanic ELTT
- Warehouseperson/Equipment Operator
- Watchkeeping Mate Restricted

Diploma Programs

- Aircraft Maintenance Engineering Category E (Avionics)
- Aircraft Maintenance Engineer Category M (Maintenance)
- Airline and Flight Operations (Commercial Pilot)
- Airport Operations
- Auto Collision Refinishing Technician
- Auto Collision Repair Technician
- Automotive Service Technician
- Automotive Service Technician (Ford ASSET)
- Marine Engineering
- Master Intermediate Trade
- Nautical Sciences

Apprenticeship Programs

- Aerostructures
- Automotive Technician
- Automotive Technician GM
- Automotive Technician Honda
- Commercial Transport
- Heavy Duty Mechanic
- Inboard/Outboard Mechanic
- Motorcycle Mechanic

Exploration and Preparation Programs

If you are undecided on the path that is right for you and want to explore a little more, or if you want to do some academic preparation for a program you have chosen, BCIT has several options that may help.

Preparation

Pre-Entry Courses

These are individual day or night courses available to students who wish to upgrade their education to meet the entrance requirements for a specific program.

Technology Entry

Technology Entry (TE) is a 15-week full-time program that provides academic upgrading for students who wish to apply for Engineering Technology, Electronics, and some Health Sciences programs at BCIT.

Fresh Start

This full-time technical literacy program provides academic upgrading in an applied setting for students who wish to enter a trades/technical program at BCIT. Fresh Start provides training in communications, math, physics, computers, and study skills.

Student Success Survive/Thrive (NTRY 0303)

Student Success Survive/Thrive prepares students to manage the BCIT workload and pace. This 30-hour course, offered at the end of August each year, teaches success strategies in reading, note taking, memory improvement, time and stress management, test writing, and working in groups. The practical ideas and techniques will benefit current and future students, both in their studies and in the workplace.

BCIT Preparation: Early Orientation (CEPD 0200)

This two-hour course, offered through Part-time Studies, is an early orientation for students accepted into a BCIT program. It introduces the factors in student success, study skills, time and stress management, and accessing support and assistance at BCIT.

Exploration

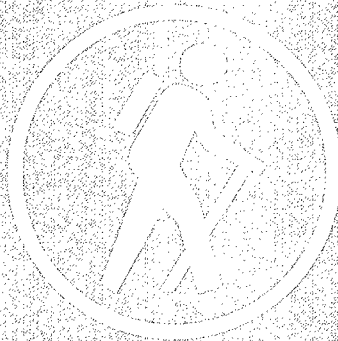
Trades Discovery—General

This full-time program is designed to prepare men and women to successfully enter and complete a trades training program. Upon completion, students will be able to evaluate their suitability for working in the trades, determine the trade they wish to pursue, work safely in the shop and on a construction site, use hand and power tools, and be successful at BCIT.

Trades Discovery for Women

This full-time program is designed to prepare women to successfully enter and complete a Trades Training program. On completion, students will be able to evaluate their suitability for working in the trades, determine the trade they wish to pursue, work safely in the shop and on a construction site, use hand and power tools, and be successful at BCIT.





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Your guide to full-time programs

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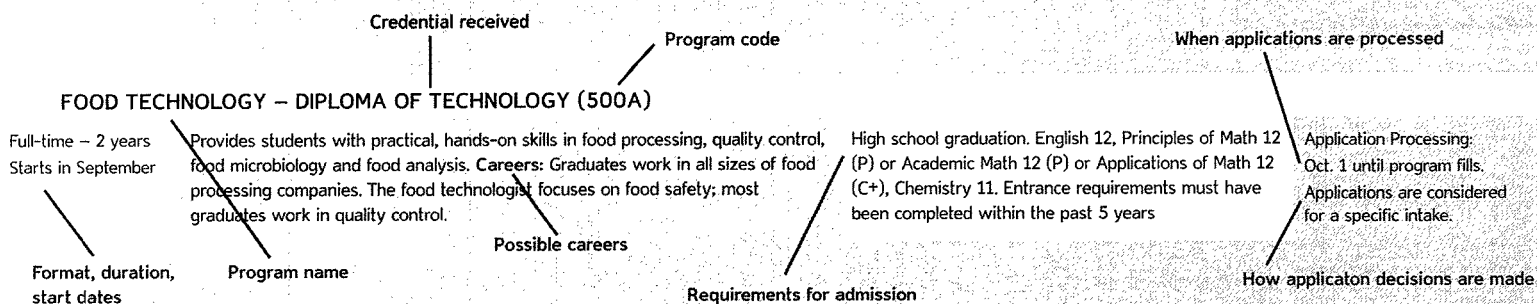
A POLYTECHNIC INSTITUTION

This BCIT Path Finder program guide provides you with a listing of the full-time programs you can choose from. You will find information on the programs themselves, as well as entrance requirements and details on application processing. Please note – the entrance requirements listed are the minimum prerequisites required for admission. Some programs have additional admission requirement criteria and information that you can view online at <http://programs.bcit.ca>.

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HOW TO USE THIS GUIDE





Applied and Natural Sciences

Program Info	Program and Career Description	Entrance Requirements	Application Details
BIOTECHNOLOGY – BACHELOR OF SCIENCE (8950)			
Full-time – 4 years (2 at BCIT plus 2 at UBC) Starts in September each year	This program combines UBC's training in science theory with BCIT's laboratory training. The joint program will produce graduates with strong scientific and technical backgrounds as well as business and communications skills. Careers: Life sciences research, production of biological products in commercial markets, and laboratory analysis.	High school graduation. English 12. Resume. Biotechnology questionnaire. Interview. 30 credits of first year college/university courses with a 2.65 GPA including: UBC ENGL 100 level (6 credits) English 112 is recommended, UBC BIOL 112 and BIOL 121 (or 100-level) (6 credits), UBC MATH 102 (or any one of MATH 100, 104, 120, 180 or 182) (3 credits), UBC MATH 103 (or any one of MATH 101, 105 or 121) (3 credits), UBC PHYS 101 and an additional 3.0 credit 100-level physics course or equivalent (6 credits), UBC CHEM 121 or 111 (3 credits), UBC CHEM 123, CHEM 113 or any 100-level CHEM course (3 credits). Entrance requirements must have been completed within the past 5 years or be relevant to the candidate's current work or educational experiences.	Application Processing: Oct. 1 – Feb. 28 Applications are considered for a specific intake. The selection process is competitive.
BIOTECHNOLOGY – ASSOCIATE CERTIFICATE (500B)			
Full-time – 12 weeks Starts in June	If you hold a BSc degree or equivalent, but lack practical experience, this program provides you with up-to-date practical skills to find work in the biotechnology field. This credential can also be a basis to pursue a master's or doctorate degree. Careers: Research technologist in biotech companies.	English 12 (C+ or better average). BSc degree or equivalent combined education and experience. Students who do not meet these requirements should consider upgrading or completing education to meet the above requirements.	Application Processing: Contact the department at 604-453-4074 for application information. Applications are considered for a specific intake.
CHEMICAL SCIENCE TECHNOLOGY – DIPLOMA OF TECHNOLOGY (535C)			
Full-time – 2 years Starts in September Options in: Environmental Chemistry, Industrial Chemistry, Pulp & Paper	Chemical principles form the basis for most industrial processes and products. Students develop the skills that apply to almost every major industrial and research activity in BC, from improving industrial processes to solving environmental pollution problems. Careers: Chemist and analyst, engineering assistant or materials testing specialist, assayer or mineral processing technician, and process technologist.	High school graduation. English 12, Principles of Math 12 (P) or Academic Math 12 (P) or Applications of Math 12 (C+), Chemistry 11. Physics 11 and Chemistry 12 are strongly recommended.	Application Processing: Oct. 1 until program fills. Applications are considered for a specific intake.
ENVIRONMENTAL ENGINEERING TECHNOLOGY, BACHELOR OF TECHNOLOGY – SEE ENGINEERING TECHNOLOGY			
ENVIRONMENTAL HEALTH, BACHELOR OF TECHNOLOGY (PUBLIC HEALTH INSPECTOR TRAINING) – SEE HEALTH SCIENCES			
FOOD TECHNOLOGY – DIPLOMA OF TECHNOLOGY (500A)			
Full-time – 2 years Starts in September	Provides students with practical, hands-on skills in food processing, quality control, food microbiology and food analysis. Careers: Graduates work in all sizes of food processing companies. The food technologist focuses on food safety; most graduates work in quality control.	High school graduation. English 12, Principles of Math 12 (P) or Academic Math 12 (P) or Applications of Math 12 (C+), Chemistry 11. Entrance requirements must have been completed within the past 5 years.	Application Processing: Oct. 1 until program fills. Applications are considered for a specific intake.
FORENSIC INVESTIGATION – BACHELOR OF TECHNOLOGY (845A)			
Part-time Courses start in January, April, September Options in: Economics and Computer Crime, Forensic Science	This degree will enhance the theoretical knowledge base and investigative skills to work in the specialized and diverse fields of forensic investigation. You'll learn scientific principles, procedures, technologies and the legal ramifications of an investigator's work. Careers: Graduates may work in a range of investigative and crime prevention positions, depending on academic background and work experience.	Two-year diploma or associate degree in a relevant discipline from a recognized post-secondary institution, or a bachelor's degree in a relevant discipline. PLAR evaluation may be available. Minimum of 6 months' work experience in a relevant discipline completed prior to entry and a total of 2 years experience before completion of the program. Completion of selected pre-admission bridging courses (if required). Criminal background check and personal interview with the program head.	Application Processing: Ongoing, throughout the year.

FOREST RESOURCES TECHNICIAN – CERTIFICATE OF TECHNOLOGY (7370)

Full-time – 1 year
Starts in September

Learn how to conduct field work in the forest industry. Course topics include ecology, silviculture, communications, engineering, inventory sampling, photo interpretation and forest health. Careers: Graduates find work in forest inventory, silviculture, engineering, forest protection or watershed restoration with woodlots, forest companies, consulting firms or not-for-profit organizations.

GEOGRAPHIC INFORMATION SYSTEMS – ADVANCED DIPLOMA (9100)

Full-time – 1 year
Part-time – 2-3 years
Starts in September

Used to manage and utilize geographic data, Geographic Information Systems (GIS) technology is an essential tool in forest management, urban planning, engineering, municipal management, business, and environmental studies. Careers: Graduates find work developing GIS databases, using GIS to analyse data and predict the result of planned changes, managing GIS projects, planning the acquisition of GIS technology, developing GIS custom systems and training GIS users.

GEOMATICS – BACHELOR OF TECHNOLOGY (8350)

Part-time (students must complete within six years)
Accelerated – 12 months
Courses start in January, April, September
Options in: Surveying and Mapping, Geographic Information Systems

With continual changes in spatial data capture and management, this degree provides excellent opportunities for career enhancement and professional growth. Careers: Graduates may work as land surveyors, as technical experts in the areas of mapping or hydrography, as managers of GIS and surveying and mapping operations, or as GIS analysts.

GEOMATICS ENGINEERING TECHNOLOGY – DIPLOMA OF TECHNOLOGY (749A)

Full-time – 2 years
Starts in September
Options in: Digital Mapping, Surveying

Surveying and photogrammetry are essential to many phases of industrial and business development including construction, natural resource exploration and development, and mapping. Learn sophisticated surveying techniques using electronic devices and computers so that shape, size and location of objects or land masses can be determined with precision and speed. Careers: Surveying firms, engineer consultation, the oil and gas industry, government mapping, highway, planning and engineering departments and utility companies.

MINING TECHNOLOGY – DIPLOMA OF TECHNOLOGY (6600)

Full-time – 2 years
Starts in September

Every-day products, buildings, vehicles, roadways, power lines, electricity, appliances, and high tech equipment that provide us with modern conveniences are built from products obtained from the mining and minerals industry. Careers: Engineering, geology, surveying, blasting, environmental, mineral processing or management departments at mines, or with geology crews in exploration, with engineering consulting companies, and at assay labs.

PETROLEUM AND NATURAL GAS TECHNOLOGY – DIPLOMA OF TECHNOLOGY (7000)

Full-time – 2 years
Starts in September

Learn the skills to work in the petroleum and natural gas industries. Careers: Work in industry and government, in the office, plant and the field in: exploration and production, transmission and distribution, processing and refining.

RENEWABLE RESOURCES MANAGEMENT – ADVANCED DIPLOMA (9275)

Full-time
Part-time
Starts in May

Appeals to those who seek to improve skills in integrated resource planning and management. The program also develops teamwork and interpersonal skills; problem-solving and decision-making abilities in the resource sector. Careers: Project leaders, field supervisors or information coordinators.

Principles of Math 10 (C+) or Applications of Math 10 (C+), minimum Grade 10 in English or equivalent based on Prior Learning Assessment or satisfactory performance in a pre-entry exam. Preference given to applicants with high school graduation, credentials beyond the Grade 10 level, BCIT Technology Entry, or documented work experience.

English 12, Diploma of Technology or degree in a related field. Good communication, teamwork and technical problem-solving skills. Fundamental computer literacy and computer programming skills. Resume. Letter of intent. Students whose native language is not English and who have completed their degree/diploma at a post-secondary institution where English was not the language of instruction are required to satisfactorily complete a BCIT Communications department English Language Competency Test.

English 12 or equivalent. A recognized Diploma of Technology, or equivalent, in an engineering or science discipline, or a related field or a degree in Engineering, Science, Applied Science or related field. GIST 6121 or equivalent introductory statistics course. Two years' relevant work experience. Students whose native language is not English and who have completed their degree/diploma at a post-secondary institution where English was not the language of instruction are required to satisfactorily complete a BCIT Communications department English Language Competency Test. Interview with program head.

High school graduation. English 12, Principles of Math 12 (pass) or Applications of Math 12 (C+), Physics 11 or Chemistry 11 or Earth Sciences 11. Preference given to students achieving a grade of C or better. Entrance Requirements must have been completed within the last 5 years. Applicants who have completed Earth Science 11 and Geology 12 are eligible to apply for course credit in BCIT course SURV 2263.

High school graduation. English 12, Principles of Math 12 (P) or Academic Math 12 (P) or Applications of Math 12 (C+), Chemistry 11 or Physics 11. Completion of Earth Sciences 11 and Geology 12 is strongly recommended and allows applicants to apply for a BCIT course credit in MINE 1101.

High school graduation. English 12, Principles of Math 12 (P) or Academic Math 12 (P) or Applications of Math 12 (C+), Chemistry 11 or Physics 11. Completion of Earth Sciences 11 and Geology 12 an asset.

English 12 or equivalent. A Diploma of Technology or degree in a related field. A GPA of 65% or better is preferred. Good communication, teamwork and technical problem-solving skills. Computer literacy. Resume and list of references. Interview with a department representative. Current Fish, Wildlife & Recreation and Forest Ecosystems students can apply at the end of their first academic year.

Application Processing:
Oct. 1 until program fills.
Applications are considered for a specific intake.

Application Processing:
Oct. 1 until program fills.
Applications are considered for a specific intake.

Application Processing:
Ongoing, throughout the year.

Application Processing:
Oct. 1 until program fills.
Applications are considered for a specific intake.

Application Processing:
Oct. 1 until program fills.
Applications are considered for a specific intake.

Application Processing:
Oct. 1 until program fills.
Applications are considered for a specific intake.

Application Processing:
Completed applications and supporting documentation must be submitted by Dec. 31 of the year prior to the May start date.
Applications are processed for a specific intake.

*Specific program criteria must be fulfilled



Applied and Natural Sciences *continued*

Program Info	Program and Career Description	Entrance Requirements	Application Details
RENEWABLE RESOURCES – FISH, WILDLIFE AND RECREATION – DIPLOMA OF TECHNOLOGY (7200)			
<p>Full-time – 2 years Starts in September</p>	<p>Manage fish, wildlife and wild land recreation and examine habitat ecology, environmental inventory techniques and environmental law with respect to these resources. Careers: Graduates may work in both government agencies (local, regional, provincial and federal) and in the private sector, primarily with environmental consultants.</p>	<p>High school graduation. English 12 (C), Math 11 (C+) or Principles of Math 11 (C+) or Applications of Math 11 (C+), Biology 11 (C). Any one additional science course at Grade 11 or 12 level with a C or better from the following: Biology, Chemistry, Physics, or Applied Physics, Earth Science, Geology or Science and Technology. Chemistry is strongly recommended. Resume. Letter of intent. Medical clearance may be required prior to admission to the program.</p>	<p>Application Processing: Oct. 1 until program fills. Applications are considered for a specific intake.</p>
RENEWABLE RESOURCES – FOREST ECOSYSTEM – DIPLOMA OF TECHNOLOGY (7280)			
<p>Full-time – 2 years Starts in September</p>	<p>Learn about forest management, botany, ecology and soils; photo interpretation and mapping; forest health; silviculture and reforestation; protection and fire management; measurements; engineering, logging production and utilization. Careers: Graduates work in a variety of industrial, consulting, and government positions, in forest inventory, managing forest resources, ecosystem reconnaissance and mapping, forest engineering, preparing silvicultural plans and carrying out surveys, and forest health surveys.</p>	<p>High school graduation. English 12 (C), Math 11 (C+) or Principles of Math 11 (C+) or Applications of Math 11 (C+). Note: Students who have completed Principles of Math 11 within the last two years, and achieved a minimum grade of C may also be considered for admission. Two sciences at the Grade 11 or Grade 12 level or equivalent post-secondary science courses with a minimum C. One of the sciences must be from Physics, Chemistry or Biology. The second science may include Geology, Earth Sciences, Applied Physics, recognized Resource Science 12, Geography or Forestry. Handwritten 1-page letter. Resume.</p>	<p>Application Processing: Oct. 1 until program fills. Applications are considered for a specific intake.</p>
WOOD PRODUCTS MANUFACTURING – DIPLOMA OF TECHNOLOGY (7550)			
<p>Full-time – 2 years Starts in September</p>	<p>BC's leading industry is rapidly adopting advanced technology for the production of lumber and panels. Learn the automated processes to convert raw material into products in new computerized plants. Careers: Supervisors, foremen, mill managers, sales people and sales managers, traders and quality control technicians or supervisors.</p>	<p>High school graduation. English 12, Principles of Math 11 (C+) or Academic Math 11 (C+) or Applications of Math 11 (C+), any science course at Grade 11 level.</p>	<p>Application Processing: Oct. 1 until program fills. Applications are considered for a specific intake.</p>

Business and Media

ACCOUNTING – BACHELOR OF TECHNOLOGY (8400)

<p>Part-time (students must complete within 7 years) Courses start in January, April, September</p>	<p>An academic credential leading to a professional accounting designation or to an MBA program. You will acquire the key technical, interpersonal, communication, problem-solving and computer skills demanded by employers. Careers: Financial auditors, accountants and financial managers.</p>	<p>English 12 or equivalent. BCIT Financial Management diploma or equivalent with an average of at least 70%. An interview with the program head (call 604-432-8786). Access to a computer with a modem.</p>	<p>Application Processing: Ongoing, throughout the year.</p>
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AIRLINE AND FLIGHT OPERATIONS – SEE TRADES AND APPRENTICESHIP (TRANSPORTATION)

AIRPORT OPERATIONS – SEE TRADES AND APPRENTICESHIP (TRANSPORTATION)

BACHELOR OF BUSINESS ADMINISTRATION (FORMERLY ADVANCED STUDIES IN BUSINESS) – BACHELOR OF BUSINESS ADMINISTRATION (9070)

<p>Full-time or part-time Starts in September</p>	<p>BCIT is now granting the Bachelor of Business Administration degree (BBA), which was previously offered in collaboration between BCIT and BC Open University (BCOU). This new degree will provide students with opportunities to meet the needs of business, government, and industry for highly trained management generalists.</p>	<p>BCIT School of Business Diploma from Financial Management, Human Resource Management, Information Technology Management, Integrated Management Studies, International Trades & Transportation, Marketing, Operations Management (with an overall 72% grade average). 200-word written statement outlining why you would like to pursue this degree.</p>	<p>Application Processing: Oct. 1 until program fills. Applications are considered for a specific intake.</p>
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BROADCAST AND MEDIA COMMUNICATIONS – DIPLOMA OF TECHNOLOGY (610A)

<p>Full-time – 2 years Starts in September Programs in: Radio, Television, Journalism</p>	<p>Work in radio and television, broadcast journalism and related areas. Those interested in entering related fields, such as audio and video production, public relations and cablecasting, will find much of the basic background included in these programs. Careers: Work throughout BC and the world over, wherever radio, television, cable facilities, audio and video production operations exist.</p>	<p>High school graduation. English 12. Successful completion of an entrance exam that evaluates English literacy, current events awareness, general knowledge and computer literacy. Keyboarding speed of 25 wpm. 500-word essay detailing personal history, career goals and reasons for choosing broadcasting as a career. Letters of reference. Resume. Possible interview.</p>	<p>Application Processing: Oct. 1 until program fills. Applications are considered for a specific intake.</p>
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BUSINESS ADMINISTRATION (POST-DIPLOMA) – DIPLOMA OF TECHNOLOGY (5200)

Full-time – 1 year
Starts in September

Designed for the college, technical institute or university graduate, this program includes management accounting, economics, marketing, law, human resource management, labour relations, and business systems computer software applications. Provides an introduction to current business practice, preparing students with a disciplined and professional approach to management.

BUSINESS ANALYST PROFESSIONAL – BCIT/INDUSTRY PARTNERSHIP (5220)

Full-time – 1 year
2 intakes per year

Business analysts can manage business issues from an IT perspective and IT issues from a business perspective, helping the two groups to communicate and integrate. Careers: Work in the business, finance, government, health, and information technology industries as a business analyst, consultant, systems analyst, technical analyst, IT analyst, information analyst, IS analyst and project manager.

DESIGN ESSENTIALS – MANAGEMENT CERTIFICATE (6190)

Full-time – 1 year

This new program partners BCIT with the Emily Carr Institute of Art & Design to offer qualifying students a foundation in design, desktop publishing and Web software skills. Careers: Design Essentials is beneficial to budding designers, design-department managers, graphic artists, commercial printers, and managers who currently buy graphic design services in the print industry.

DIGITAL ANIMATION – MANAGEMENT CERTIFICATE (6430)

25 hours/week for 25 weeks
Expected intakes are April and September

Technical and creative aspects as well as the main elements of design, planning and implementation are covered. Careers: Graduates have the basic skills to work as a junior animator in the entertainment industry.

FINANCIAL MANAGEMENT – DIPLOMA OF TECHNOLOGY (585B)

Full-time – 2 years
Starts in September
Options in: Advanced Accounting, Corporate Finance, Financial Planning, Microfinancial Systems, Professional Accounting, Taxation

No enterprise can survive without funding and financial control. In modern business, the techniques of financial management, financial planning, budget preparation and financial control have become important management tools. Careers: Financial accounting, cost accounting, internal audit and budget preparation, banking, venture capital, international finance, providing advice and guidance related to taxation, investments, estate and retirement planning.

HUMAN RESOURCE MANAGEMENT – DIPLOMA OF TECHNOLOGY (625A)

Full-time – 2 years
Starts in September

Provides specialized knowledge, skills and abilities related to organizational systems and processes that focus on enhancing human behaviour in the workplace. Careers: Graduates are prepared for entrance, at a professional/technical level, in a generalist or specialist human resource management position.

HUMAN RESOURCE MANAGEMENT (POST-DIPLOMA) – DIPLOMA OF TECHNOLOGY (5950)

Full-time – nine months
Starts in September

Provides specialized knowledge, skills and abilities related to organizational systems and processes that focus upon enhancing human behaviour in the workplace. Careers: graduates are prepared for entrance, at a professional/technical level, into either a generalist or specialist human resource management position.

English 12. College/university graduation (any major) or Diploma of Technology in Health or Engineering, or equivalent. Previous business experience is preferable but not mandatory. Applicants should be interested in supervisory and managerial positions or operating their own businesses.

Application Processing:
Oct. 1 until program fills.
Applications are considered for a specific intake.

English 12 (C+). Undergraduate degree or diploma from a recognized college, institute or university. Some basic skills in word processing and the use of a spreadsheet. Industry/work experience. Interest in business and its relationship to information technology. Selection interview with a faculty and/or staff member.

Application packages and information can be obtained from the High-Tech Professional Programs office.
Call 604-412-7788, email info@htp.bcit.ca or visit www.htp.bcit.ca.

High school graduation. Interview. Portfolio.

Application packages and information can be obtained during the required information session. See www.bcit.ca/infosessions for the schedule.

English language proficiency. High school graduation. Information session attendance. Entrance exam. Interview with department. Portfolio.

Application packages and information can be obtained during the required information session. See: www.bcit.ca/infosessions for schedule.

High school graduation. English 12 (C+), Math 11 (C+). Applicants must have inquiring and logical minds, the capacity for hard work, excellent communication skills, and the ability to work well with others.

Application Processing:
Oct. 1 until program fills.
Applications are considered for a specific intake.

High school graduation. English 12 (C+), Math 11 (C+). Resume. Letter of intent. Possible interview.

Application Processing:
Oct. 1 until program fills.
Applications are considered for a specific intake.
Enrolment is limited.

English 12. College or University Degree or Diploma of Technology. FMGT 1152 (65% or better), ECON 2200 (65% or better), HRMG 3100 (or HRMG 3105), ORGB 1100 (or ORGB 1105), BUSA 2100 (or BUSA 2005). Strong proficiency in microcomputer applications is required – provide a written explanation detailing experience with word processing and statistical analysis utilizing spreadsheet programs. Resume. Letter of intent. Possible interview.

Application Processing:
Oct. 1 until program fills.
Applications are considered for a specific intake.
Enrolment is limited.

*Specific program criteria must be fulfilled



Business and Media *continued*

Program Info	Program and Career Description	Entrance Requirements	Application Details
INFORMATION TECHNOLOGY MANAGEMENT – DIPLOMA OF TECHNOLOGY (6230)			
Full-time – 2 years Starts in September	Students learn business fundamentals (accounting, human resources, marketing and operations), the value of information technology as a business improvement tool, and will have hands-on computer skills to solve specific business problems. Careers: Work in the high-tech industry (customer support, customer trainer, sales support, implementation assistant) or in traditional organizations (business analyst, end-user support, end-user training, network administrator).	High school graduation. English 12 (C+), Math 11 (C+). Math 12 highly recommended. Resume. Letter of intent. Good interpersonal and team work skills.	Application Processing: Oct. 1 until program fills. Applications are considered for a specific intake.
INTEGRATED MANAGEMENT STUDIES – DIPLOMA OF TECHNOLOGY (6240)			
Full-time – 2 years Starts in September	Students develop skills in business (accounting, marketing, operations and computer applications), learn to work well in culturally diverse organizations, and develop understanding of modern business dynamics. Careers: Work in areas including general management, human resource management, marketing, entrepreneurial ventures, information technology and accounting or finance. For many, initial work be in a supervisory capacity, in management or in marketing with medium to large firms.	High school graduation. English 12 (C+), Math 11 (C+). Resume. Letter of intent. Good interpersonal and team work skills.	Application Processing: Oct. 1 until program fills. Applications are considered for a specific intake.
INTERNATIONAL TRADE AND TRANSPORTATION – DIPLOMA OF TECHNOLOGY (7480)			
Full-time – 2 years Starts in September	Provides broad training in the fundamentals of business and their application to trade and transport. Careers: Work in any economic sector in which international markets play a role in the firm's success. Opportunities in marketing, finance and management, with firms such as trading houses, importers and exporters, customs brokers, freight forwarders, and transportation providers.	High school graduation. English 12 (C+), Math 11 (C+). Resume. Letter of intent. An interview with program area staff may be required to assess oral communications skills. This interview is waived for those applicants who score 60% or higher on the BC English 12 Provincial Examination.	Application Processing: Oct. 1 until program fills. Applications are considered for a specific intake.
MANAGEMENT – BACHELOR OF TECHNOLOGY (8700)			
Distance Education (students must complete within 7 years)	Designed for career-oriented adults working as supervisors or managers in a traditionally structured organization, or as team leaders/participants in a team-based organization who want to: develop and enhance their generic management knowledge and skills; improve their on-the-job performance; and continue to work full time while completing a management degree.	English 12 or equivalent. Diploma or equivalent. Resume. 2 years' current full-time employment in a management or supervisory position. Computer literacy. Letter of intent. One letter of support from the applicant's employer that also identifies a workplace advisor for the applicant. Two letters of support from colleagues, clients or customers commenting on the applicant's ability to complete the degree. Interview with the program head. For information on an alternate entry model please see http://programs.bcit.ca .	Application Processing: Ongoing, throughout the year.
MARKETING MANAGEMENT – DIPLOMA OF TECHNOLOGY (630R)			
Full-time – 2 years Starts in September Options in: Commercial Real Estate, Communications/Direct Response, Entrepreneurship, Communications, Professional Sales, Tourism	From the identification of critical issues to the strategic planning and execution required to survive and succeed, marketing plays a pivotal role, and the BCIT Marketing Management graduate is equipped to make a positive contribution in these areas. Careers: Graduates are job ready, and have earned an outstanding reputation in careers ranging from specialized industry roles to broader entrepreneurial careers.	High school graduation. English 12 (C+) or better, Math 11 (C+) or better. Resume. Letter of intent. A personal interview with the program faculty may be required to obtain final acceptance.	Application Processing: Oct. 1 until program fills. Applications are considered for a specific intake.
NEW MEDIA CD ROM AND WEB DEVELOPMENT – SEE COMPUTING AND ELECTRONICS (INTERNET/WEB)			
OFFICE ADMINISTRATOR WITH TECHNOLOGY – SEE COMPUTING AND ELECTRONICS (SOFTWARE/PROGRAMMING)			

OPERATIONS MANAGEMENT – DIPLOMA OF TECHNOLOGY (6900)

Full-time – 2 years
Starts in September

Explores the way organizations produce and distribute goods and services. Virtually every product you use comes to you because operations managers organized its production and distribution. Careers: Typical entry-level positions include material planner/scheduler, buyer, project coordinator, production supervisor, quality assurance technologist, shipping/receiving supervisor, systems analyst, inventory analyst, maintenance coordinator, management trainee, business analyst, warehouse supervisor, assistant plant manager, purchaser, industrial engineering technologist, product analyst, or systems troubleshooter.

High school graduation. English 12 (C+), Math 11 (C+). If your mathematical skills are in doubt, it is recommended that you take OPMT 0199.

Application Processing:
Oct. 1 until program fills.
Applications are considered for a specific intake.

TECHNOLOGY MANAGEMENT – BACHELOR OF TECHNOLOGY (8350)

Part-time / Distance
Education – 3-5 years
(students must complete within 7 years)

Technologists and others learn the knowledge, skills and attitudes for their roles as supervisors and managers in technical organizations. Careers: Graduates assume leadership roles as supervisors and managers at the junior and mid-management levels in the high-tech sector, as well as in other industry sectors where technology plays a major role.

English 12 or equivalent. Diploma of Technology from BCIT or equivalent institution or a related degree from a recognized post-secondary institution. 2 years of relevant work experience, subject to departmental approval.

Application Processing:
Ongoing, throughout the year.

Courses start in January, April, September

VENTURE PROGRAM – ASSOCIATE CERTIFICATE (7820)

Full-time – 3 months

This program will not teach you how to be an entrepreneur, but it will help you to launch your business and win. Improve your marketing focus, tighten your strategic plan, attract appropriate financing, overcome risk, build your resource base and develop key contacts. Ultimately, you will leave with your business plan.

A firm business concept. One year minimum of business experience and/or one year working in a related industry. Basic computer skills (intermediate level spreadsheet and work processing course). If an inventor or manufacturer, must be at the prototype stage.

For information about admission and registration into this program, please contact Lynne Larsson at 604-412-7651.

Computing and Electronics (Hardware/Systems)

BUSINESS ANALYST PROFESSIONAL – SEE BUSINESS AND MEDIA

COMPUTER AND BUSINESS EQUIPMENT TECHNICIAN – DIPLOMA OF TECHNICAL STUDIES (1330)

Full-time – 40 weeks
Starts in late August

Covers modern electronic and microprocessor-controlled business equipment including fax machines, photocopiers, many types of printers, word and information processing systems, computer networks, desktop publishing systems, and other micro-processor-controlled office equipment. Careers: Install, maintain and repair business equipment.

High school graduation. English 12 or Communications 12, Academic Math 11 (C). Math 12 recommended. Graduation from a provincially approved Electronics Common Core program. BCIT pretest is acceptable for English only. Completion of a Math 12 competency exam through the Academic Studies Mathematics department also acceptable. Good physical condition.

Application Processing:
Ongoing, throughout the year.
Applications are wait listed (first-come, first-served).

COMPUTER SYSTEMS AND NETWORK FUNDAMENTALS – CERTIFICATE OF TECHNICAL STUDIES (1830)

Full-time – 40 weeks
Starts in September

Covers computer hardware, operating systems, networking and Internet technology. On completion of the program, students may continue into one of the following Diploma programs: Internet Systems Technician or Networking Systems Technician. Careers: Jobs exist in every sector of business that uses both PC hardware and software components as part of its entrepreneurial activities and/or day-to-day operations.

High school graduation. English 12 (C), Math 12 (C). Physics 11 is recommended. BCIT pretest is acceptable for English and Math. Completion of a Math 12 competency exam through the Academic Studies Mathematics department also acceptable.

Application Processing:
Ongoing, throughout the year.
Applications are wait listed (first-come, first-served).

ELECTRICAL AND COMPUTER ENGINEERING TECHNOLOGY – DIPLOMA OF TECHNOLOGY (548C)

Full-time – 2 years
Starts in September and February
Options in: Automation and Instrumentation, Computer Control Technology, Electrical Power and Industrial Control, Wireless Communications and Computer Networks

Learn to write software (for a personal computer, microcontroller and PIC) and design electronic circuitry to sense and control events. In the electronics industry, the combination of good programming and electronic circuit design skills is highly desirable, especially within the large number of companies involved in the design and development of control and data acquisition products. Careers: Work in design, development, production, technical sales and support, installation and maintenance, as well as electrical power and control system design in a variety of areas and industries.

High school graduation. English 12 (C) or better, Principles of Math 12 (C+) or Academic Math 12 (C+). Physics 11 (C+) or Physics 12 (P). Assessment testing for math and physics is available by referral from the Admissions department. Chemistry 11 (C) is desirable for Automation and Instrumentation. It is recommended that the entrance requirements be no more than 3 years old. Applicants with minimum entrance requirements achieved more than 5 years ago are required to upgrade in math and physics. Applicants who do not meet this requirement, but who have a post-secondary education in math, physics and English, will be evaluated on an individual basis.

Application Processing:
Oct. 1 until program fills.
Applications are considered for a specific intake.

*Specific program criteria must be fulfilled



Computing and Electronics (Hardware/Systems) *continued*

Program Info	Program and Career Description	Entrance Requirements	Application Details
ELECTRONICS – BACHELOR OF TECHNOLOGY (8900)			
<p>Part-time (students must complete within 7 years)</p> <p>Courses start in January, April, September</p>	<p>This engineering level program provides graduates with knowledge and skills to work with and design electrical, computer, automation and communication systems. Through the technical courses students develop a thorough understanding of relevant topics including wired and wireless communications systems, feedback control systems, computer networking, signal processing, modelling, and electromagnetism. Careers: Enhanced career advancement for working professionals.</p>	<p>English 12 or equivalent. A BCIT diploma in Electrical and Computer Engineering Technology, or a diploma from any nationally accredited program in a related engineering technology discipline, with a minimum course average of 65%. Alternatively, an equivalent level of education at the post-secondary level or registration (or qualifying to register) as an Applied Science Technologist with ASTTBC will be considered. A minimum of 6 months of relevant work experience prior to admission and a minimum of 2 years (which includes the six months mentioned earlier) prior to graduation. Interview with program head.</p>	<p>Application Processing: Ongoing, throughout the year.</p>
ELECTRONICS TECHNICIAN COMMON CORE – CERTIFICATE OF TECHNICAL STUDIES (1800)			
<p>Full-time – 30 weeks</p> <p>Part-time – 43 weeks per year for 2 years</p> <p>Distance Education – 3 years</p> <p>Multiple start dates each year.</p>	<p>Provides the skills to install, maintain and repair electronic circuits and equipment. Through experiments, students will learn the correct use of tools, test equipment, troubleshooting procedures and soldering techniques. Careers: Graduates may progress into one of the specialty technician programs at BCIT (AME Category E, Computer and Business Equipment, Industrial Instrumentation, Telecommunications, Wireless Communications), transfer to another college that offers specialty options, or enter the electronics industry at an entry-level position such as installer, assembler, or quality control technician.</p>	<p>High school graduation. English 12 or Communications 12, Academic Math 11 (C), Math 12 recommended. BCIT pretest is acceptable for English only. Completion of a Math 12 competency exam through the Academic Studies Mathematics department also acceptable. Good hand/eye coordination and good colour vision.</p>	<p>Application Processing: Ongoing, throughout the year. Applications are wait listed (first-come, first-served).</p>
INDUSTRIAL INSTRUMENTATION SERVICE TECHNICIAN – DIPLOMA OF TECHNICAL STUDIES (2970)			
<p>Full-time – 40 weeks</p> <p>Starts in January</p>	<p>Industrial instrumentation service technicians apply, install, repair, calibrate and tune those measurement and control instruments that are applied to industrial manufacturing processes. Students will learn computerized control, programmable logic controllers, and microprocessor instrumentation. Careers: Work in a variety of manufacturing processes such as food processing, manufacturing, oil refining, mining, and pulp and paper production.</p>	<p>High school graduation. English 12 or Communications 12, Academic Math 11 (C). Math 12 recommended. Completion of a Math 12 competency exam through the Academic Studies Mathematics department also acceptable. BCIT pretest is acceptable for English only. Graduation from a provincially approved. Electronics Common Core program, or Certificate of Qualification with IP seal (journeyperson) in the trades of Electrical or Industrial Instrumentation Mechanic; or BCIT ONLY Certificate of Electricity and Industrial Electronics. Successful completion of a departmental exam on basic electrical/electronics.</p>	<p>Application Processing: Ongoing, throughout the year. Applications are wait listed (first-come, first-served).</p>
INDUSTRIAL INSTRUMENTATION – APPRENTICESHIP TRAINING – DIPLOMA OF TRADES TRAINING* (3750)			
<p>Full-time – 5 levels of 8 weeks each</p>	<p>Industrial instrumentation mechanics install, repair, maintain, replace, calibrate and program all process monitoring and/or control instruments, including indicators, recording devices, control loops and computers. These instruments may be pneumatic, hydraulic, electronic, electrical, mechanical, nuclear, optical or chemical, and include signal transmission, telemetering and digital devices in industrial operations.</p>	<p>Recommended for success: High school graduation. English 12 or Communications 12, Academic Math 11(C), Physics 11, Chemistry 11. Math 12 recommended. Good physical condition.</p>	<p>Register through BCIT Apprentice Services: Tel. 604-456-8100 Toll-free 1-800-667-0676 E-mail: apprentice@bcit.ca</p>
INFORMATION TECHNOLOGY MANAGEMENT – SEE BUSINESS AND MEDIA			
INTERNET SYSTEMS TECHNICIAN – DIPLOMA OF TECHNICAL STUDIES (2770)			
<p>Full-time – 40 weeks</p> <p>Starts in September</p>	<p>This program emphasizes the knowledge and skills required for the maintenance of an organization's Internet infrastructure. It also prepares students for careers in managing and administering network servers across the Unix and Microsoft platforms. Careers: Internet technician; Systems/network administration technician; Unix system administration; Web server administration.</p>	<p>High school graduation. English 12 (C), Math 12 (C). Physics 11 is recommended. Satisfactory completion of BCIT Computer Systems and Network Fundamentals or equivalent. BCIT pretest is acceptable for English and Math. Completion of a Math 12 competency exam through the Academic Studies Mathematics department also acceptable.</p>	<p>Application Processing: Ongoing, throughout the year. Applications are wait listed (first-come, first-served).</p>
NETWORKING SYSTEMS TECHNICIAN – DIPLOMA OF TECHNICAL STUDIES (1840)			
<p>Full-time – 40 weeks</p> <p>Starts in September</p>	<p>Covers both theory and practice, with emphasis on network setup, configuration, management and troubleshooting. Training also covers industry standard routers, such as Nortel and Cisco. The MS Windows and Unix network environments are covered. Careers: network installation and maintenance; network administration; Network security; the Internet and e-business (electronic business); corporate local area networks and intranets.</p>	<p>High school graduation. English 12 (C), Math 12 (C). Physics 11 is recommended. Satisfactory completion of the BCIT Computer Systems and Network Fundamentals program or equivalent. BCIT pretest is acceptable for English and Math. Completion of a Math 12 competency exam through the Academic Studies Mathematics department also acceptable.</p>	<p>Application Processing: Ongoing, throughout the year. Applications are wait listed (first-come, first-served).</p>

TECHNOLOGY INFRASTRUCTURE MANAGEMENT – ADVANCED DIPLOMA (9820)

Full-time – 1 year

This program prepares individuals to plan and manage the technology infrastructure of an enterprise. Knowledge and skill development in business operations, communication, leadership, network management, emphasizing project management, and security of the complete technology infrastructure. Careers: Network administrator, infrastructure/security/help desk analyst, network/support/technical specialist, project manager or systems manager in a variety of industries, including business, finance, government, health, information technology, telecommunications, and service.

English 12 (C+ or better) or equivalent. An undergraduate degree or diploma from a recognized university, institute or college. Basic skills in word processing and the use of a spreadsheet. An interest in information technology and its relationship to business. A selection interview with a faculty member from the department.

Application packages and information can be obtained from the High-Tech Professional Programs office.

Call 604-412-7788, e-mail info@htp.bcit.ca or visit www.htp.bcit.ca.

TECHNOLOGY SUPPORT PROFESSIONAL – BCIT/INDUSTRY PARTNERSHIP (6985)

Full-time – 40 weeks

Multiple start dates each year

This program focuses on network design, administration and troubleshooting; it combines technical and professional courses with hands-on learning. Careers: User support specialist, help desk support, user support analyst and technical support analyst in the business, finance, government, health, information technology, telecommunications, and service industries.

High school graduation. English 12 (C+). Aptitude for working with computers in a MS Windows environment. Completion of a written pre-entry exam on computer knowledge (grade of 75% or better). Selection interview with a faculty and/or staff member.

Application packages and information can be obtained from the High-Tech Professional Programs office.

Call 604-412-7788, e-mail info@htp.bcit.ca or visit www.htp.bcit.ca.

TELECOMMUNICATIONS TECHNICIAN – DIPLOMA OF TECHNICAL STUDIES (2750)

Full-time – 40 weeks

Starts in September and January

This program focuses on the installation, maintenance and repair of telecommunications equipment. Careers: Work with telephone companies, telecommunications equipment manufacturers, utility companies, and in cable and satellite entertainment and communications, data communications, fibre optic, and wireless communications industries, and government departments.

High school graduation. English 12 or Communications 12, Academic Math 11(C). Math 12 recommended. Graduation from a provincially approved Electronics Common Core technician program. BCIT pretest is acceptable for English only. Completion of a Math 12 competency exam through the Academic Studies Mathematics department also acceptable.

Application Processing: Ongoing, throughout the year. Applications are wait listed (first-come, first-served).

ROBOTICS AND AUTOMATION – SEE ENGINEERING TECHNOLOGY

WIRELESS COMMUNICATIONS TECHNICIAN – DIPLOMA OF TECHNICAL STUDIES (2780)

Full-time – 40 weeks

Starts in August

Various wireless radio applications, including cellular systems, two-way trunked mobile radio systems, marine/aviation radios, and wireless LANs are covered in depth. Additional applications such as basic video, fibre optics, radar, and navigational systems are also explored. Careers: Avionics bench repair technician; air traffic control systems maintenance and repair technician; airport ground control systems technician; marine bench technician; onboard installation and repair technician; communications installation and repair technician; data transfer installation and repair technician; tracking/navigation installation and repair technician.

High school graduation. English 12 or Communications 12, Academic Math 11 (C). Math 12 recommended. Graduation from a Provincially approved Electronics Common Core technician program. BCIT pretest acceptable for English only. Completion of a Math 12 competency exam through the Academic Studies Mathematics department also acceptable.

Application Processing: Ongoing, throughout the year. Applications are wait listed (first-come, first-served).

Computing and Electronics (Internet / Web)

NEW MEDIA DESIGN CD-ROM & WEB DEVELOPMENT – SENIOR MANAGEMENT CERTIFICATE (6410)

Full-time or part-time - 52 weeks

This hands-on program offers the basics of CD-ROM and Web development. It covers the basics of design and colour theory, communicating for multimedia, and program management for new media. Software packages include Photoshop, Illustrator, Direct, After Effects, and more. Participants will produce an interactive CD-ROM and three Web sites for portfolio use.

Information Session attendance. Entrance exam. High school graduation. Interview.

Application packages and information can be obtained during the required information session. See www.bcit.ca/infosessions for a current schedule.

PROFESSIONAL WEB DEVELOPER – BCIT/INDUSTRY PARTNERSHIP (6988)

Full-time - 1 year

Multiple start dates each year

A hands-on, interactive program emphasizing "learning by doing" and focusing on technical training such as programming, Web site development, business applications and business development skills. Careers: Web developer, application developer, business/systems analyst, consultant, project manager, database developer, trainer and technical sales personnel in business, finance, government, health, information technology, telecommunications and service.

English 12 (C+). Undergraduate degree or diploma from a recognized college, institute or university. Selection interview with a faculty and/or staff member.

Application packages and information can be obtained from the High-Tech Professional Programs office.

Call 604-412-7788, e-mail info@htp.bcit.ca or visit www.htp.bcit.ca.

*Specific program criteria must be fulfilled



Computing and Electronics (Software / Programming)

Program Info

Program and Career Description

Entrance Requirements

Application Details

BUSINESS ANALYST PROFESSIONAL – SEE BUSINESS AND MEDIA

COMPUTER SYSTEMS TECHNOLOGY – BACHELOR OF TECHNOLOGY (8200)

Full-time – 15 months
Part-time (students must complete within 7 years)
Courses start in January, April, September

A career-enhancement degree designed to increase the depth of knowledge and practical skills of computer system technologists, and to help them widen their career opportunities or advance in their career paths.

English 12 (C+) or equivalent. BCIT Computer Systems Diploma of Technology or equivalent **. Six months of professional work experience (2 years of approved work experience is required before graduation). **Equivalence will be determined based on assessment of the student's academic background by the assistant program head or program head.

Application Processing:
Ongoing, throughout the year.

COMPUTER SYSTEMS TECHNOLOGY – DIPLOMA OF TECHNOLOGY (550A)

Full-time – 2 years
Starts in September
Options in: Client Server, Database Management, Data Communications & Internetworking, Digital Processing, Embedded Systems, Information Systems, Multimedia Software Development, Systems Integration, Technical Programming

Prepares graduates for entry-level computing positions in all sectors of industry including (but not limited to) business, engineering, manufacturing, health and education. Graduates gain knowledge, skills and experience in programming, systems analysis and business succeed in their careers and to become future managers, entrepreneurs and leaders in the computing field. Careers: Many graduates pursue careers as programmers and after some experience are promoted to systems analysts, knowledge engineers, programmer/analysts or operating systems programmers. Opportunities also exist in management, software and hardware sales, technical writing, training, and technical support.

High school graduation. English 12 (C+), Principles of Math 12 (C+) or Applications of Math 12 (C+) or Academic Math 12 (C+). Resume. Letter of intent. Applicants may be required to demonstrate programming skills or aptitudes before acceptance into the program.

Application Processing:
Oct. 1 until program fills.
Applications are considered for a specific intake.
In the event this program is oversubscribed, only applicants considered to have the best chance of success in the program will be granted offers of admission.

DIGITAL ANIMATION – SEE BUSINESS AND MEDIA

INFORMATION TECHNOLOGY MANAGEMENT – SEE BUSINESS AND MEDIA

OFFICE ADMINISTRATOR WITH TECHNOLOGY – BCIT / INDUSTRY PARTNERSHIP (6989)

Full-time – 3 months
Part-time – 12 months

This program focuses on desktop applications such as MS Office, MS Project, and desktop publishing; Web site development and maintenance; and business courses, such as finances, accounting software, business communication, and customer service. Careers: Graduates will have the advanced computer and business skills required for administrative positions.

High school graduation or equivalent. English 12 (C+ or better) or equivalent. Aptitude for working with computers in a MS Windows environment. Familiarity with basic keyboarding skills recommended. Successful completion of selection interview process with the program coordinator.

Application packages and information can be obtained from the High-Tech Professional Programs office:
Call 604-412-7788
e-mail info@htp.bcit.ca
www.htp.bcit.ca

SOFTWARE SYSTEMS DEVELOPMENT – CERTIFICATE OF TECHNOLOGY (6997)

Full-time – 30 weeks
Multiple start dates each year

Students learn techniques in software development, are exposed to several industrial strength programming languages, and apply systems development concepts to a number of application areas such as data communication and databases. Careers: Software developer, database developer, systems developer, object-oriented developer, Web developer, programmer/analyst and quality assurance in a variety of industries including business, finance, government, health, information technology, telecommunications and service.

High school graduation. English 12 (C+). Completion of minimum of 1 year of post-secondary education. Working knowledge of DOS/Windows environments. Completion of a written pre-entry exam on logical and reasoning skills (grade of 70% or better). Selection interview with a faculty and/or staff member.

Application packages and information can be obtained from the High-Tech Professional Programs office.
Call 604-412-7788,
e-mail info@htp.bcit.ca or
visit www.htp.bcit.ca.

Engineering Technology

ARCHITECTURAL AND BUILDING ENGINEERING TECHNOLOGY – DIPLOMA OF TECHNOLOGY (591C)

Full-time – 2 years

Starts in September

Options in: Architectural,
Building Science, Economics
Construction

Prepares graduates to work in building design and construction to rigorous standards of workmanship and safety while simultaneously incorporating all the features that contribute to speed of formation, financial efficiency and user satisfaction. Careers: Senior production personnel, job captains, specification writers, estimators, project coordinators and managers, building inspectors, quantity surveyors, developers, appraisers and assessors, technologists with builders/developers, technical representatives and sales staff for building suppliers and equipment manufacturers.

High school graduation. English 12 (C), Principles of Math 12 (C) or Applications of Math 12 (C+), Physics 11 (C). Resume. Handwritten letter of intent. Entrance Requirements must have been completed within the past five years. Preference will be given to applicants who have: a grade B or better in the entrance requirements, post-secondary academic experience and/or construction industry experience.

Application Processing:
Oct. 1 until program fills.
Applications are considered
for a specific intake.

BIOMEDICAL ENGINEERING TECHNOLOGY – DIPLOMA OF TECHNOLOGY (5050)

Full-time – 2 years

Starts in September

This program provides practical hands-on understanding of the fundamental principles, operations and design of medical diagnostic and therapeutic devices (heart monitors, cardiac defibrillators, clinical laboratory analysers and x-ray equipment). Careers: Responsibilities include scheduled and corrective maintenance and safety inspection of medical equipment, participate in research and development, purchase specification, equipment evaluation, testing and commissioning, operator training, and the management of risks involving the use of biomedical equipment.

High school graduation. English 12 (C+ or better), Principles of Math 12 (B) or Academic Math 12 (B), Physics 11 (B or better), Chemistry 11 (B or better). Possible interview. Attendance at an information session organized by the program and completion of an immunization form prior to final acceptance. Satisfactory health. Computer literacy strongly recommended. Entrance requirements must have been completed within the past 5 years.

Application Processing:
Oct. 1 until program fills.
Applications are considered
for a specific intake.
Due to the limited number of
seats and the large number of
applicants, the program accepts
only the most suitable applicants

CAD PROGRAMMING (POST-DIPLOMA) – DIPLOMA OF TECHNOLOGY (5450)

Full-time – 1 year

Starts in September

The program develops skills to allow engineers and technologists to take full advantage of CAD technology through customization and application development. Careers: Work in diverse areas of engineering including drafting/designing, CAD system management, software development and system automation.

English 12 or equivalent. A national Diploma of Technology (or equivalent) in a relevant engineering discipline (mechanical, civil, structural, building, mining, geology, electronics, etc.) or an engineering degree. Computer literacy. Enjoy working with computers and learning new software.

Application Processing:
Oct. 1 until program fills.
Applications are considered
for a specific intake.

CIVIL AND STRUCTURAL ENGINEERING TECHNOLOGY – DIPLOMA OF TECHNOLOGY (540C)

Full-time – 2 years

Starts in September

Options in: Construction,
Geotechnical Highways,
Structures, Water Resources

Civil and structural engineering technologists are involved in the design and construction of municipal works, residential development, industrial and commercial buildings, highways, bridges, railways, dams, power developments, canals, docks, harbours, and environmental protection and remediation works. Careers: Consulting design technologist, municipal plan checker, construction inspector and supervisor, detailers, technical sales representative, material testing technician, survey assistant and CADD operator.

High school graduation. English 12 (C), Principles of Math 12 (C) or Applications of Math 12 (B), Physics 11 (C). Entrance requirements must have been completed within the past 5 years, or upgrading may be required.

Application Processing:
Oct. 1 until program fills.
Applications are considered
for a specific intake.

CONSTRUCTION MANAGEMENT – BACHELOR OF TECHNOLOGY (8800)

Part-time (students must
complete within 6 years)

Intensive – 12 months

Courses start in January,
April, September

Provides students with structures management and leadership techniques for broader management decisions as well as on-site leadership in construction operations. Careers: Graduates are prepared for construction management positions. Most career opportunities may be directly involved with construction companies, or in development and consulting areas.

There are 3 different ways in which you can be accepted into the program. Please see www.bcit.ca for information on these options. In general, only one will apply to you. For all options, English 12 (C) or equivalent and an interview with the program head for approval of work experience is required.

Application Processing:
Ongoing, throughout the year.

ENVIRONMENTAL ENGINEERING TECHNOLOGY – BACHELOR OF TECHNOLOGY (8000)

Part-time (students must
complete within 6 years)

Intensive – 12 months

Courses start in January,
April, September

Provides engineering and science graduates with additional skills and knowledge to work on environmental assignments such as site remediation, site audits, waste treatment facilities, wastewater management, hydrogeology, residuals management, solid waste management, industrial air pollution, and recycling projects. Careers: Graduates are prepared to function as a members of multi-disciplinary teams addressing the environmental challenges faced by industry.

English 12 or equivalent. A recognized Diploma of Technology in an engineering or science discipline or a related degree in engineering or science. Two years of relevant work experience, subject to departmental approval. Recommended: computer literacy and access to a PC with Internet access.

Application Processing:
Ongoing, throughout the year.

GEOMATICS ENGINEERING TECHNOLOGY – SEE APPLIED AND NATURAL SCIENCES

GEOMATICS, BACHELOR OF TECHNOLOGY – SEE APPLIED AND NATURAL SCIENCES

*Specific program criteria must be fulfilled



Engineering Technology *continued*

Program Info	Program and Career Description	Entrance Requirements	Application Details
MANUFACTURING – BACHELOR OF TECHNOLOGY (8600)			
<p>Part-time – 3–5 years (students must complete within 6 years)</p> <p>Courses start in January, April, September</p>	<p>A career-enhancement degree program to provide graduate engineers and technologists with the skills and knowledge for the use of advanced technology in manufacturing.</p>	<p>English 12 or equivalent. Diploma in a manufacturing-related technology such as Plastics Engineering, Robotics and Automation or Mechanical Engineering Technology or the equivalent level of formal training/education at the post-secondary level. At least 6 months of appropriate work experience. Interview.</p>	<p>Application Processing: Ongoing, throughout the year.</p>
MECHANICAL ENGINEERING TECHNOLOGY – DIPLOMA OF TECHNOLOGY (635C)			
<p>Full-time – 2 years Starts in September.</p> <p>Options in: Design/Computing, Mechanical Design, Mechanical Manufacturing, Mechanical Systems</p>	<p>This program provides training in engineering design, computer applications, computer aided design (CAD), manufacturing processes, communications, materials science and applied mathematics, in addition to selected specialty courses. Careers: Work in broad range of industries and roles, including design, application engineering, technical sales, manufacturing, plant engineering, construction and inspection.</p>	<p>High school graduation. English 12, Principles of Math 12 (P) or Academic Math 12 (P) or Applications of Math 12 (C+), Physics 11. Minimum grade of C preferred. Completion of related Technology Education courses a definite asset.</p>	<p>Application Processing: Oct. 1 until program fills. Applications are considered for a specific intake.</p>
PLASTICS ENGINEERING TECHNOLOGY – DIPLOMA OF TECHNOLOGY (7920)			
<p>Full-time – 2 years Starts in September</p>	<p>This program provides a solid background in the selection and application of plastic materials, the unique plastics processing technologies as well as the design and development of new products. Receive practical hands-on training in a modern lab and manufacturing facility utilizing the latest in production scale equipment. Careers: Work in manufacturing, product and process research and development, technical sales and marketing, product and mould design, inspection and quality control.</p>	<p>High school graduation. English 12, Principles of Math 12 (P) or Academic Math 12 (P) or Applications of Math 12 (C+), Physics 11 or Chemistry 11. Completion of both Physics and Chemistry is recommended. Good communication and teamwork skills.</p>	<p>Application Processing: Oct. 1 until program fills. Applications are considered for a specific intake.</p>
POWER AND PROCESS ENGINEERING – DIPLOMA OF TECHNICAL STUDIES (2350)			
<p>Full-time – 40 weeks Starts in August</p>	<p>This program provides practical and technical knowledge and skills to persons desiring advancement to the highest levels in the field of power engineering. Careers: Work as a Third Class Power Engineer and be qualified for positions of considerable responsibility as plant operators, plant maintenance technicians, sales engineers, and design technicians.</p>	<p>English 12 or Communications 12, a valid Fourth Class Power Engineering Certificate. Recent (within 2 years), successful completion of either the BCIT Power Engineering (Technical Program) program or the first year of a university engineering program, or applicants who do not possess the above prerequisites but believe they have sufficient background to succeed in the program may request an individual assessment by the Power Engineering department. Good physical condition.</p>	<p>Application Processing: Ongoing, throughout the year. Applications are wait listed (first-come, first-served).</p>
POWER ENGINEERING (GENERAL) – CERTIFICATE OF TRADES TRAINING (2410)			
<p>Full-time – 40 weeks Starts in August</p>	<p>Power engineers operate, maintain and manage industrial power and process plants. These plants are associated with various industries such as pulp and paper, chemical manufacturing, food processing, electrical generation, petroleum refining, institutional mechanical systems, and others. Careers: Work in hospitals, chemical plants, oil refineries, breweries, pulp and paper plants, sawmills, schools and institutions as Fourth Class Power Engineer plant operators and maintenance technicians.</p>	<p>High school graduation. English 12 or Communications 12, any Math course at the Grade 11 level (Accounting 11 is not acceptable for Math). BCIT pretest is acceptable for English and Math. Good physical condition.</p>	<p>Application Processing: Ongoing, throughout the year. Applications are wait listed (first-come, first-served).</p>
POWER ENGINEERING (TECHNICAL) – CERTIFICATE OF TECHNICAL STUDIES (2400)			
<p>Full-time – 40 weeks Starts in August</p>	<p>Power engineers operate, maintain and manage industrial power and process plants. These plants are associated with various industries such as pulp and paper, chemical manufacturing, food processing, electrical generation, petroleum refining, institutional mechanical systems and others. Careers: Work in hospitals, chemical plants, oil refineries, breweries, pulp and paper plants, sawmills, schools and institutions.</p>	<p>High school graduation. English 12 or Communications 12, Academic Math 12, Physics 11. BCIT pretest is acceptable for English, Math and Physics. Good physical condition.</p>	<p>Application Processing: Ongoing, throughout the year. Applications are wait listed (first-come, first-served).</p>
ROBOTICS AND AUTOMATION – DIPLOMA OF TECHNOLOGY (7350)			
<p>Full-time – 2 years Starts in September</p>	<p>Provides the student with knowledge of the applications of flexible automation equipment, the various mechanical systems used and the electronics incorporated for their control. Careers: Work as a technologist writing specifications, planning for purchasing new equipment, designing, constructing and implementing control systems, and troubleshooting and maintaining automation systems.</p>	<p>High school graduation. English 12, Principles of Math 12 (C+) or Academic Math 12 (C+), Physics 11 (C+) or Physics 12 (C). Preference may be given to those candidates who have completed the entrance requirements within the last 5 years.</p>	<p>Application Processing: Oct. 1 until program fills. Applications are considered for a specific intake.</p>



Health Sciences

BIOMEDICAL ENGINEERING TECHNOLOGY – SEE ENGINEERING TECHNOLOGY

BIOTECHNOLOGY, BACHELOR OF SCIENCE – SEE APPLIED AND NATURAL SCIENCES

CARDIOLOGY – DIPLOMA OF TECHNOLOGY (530A)

Distance Education
Full-time or Part-time

This program produces trained technologists skilled in a variety of non-invasive diagnostic cardiology procedures. Careers: Graduates will be involved in the performance of vital cardiac testing utilizing a wide range of sophisticated medical equipment essential for providing the cardiologist with valuable diagnostic information.

High school graduation, English 12 (C+), Biology 12 (C+), Chemistry 11 (C+), Math 12 or Applied Math 12 (C+), Physics 11 or Applied Physics 12 (C+). Basic computer keyboarding skills. It is recommended that entrance requirements be completed within the last 5 years. Individuals whose prerequisites exceed 5 years will be assessed on an individual basis. Letter of intent. Resume including two personal references. Work or volunteer experience is highly recommended. Visit to a cardiology department. Proof of Canadian Society of Cardiology Technologists (CSCT) membership. Proof of current CPR "C" certification.

After you have completed the first five Level 1 theory courses, complete a Program Approval form to declare entrance into the diploma program prior to the clinical practicum.

CLINICAL GENETICS TECHNOLOGY (POST-DIPLOMA) – DIPLOMA OF TECHNOLOGY (5970)

Full-time – 13.5 months
Starts in September

Involves the analysis of the human genome by three distinct technologies: first, chromosome analysis through the use of banded metaphase chromosomes; second, fluorescence in situ hybridization (FISH) on interphase/metaphase chromosomes; and third, molecular genetic techniques involving DNA itself. Careers: The certified clinical genetics technologist may work in cytogenetic and molecular diagnostic laboratories in larger hospitals throughout Canada. Private industry and research laboratories also provide opportunities.

English 12 (B). BSc in Cell Biology. Preference given to applicants who have, as part of their BSc, courses in genetics (preferably human genetics or cytogenetics), molecular biology or molecular genetics and biochemistry. Letter of intent. Resume. Include an e-mail address (if you have one).

Application Processing:
Oct. 1 to March 1.
Applications are considered for a specific intake.

DIAGNOSTIC MEDICAL SONOGRAPHY (POST-DIPLOMA) – DIPLOMA OF TECHNOLOGY (5650)

Full-time – 12 months
Starts in September

Diagnostic Medical Sonography (ultrasound) is a rapidly expanding medical technique. A probe (transducer) that is moved over the body to obtain images of various body structures emits high frequency sound waves. This technique provides valuable diagnostic information about the underlying anatomy and pathology that may be present. Careers: Work in hospitals, clinics, commercial areas and research. Most graduates work on a casual basis initially, moving into full-time employment.

English 12 with a B or better. All ESL applicants must undergo a verbal assessment (TSE 50+ or equivalent) in addition to other testing in reading, writing and grammar. Diploma of Technology in a minimum 2 year allied health program such as Radiography, Nuclear Medicine or Registered Nursing or a BSc in an appropriate health related field, and with an emphasis on human anatomy and physiology. Resume.

Application Processing:
Oct. 1 to beginning of May.
Applications are considered for a specific intake.

ELECTRONEUROPHYSIOLOGY TECHNOLOGY – DIPLOMA OF TECHNOLOGY (5750)

Full-time - 2 years
Starts in September of alternate years – next intake 2004

Modern hospitals and health-care clinics require the services of trained technologists to operate sophisticated electroneuro-diagnostic (END) testing equipment and other related biomedical equipment. Careers: Graduates find employment in hospitals or private clinics in the following fields: electroencephalography (electrical activity of the brain), electromyography (electrical activity of the neuro-muscular system), evoked potentials (electrical activity generated by stimulation of the sensory systems) and polysomnography (electrical activity of the body during sleep).

High school graduation, English 12 (C+), Principles of Math 12 (C+) or Academic Math 12 (C+) or Applications of Math 12 (B), Physics 11 (C+), Chemistry 11 (C+), Biology 12 (C+), Cardio-Pulmonary Resuscitation (CPR). Interview. Medical form. Student acknowledgement of program requirements.

Application Processing:
Oct. 1 until program fills.
Applications are considered for a specific intake.

ENVIRONMENTAL HEALTH (PUBLIC HEALTH INSPECTOR TRAINING) – BACHELOR OF TECHNOLOGY (8500)

Full-time – 4 years
Full-time – 2 years (direct entry)
Starts in September

Prevent disease, promote health and improve the environment using education, consultation, inspection and monitoring techniques and, if necessary, by the enforcement of health legislation. Careers: Work in municipal, regional, First Nations, provincial and national health agencies, environmental and pollution control agencies, bylaw enforcement and health education as well as private consulting firms and industries such as food processing, catering and fisheries.

High school graduation, English 12, Principles of Math 12 (C+ preferred) or Academic Math 12 (C+ preferred) or Applications of Math 12 (B preferred), Chemistry 12, Physics 11, Biology 11. BCIT gives preference to applicants who have completed the entrance requirements within 5 years of applying and have achieved a C+ standing in the prerequisites. Preference may also be given to applicants who have successfully completed Biology 12 and/or achieved a B in English 12 or its equivalent. Recommended: resume, letter of intent and 3 letters of reference.

For more information on direct entry requirements, please see the Program Finder at <http://programs.bcit.ca>

Application Processing:
Oct. 1 until program fills. (applicants are encouraged to apply by April 30)
Applications are considered for a specific intake.

*Specific program criteria must be fulfilled



Health Sciences *continued*

Program Info	Program and Career Description	Entrance Requirements	Application Details
MANAGEMENT (HEALTH SPECIALTY) – BACHELOR OF TECHNOLOGY (8750)			
Distance Education (students must complete within 7 years)	Designed for career-oriented adults who are working either as supervisors or managers in a traditionally structured organization, or as team leaders/participants in a team-based organization, and who want to: develop and enhance their generic management knowledge and skills; improve their on-the-job performance; and, continue to work full-time while completing a management degree.	English 12 or equivalent. Diploma or equivalent. Resume. 2 years current full-time employment in a management or supervisory position. Computer literacy. Letter of intent. Letter of support from the applicant's employer and that also identifies a workplace advisor for the applicant. Two letters of support from colleagues, clients or customers commenting on the applicant's ability to complete the degree. Interview with the program head. For information on an alternate entry model see http://programs.bcit.ca .	Application Processing: Ongoing, throughout the year.
MEDICAL IMAGING – BACHELOR OF TECHNOLOGY (8300)			
Distance Education (students must complete within 6 years)	New developments in medical radiography, nuclear medicine and diagnostic sonography have dramatically increased the knowledge needed to function in modern imaging departments. This program addresses the need for advanced education and skills. Careers: Students in the program are registered medical imaging technologists who possess a diploma of technology or equivalent and are currently working in the field.	English 12 or equivalent. BCIT Diploma in Medical Radiography, or equivalent. A minimum of 6 months of relevant work experience prior to admission, and a minimum of 2 years of relevant work experience (which includes the 6 months noted earlier) prior to graduation.	Application Processing: Ongoing, throughout the year.
MEDICAL LABORATORY SCIENCE – DIPLOMA OF TECHNOLOGY (6580)			
Full-time – 2.5 years Starts in September	The medical laboratory technologist, as a member of the health-care team, performs laboratory investigations related to the diagnosis, treatment and prevention of disease, including analysing specimens such as blood, urine, feces, sputum and tissues. Careers: Work primarily in hospital or private clinical laboratories. Most laboratory services are required on a 24-hour basis. As a result, the majority of medical laboratory technology positions in laboratories include some shift work (weekends, afternoons, and/or nights).	High school graduation with: English 12 (B), Biology 12 (C+), Chemistry 12 (C+), Math 12 (C+), and Physics 11 (C+). Prerequisites should have been completed during the past five years. If longer than five years has elapsed, we may require individual assessment. Applicants who have qualifications above the Grade 12 requirement are also eligible. Competence in written and oral English. Meticulous work habits, good manual dexterity. Strong problem-solving, interpersonal skills and teamwork skills. Excellent physical condition. Clear skin. Ability to clearly differentiate colours. Proof of employment in any field with letter of reference or proof of volunteer experience preferably health care related (min. 30-hours) with letter of reference. Letter of intent. Computer literacy. Applicants must tour a medical laboratory, and complete a questionnaire regarding the tour. Possible interview. Basic First Aid certificate, which includes CPR level C. Medical form. Current immunizations. Criminal record search upon admission to the program, at the student's expense.	Application Processing: Oct. 1 until program fills. Applications are considered for a specific intake.
MEDICAL LABORATORY SCIENCE – PROFESSIONAL QUALIFYING PROGRAM – CERTIFICATE OF TECHNOLOGY (6565)			
Full-time – 1 year Starts in January	This is a refresher for internationally-trained medical laboratory technologists, or Canadian-trained medical laboratory technologists who have been out of the workforce for a lengthy period. Careers: Work primarily in hospital or private clinical laboratories. Most laboratory services are required on a 24-hour basis. As a result, the majority of medical laboratory technology positions in laboratories include some shift work (weekends, afternoons, and/or nights).	English 12 (P) or equivalent. Canadian Trained Technologists – A Registered Technologist (CSMLS) Medical Laboratory Science. Foreign Trained Technologists – preference given to applicants who have been assessed by the Canadian Society of Medical Laboratory Science (CSMLS) and are eligible to challenge the national certification examination. Evidence of employment as a Medical Laboratory Technologist and a satisfactory letter of reference. Competence in written and oral English. Meticulous work habits, good manual dexterity. Strong problem-solving, interpersonal and teamwork skills. Letter of intent. Computer literacy. Possible interview. Completed health form. Current immunizations. Criminal record search upon admission to the program, at the student's expense.	Application Processing: June 1 until program fills. Applications are considered for a specific intake.
MEDICAL RADIOGRAPHY TECHNOLOGY – DIPLOMA OF TECHNOLOGY (6550)			
Full-time – 2.5 years Starts in January	The medical radiographer uses radiographs to aid in making medical diagnoses. A radiograph (x-ray) may be a routine film of the chest or a broken finger or it may form part of the sophisticated examinations used in the detection of heart, blood vessel or brain abnormalities. Careers: Currently, graduates find employment in casual positions (part-time to full-time hours) with one or more employers which includes hospitals and private clinics.	High school graduation. English 12 (B) or 6 credits of first year English from UBC, Principles of Math 12 (B) or Academic Math 12 (B) or Applications of Math 12 (B), Physics 11 (B), Physics 12 (B), Biology 12 (B). Entrance requirements must have been completed during the past 5 years. Competent in written and oral English. Computer literacy. Minimum 40 hours of volunteer work in a hospital environment. Basic Life Support (Level C). Medical form. Current immunizations. Interview. 2-day hospital orientation.	Application Processing: Jan. 1 until program fills. Applications are considered for a specific intake.

NUCLEAR MEDICINE TECHNOLOGY – DIPLOMA OF TECHNOLOGY (6700)

Full-time - 2 years
Starts in September

Nuclear medicine is the application of radioactive materials to the diagnosis and management of disease in humans. Careers: Work primarily in the nuclear medicine departments of hospitals. In addition to performing a variety of tests on patients, the technologist may also perform lab tests on patient samples, prepare radiopharmaceuticals for injection into patients, record test results, receive, handle, record, store and measure radioactive materials and perform quality control procedures on a variety of instrumentation and imaging devices.

NURSING – BACHELOR OF TECHNOLOGY (8850)

Full-time - 3.5 years
Starts in mid-August and January

This degree program is approved by the Registered Nursing Association of British Columbia. Registered Nurses (RNs) work with other health-care professionals in hospitals and community health settings to help people manage their health. The Nursing Program focuses on acute care in hospitals and the community. Careers: Hospitals and community health settings employ Registered Nurses (RNs). Successful completion of the Nursing program provides graduates with the knowledge, skills and attitudes necessary to work in a variety of health-care settings.

OCCUPATIONAL HEALTH AND SAFETY – DIPLOMA OF TECHNOLOGY (6850)

Full-time - 2 years
Starts in September

Gain the knowledge and leadership to develop programs in industry that will assist in conserving life, health, and property; improve productivity by implementing loss control programs in consultation with company and labour officials; identify health and safety hazards in the workplace and advise corrective action. Careers: Work in industry, government, and regulatory agencies where the health and safety of workers is of concern. Many graduates also work as consultants.

PROSTHETICS AND ORTHOTICS – DIPLOMA OF TECHNOLOGY (7100)

Full-time - 2 years
Starts in September of even numbered years

Prosthetists and orthotists help people who have become disabled, or who were born with physical defects, by fitting them with artificial limbs or supports. The prosthetist designs, constructs and fits artificial limbs, while the orthotist designs, constructs and fits orthopedic braces and supports. Careers: Prosthetists and orthotists work in rehabilitation hospitals and in private practice.

RADIATION THERAPY TECHNOLOGY – ADVANCED DIPLOMA (9260)

Full-time - 2.5 years
Starts in January

The treatment of cancer involves three main modalities: surgery, chemotherapy (drugs) and radiation therapy. Radiation therapy may be used alone or in conjunction with surgery and chemotherapy, often curing the patient or offering increased quality of life. The Radiation Therapist (RT) is a health-care professional responsible for delivering a therapeutic dose of ionizing radiation in the treatment of malignant disease. Careers: Currently there is a national shortage of radiation therapists. Many provinces plan to expand the number of cancer treatment units or facilities, so demand will remain high in the future. In BC, there are 4 radiation therapy departments located in Vancouver, Surrey, Kelowna, and Victoria.

SPECIALTY NURSING – BACHELOR OF TECHNOLOGY (810F)

Distance Education
Programs in: Critical Care, Emergency, Neonatal, Nephrology, Occupational Health, Pediatric, Pediatric Critical Care, Perinatal, Perioperative

This is the only degree program in BC designed to prepare Registered Nurses for employment in specialty nursing practice. Careers: Learners in this program are Registered Nurses who are either seeking employment in or are employed in one of the nursing specialties listed.

High school graduation. English 12 (B), Principles of Math 12 (C+) or Academic Math 12 (C+), Chemistry 12 (C+), Physics 11 (C+), Biology 12 (C+). Physics 12 strongly recommended. Entrance requirements should have been completed during the past five years. Excellent communication and interpersonal skills. Medical form. Current immunization. CPR Level C. Criminal record search. Signed consent form for full participation in labs.

Application Processing:
Oct. 1 – April 30.
Applications are considered for a specific intake.

High school graduation or GED or BTSD Level 4 with: English 12 (B) or better, or 3 credits of university transfer English composition course with a pass or better. Fluency in written and oral English. Chemistry 11 (C+) or better. Principles of Math 11 (C+) or Principles of Math 12 (C) or Academic Math 11 (C+) or Applications of Math 12 (C+). Biology 12 (C+) or better, or BCIT course BHSC 0100 (C+) or better, or BHSC 2217 (C+) or better (Distance Ed.). Applicants who have not completed their Biology 12 (C+) or acceptable equivalent within the past five years but have Biology courses at the post-secondary level will be assessed on an individual basis. Resume. Work experience or min. 30 hours of health related volunteer work – confidential letter of reference required. Current immunizations. CPR (Level C or Basic Rescuer). Satisfactory health. Word processing, computer and research skills. A letter of intent and an English test may be required of short-listed applicants. Possible interview. Attendance at an applicant group meeting.

Application Processing:
August start date:
Oct. 1 to Jan. 31
January start date:
June 1 to Aug. 31
Applications are considered for a specific intake.
The selection process is competitive, the profile of a successful applicant normally includes the existing prerequisites and a minimum of 30 credits of post-secondary course work

High school graduation. English 12, Principles of Math 12 (P) or Academic Math 12 (P) or Applications of Math 12 (C+), Chemistry 11, Physics 11. Interview. Preference given to applicants who have completed the entrance requirements within 5 years prior to application. Familiarity with the use of personal computers strongly recommended.

Application Processing:
Oct. 1 until program fills.
Applications are considered for a specific intake.

First-year university or university transfer courses equivalent to 30 credits. Within these credits you must have first year Physics, Math (calculus based), Chemistry and English. Entrance requirements must have been completed within the past 5 years. Letter of Intent. In-person interview (for short-listed applicants).

Application Processing:
Oct. 1 until program fills.
Applications are considered for a specific intake. The selection process is competitive.

English 12. Years one and two of university level academics, including first-year-level Math (preferably calculus-based), Physics and English with a minimum grade of 60%. Entrance requirements must have been completed during the past 5 years or be relevant to your current work. Basic keyboarding and computer skills. Minimum 40 hours of volunteer work in a health-care facility or previous work experience in health care. Medical form. Criminal record search.

Application Processing:
June 1 - Sept. 30.
Applications are considered for a specific intake. The selection process is competitive.

English 12 or equivalent. Proof of active, or eligibility for, practising RNABC or other provincial registration. Two years of current and relevant work experience.

Application Processing:
Ongoing, throughout the year.

*Specific program criteria must be fulfilled



Trades and Apprenticeships

Program Info	Program and Career Description	Entrance Requirements	Application Details
TECHNOLOGY TEACHER EDUCATION – DIPLOMA OF TECHNOLOGY (605D)			
Full-time – 2 years Starts in September	The Technology Teacher Education program for public school technical studies teachers is an affiliated cooperative program between BCIT and UBC. When all three of the program components have been completed a Bachelor of Education Degree is awarded by UBC. BED degree holders qualify for a BC Professional Teaching Certificate. Careers: Opportunities are extremely good at all grade levels as well as for several high school Career Preparation options. Technology Teacher Education may also lead to careers in post-secondary training, industry training, or other occupations that require technical generalists.	High school graduation. English 12, Principles of Math 11 (C) or Academic Math 11 (C) or Applications of Math 11 (C), any Science 11 course, all with a C grade or better. Upon request, applicants must submit an illustrated portfolio which demonstrates technical experience, accomplishments, aptitude and capability. Resume. 3 confidential letters of reference, which include the referee's phone number, signed by the referee and submitted in an envelope (with the referee's signature across the sealed flap) from the following: character reference letter supporting suitability for teaching; technical reference letter supporting technical capability and experience; letter outlining experience and capability of working with young people. Preference may be given to applicants with: extensive technical experience aligned with program goals, C+ or better grades, completion of secondary or post-secondary Math, Physics, Chemistry and Biology courses, Industrial/Technology Education courses, all or majority of university transfer liberal arts and science courses, secondary or post-secondary computer applications courses in fundamental computer literacy.	Application Processing: Oct. 1 until program fills. Applications are considered for a specific intake.

Trades and Apprenticeships (Construction)

AUTOMATED WOODWORKING PROCESSES – ASSOCIATE CERTIFICATE (2055)

Full-time – 25 weeks Intakes twice per year	This program is designed to give students a thorough exposure to the practical and theoretical elements of today's high-tech woodworking industry.	English 12 or Communications 12, Math 11 (Accounting 11 not accepted). The BCIT pretest is acceptable for English and Math. Prior woodworking training or shop experience as well as basic computer literacy. A final determination of a student's entry into this program may be made by instructor interview.	Application Processing: Ongoing, throughout the year. Applications are wait listed (first-come, first-served).
BENCHWORK AND JOINERY – APPRENTICESHIP TRAINING – DIPLOMA OF TRADES TRAINING* (3050)			
Full-time – 4 levels of 6 weeks each Multiple start dates each year	By manual and CAD layout or manual and CNC/CAM machines, a joiner assembles, installs and finishes articles that are fabricated with wood, plastic and other materials, and are intended to be used as architectural woodwork, millwork and furniture.	Recommended for success: Grade 10 education or equivalent. English 10, Math 10, Science 10. High school graduation preferred.	Register through BCIT Apprentice Services: Tel.: 604-456-8100 Toll-free: 1-800-667-0676 E-mail: apprentice@bcit.ca

BOILERMAKER ELTT – CERTIFICATE OF TRADES TRAINING (1450)

Full-time – 23 weeks Multiple start dates each year	Boilermakers possess the full range of knowledge and skills required to fit, install, assemble, erect, repair and maintain a wide variety of vessels, tanks, towers, hoists and other structures, as well as ancillary equipment and fixtures made of metals and fibreglass materials. Careers: Possible work sites for apprentice boilermakers include pulp mills, refineries and hydro-electric projects.	Successful completion of Grade 11 education. English 11, Applications of Math 11. BCIT pretest is acceptable for high school requirements. Interview: contact the Boilermaker department at 604-412-7435 for an appointment. Good physical condition. Good hearing and no colour blindness.	Application Processing: Ongoing, throughout the year. Applications are wait listed (first-come, first-served).
BOILERMAKER – APPRENTICESHIP TRAINING – DIPLOMA OF TRADES TRAINING* (3150)			
Full-time – 3 levels of 5 weeks each Multiple start dates each year	Boilermakers assemble and repair boilers, vessels, tanks, heat exchangers and other heavy metal structures. They set up and operate brakes, rolls, shears, flame cutters and other heavy metal products and drill and install boilers according to specifications using hand and power tools.	Recommended for success: Grade 10 education or equivalent. English 10, Math 10, Science 10. High school graduation is preferred.	Register through BCIT Apprentice Services: Tel.: 604-456-8100 Toll-free: 1-800-667-0676 E-mail: apprentice@bcit.ca

CARPENTRY ELTT – CERTIFICATE OF TRADES TRAINING (1500)

Full-time – 28 weeks

Multiple start dates each year

Carpentry is divided into four sections: occupational skills, formwork, framing, and interior/exterior finishing. It is a multi-dimensional, physically and intellectually demanding trade using the latest technology. **Careers:** The steady upturn in the construction industry has increased employment opportunities for carpenters. Training prepares students for entry-level employment in the carpentry trade.

High school graduation. English 12 or Communications 12 and Math 10. BCIT pretest is acceptable.

Application Processing:
Ongoing, throughout the year.
Applications are wait listed (first-come, first-served).

CARPENTRY – APPRENTICESHIP TRAINING – DIPLOMA OF TRADES TRAINING* (3200)

Full-time – 4 levels of
6 weeks each

Multiple start dates
each year

A carpenter performs all work in connection with the assembly and erection of falsework and forms for concrete, wood and metal frame construction, and installs interior and exterior finishing metals for residential, commercial and industrial projects, while conforming to plans, specifications and local building codes.

Recommended for success: Grade 10 education or equivalent. English 10, Math 10, Science 10. High school graduation is preferred.

Register through BCIT
Apprentice Services:
Tel.: 604-456-8100
Toll-free: 1-800-667-0676
E-mail: apprentice@bcit.ca

DRAFTING – CERTIFICATE OF TECHNICAL STUDIES (170A)

Full-time – 40 weeks

Starts in September

Programs in: Architectural,
Civil, Mechanical, Structural

This program trains you for a variety of applications in architecture, building construction, mechanical, industrial and piping configuration, civil and municipal construction, and highway design. CAD (Computer Aided Design) is an integral part of all our drafting programs. **Careers:** Work as a drafter or surveying assistant for engineering firms, surveyors, manufacturing shops, or municipalities.

High school graduation. English 12 or Communications 12 and Principles of Math 11 or Applications of Math 11. BCIT pretest is acceptable. Good hand/eye coordination and technical aptitude.

Application Processing:
Ongoing, throughout the year.
Applications are wait listed (first-come, first-served).

DRYWALL FINISHER – APPRENTICESHIP TRAINING – DIPLOMA OF TRADES TRAINING* (3350)

Full-time – 3 levels of
4 weeks each

Multiple start dates
each year

Drywall finishers prepare, tape, fill and sand all seams, corners and angles. They prepare for and apply all decorative fixtures.

Recommended for success: Grade 10 education or equivalent. English 10, Math 10, Science 10. High school graduation is preferred.

Register through BCIT
Apprentice Services:
Tel.: 604-456-8100
Toll-free: 1-800-667-0676
E-mail: apprentice@bcit.ca

GASFITTING – APPRENTICESHIP TRAINING – DIPLOMA OF TRADES TRAINING* (3300)

Full-time – 2 levels of
6 weeks each

Multiple start dates each year

A domestic/commercial gasfitter installs, tests, maintains and repairs propane and/or natural gas lines, appliances, equipment and accessories in residential and commercial premises.

Recommended for success: High school graduation or equivalent. English 11, Algebra 12 or Trade Mathematics 11, Physics 11 or Science and Technology 11.

Register through BCIT Apprentice
Services:
Tel.: 604-456-8100
Toll-free: 1-800-667-0676
E-mail: apprentice@bcit.ca

GLAZING – APPRENTICESHIP TRAINING (DIPLOMA OF TRADES TRAINING*) (3600)

Full-time – 3 levels of
6 weeks each

Multiple start dates
each year

A glazier measures, handles, cuts, prepares, edges, installs, removes, repairs, replaces and seals all types of glass, mirrors and glass substitutes as well as the lays out, prepares, fabricates, installs, removes, repairs, replaces and seals all architectural metal products.

Recommended for success: Grade 10 education or equivalent. English 10, Math 10, Science 10. High school graduation is preferred.

Register through BCIT
Apprentice Services:
Tel.: 604-456-8100
Toll-free: 1-800-667-0676
E-mail: apprentice@bcit.ca

HEAT AND FROST INSULATOR – APPRENTICESHIP TRAINING – DIPLOMA OF TRADES TRAINING* (3800)

Full-time – 4 levels of
4 weeks each

Multiple start dates each year

A heat and frost insulator covers exposed surfaces of pipes, steam generators, ducts, process vats and related equipment with a variety of insulating materials.

Recommended for success: Grade 10 education or equivalent. English 10, Math 10, Science 10. High school graduation is preferred.

Register through BCIT
Apprentice Services:
Tel.: 604-456-8100
Toll-free: 1-800-667-0676
E-mail: apprentice@bcit.ca

*Specific program criteria must be fulfilled



Trades and Apprenticeships (Construction) *continued*

Program Info	Program and Career Description	Entrance Requirements	Application Details
IRONWORKING – ELTT – CERTIFICATE OF TRADES TRAINING (2200)			
<p>Full-time – 23 weeks</p> <p>Multiple start dates each year</p>	<p>Structural ironworkers erect structural steel girders, plates and columns, and join them permanently to form a framework or a completed structure. Work is usually broken down into various phases with separate crews, such as the raising gang or the high tensile bolt gang. Careers: Training prepares students for entry-level employment in the ironworking trade. Currently, jobs exist in both the structural steel and reinforced concrete sectors of the construction industry.</p>	<p>Grade 10 education. English 10, Math 10. BCIT pretest is acceptable for high school requirements. Interview. Good physical condition. Good hearing and no colour blindness.</p>	<p>Application Processing: Ongoing, throughout the year. Applications are wait listed (first-come, first-served).</p>
IRONWORKER – APPRENTICESHIP TRAINING – DIPLOMA OF TRADES TRAINING* (3850)			
<p>Full-time – 3 levels of 5 weeks each</p> <p>Multiple start dates each year</p>	<p>An ironworker welds, burns, rivets, drills, fits and fabricates structural shapes and plates in the erection of structural steel for buildings and bridges. Duties include rigging, placing machinery and the detailing, placing, and tying of reinforcing steel.</p>	<p>Recommended for success: Grade 10 education or equivalent. English 10, Math 10, Science 10. High school graduation is preferred.</p>	<p>Register through BCIT Apprentice Services: Tel.: 604-456-8100 Toll-free: 1-800-667-0676 E-mail: apprentice@bcit.ca</p>
JOINERY (CABINETMAKER) ELTT – CERTIFICATE OF TRADES TRAINING (2050)			
<p>Full-time – 25 weeks</p> <p>Multiple start dates each year</p>	<p>A joiner can do more than build cabinets. A joiner may work in a variety of specialties such as cabinetmaking, furniture making, boat interiors, store fixture manufacturing, pattern making and millwork. Careers: Opportunities vary with the shop size, location and type of work produced. Shops range from small custom shops to large production shops.</p>	<p>High school graduation. English 12 or Communications 12, any Math course at the Grade 11 level. Accounting 11 is not acceptable for Math. BCIT pretest is acceptable. Good physical condition is desirable.</p>	<p>Application Processing: Ongoing, throughout the year. Applications are wait listed (first-come, first-served).</p>
LATHER (WALL AND CEILING) – APPRENTICESHIP TRAINING – DIPLOMA OF TRADES TRAINING* (4700)			
<p>Full-time – 3 levels of 4 weeks each</p> <p>Multiple start dates each year</p>	<p>Lathers install support frameworks for ceiling systems, interior and exterior walls and building partitions to prepare for the installation of interior drywall or plaster walls and ceilings. Work is primarily performed in commercial, high-rise, and residential buildings.</p>	<p>Recommended for success: Grade 10 education or equivalent. English 10, Math 10, Science 10. High school graduation preferred.</p>	<p>Register through BCIT Apprentice Services: Tel.: 604-456-8100 Toll-free: 1-800-667-0676 E-mail: apprentice@bcit.ca</p>
PAINTING AND DECORATING ELTT – CERTIFICATE OF TRADES TRAINING (2900)			
<p>Full-time – 20 weeks</p> <p>Starts in September and February</p>	<p>Painters and decorators work in a variety of specialties. Residential, commercial, industrial, production/manufacturing and the motion picture industry all provide opportunities. Careers: Graduates find employment in residential and commercial housing; factory environments where they use expensive and complex machinery; and, industrial shops where painters work on large painting projects, such as pulp and paper mills, ships, bridges and tanks.</p>	<p>Grade 10 education. English 10, Math 10. BCIT pretest is acceptable.</p>	<p>Application Processing: Ongoing, throughout the year. Applications are wait listed (first-come, first-served).</p>
PILEDRIIVER AND BRIDGEWORKER – APPRENTICESHIP TRAINING – DIPLOMA OF TRADES TRAINING* (4100)			
<p>Full-time – 3 levels of 8 weeks each</p> <p>Multiple start dates each year</p>	<p>A piledriver and bridgeworker constructs, installs, repairs or removes all types of deep piles and caisson foundations and other types of marine installations such as bridges, docks, wharves, tunnels, and bulkheads.</p>	<p>Recommended for success: Grade 10 education or equivalent. English 10, Math 10, Science 10. High school graduation preferred.</p>	<p>Register through BCIT Apprentice Services: Tel.: 604-456-8100 Toll-free: 1-800-667-0676 E-mail: apprentice@bcit.ca</p>
PIPING ELTT – CERTIFICATE OF TRADES TRAINING (2370)			
<p>Full-time – 30 weeks</p> <p>Multiple start dates each year</p>	<p>Prepares students for entry-level employment in the piping trades: plumbing, steamfitting, gasfitting, sprinklerfitting. By experiencing all four trade specialties, students will be prepared to choose a path that best suits them. Careers: Upon successful completion of the program, students may seek employment as apprentices. The employment outlook for graduates of the Piping program is very good.</p>	<p>High school graduation. English 12 or Communications 12, any Math course at the Grade 11. level (Accounting 11 is not acceptable for Math). BCIT pretest is acceptable.</p>	<p>Application Processing: Ongoing, throughout the year. Applications are wait listed (first-come, first-served).</p>

PLASTERING – APPRENTICESHIP TRAINING – DIPLOMA OF TRADES TRAINING* (4600)

Full-time – 3 levels of 4 weeks each
Multiple start dates each year
A plasterer applies coats of plaster and decorative coverings of other materials to inside and outside walls and ceilings of buildings to produce finished and/or fireproofed surfaces.

Recommended for success: Grade 10 education or equivalent. English 10, Math 10, Science 10. High school graduation preferred.

Register through BCIT
Apprentice Services:
Tel.: 604-456-8100
Toll-free: 1-800-667-0676
E-mail: apprentice@bcit.ca

PLUMBING – APPRENTICESHIP TRAINING – DIPLOMA OF TRADES TRAINING* (4150)

Full-time – 3 levels of 8 weeks
Multiple start dates each year
A plumber installs, alters or repairs any plumbing system, including all work usually done by a journeyman plumber governed by the BC Plumbing Code.

Recommended for success: High school graduation or equivalent. English 12, Algebra 11 or Trade Mathematics 11, Physics 11 or Science and Technology 11.

Register through BCIT
Apprentice Services:
Tel.: 604-456-8100
Toll-free: 1-800-667-0676
E-mail: apprentice@bcit.ca

SHEET METAL WORKING ELTT – CERTIFICATE OF TRADES TRAINING (2600)

Full-time – 20 weeks
Multiple start dates each year
Sheet metal workers fabricate, assemble, alter and install a variety of sheet metal products. Typical jobs performed by a sheet metal worker include air conditioning system ductwork, hospital and kitchen equipment (stainless steel), industrial exhaust systems, industrial sheet metal work, skylight work, roofing and flashing (copper, aluminum, stainless steel and galvanized iron). Careers: Employment prospects are positive for the next few years. New opportunities are opening up in the precision metal forming industry. Graduates find work with union and non-union employers. Apprenticeships are also available.

High School graduation. English 12 or Communications 12, any Math course at the Grade 11 level. Accounting 11 is not acceptable for Math. BCIT pretest is acceptable.

Application Processing:
Ongoing, throughout the year.
Applications are wait listed (first-come, first-served).

SHEET METAL – APPRENTICESHIP TRAINING – DIPLOMA OF TRADES TRAINING* (4350)

Full-time – 4 levels of 6 weeks each
Multiple start dates each year
Sheet metal workers lay out, fabricate, assemble, weld, install and service: ducting, spouting fittings, cabinets, gutters, copings, flashings, supporting devices, and integral equipment associated with the blowpipe, air pollution, heating, ventilating, air-conditioning, roofing, restaurant, kitchen and hospital equipment fields. They are familiar with the properties of metal and operate specialized metalworking machines.

Recommended for success: High school graduation including Math and Sciences. English language proficiency.

Register through BCIT
Apprentice Services:
Tel.: 604-456-8100
Toll-free: 1-800-667-0676
E-mail: apprentice@bcit.ca

STEAMFITTING – APPRENTICESHIP TRAINING – DIPLOMA OF TRADES TRAINING* (4400)

Full-time – 3 levels of 6 weeks and 1 level of eight weeks
Multiple start dates each year
A steamfitter/pipefitter installs, alters or repairs steam and hot water boilers and systems for the generation and conveyance of steam and hot water and process piping systems in industrial projects or manufacturing plants.

Recommended for success: High school graduation or equivalent. English 12, Algebra 11 or Trade Mathematics 11, Physics 11 or Science and Technology 11.

Register through BCIT
Apprentice Services:
Tel.: 604-456-8100
Toll-free: 1-800-667-0676
E-mail: apprentice@bcit.ca

STEEL FABRICATING ELTT – CERTIFICATE OF TRADES TRAINING (2700)

Full-time – 23 weeks
Multiple start dates each year
Steel fabricators deal with the selection, layout, shearing, cutting (with a torch), punching, drilling, forming, fitting and welding of steel plates and structural steel shapes into products for the forest, mining, construction, transportation and agricultural industries. Careers: Training prepares students for entry-level jobs as steel fabricators. Upon successful completion of the program, students may seek jobs as apprentices.

Grade 10 education. English 10, Math 10. BCIT pretest is acceptable.

Application Processing:
Ongoing, throughout the year
Applications are wait listed (first-come, first-served).

STEEL FABRICATION – APPRENTICESHIP TRAINING – DIPLOMA OF TRADES TRAINING* (4450)

Full-time – 4 levels of 5 weeks each
Multiple start dates each year
Metal fabricators interpret drawings and are involved in the development, layout, cutting, burning, sawing, punching, bending, drilling, forming, straightening, fitting and assembling, bolting, riveting, welding, testing, inspecting, preparing, painting, rigging and handling of structural and mechanical fabrications in the metal fabrication trade.

Recommended for success: Grade 10 education or equivalent. English 10, Math 10, Science 10. High school graduation is preferred.

Register through BCIT
Apprentice Services:
Tel.: 604-456-8100
Toll-free: 1-800-667-0676
E-mail: apprentice@bcit.ca

*Specific program criteria must be fulfilled



Trades and Apprenticeships (Construction) *continued*

Program Info	Program and Career Description	Entrance Requirements	Application Details
WELDING LEVEL C – CERTIFICATE OF TRADES TRAINING (2850)			
<p>Full-time – 30 weeks</p> <p>Multiple start dates each year</p>	<p>This program develops the fundamental skills and knowledge for initial employment in the welding industry. Careers: Nearly every industry employs welders. Work in metal fabricating shops, general repair shops, new construction sites, mining, logging, shipbuilding, pulp mills, sawmills, and oilfield camps.</p>	<p>Grade 10 education. English 10, Math 10. BCIT pretest is acceptable. An appropriate combination of work experience and education will be considered.</p>	<p>Application Processing: Ongoing, throughout the year. Applications are wait listed (first-come, first-served).</p>
WELDING LEVEL B – CERTIFICATE OF TRADES TRAINING (2860)			
<p>Full-time – up to 16 weeks depending on modules required.</p> <p>Multiple start dates each year</p>	<p>This program develops more advanced welding skills and related theory than were taught in the Level C program: pipe welding, gas tungsten arc welding, etc., providing graduates with a broader base of skills and more employment opportunities. Careers: Nearly every industry employs welders. Work in metal fabricating shops, general repair shops, new construction sites, mining, logging, shipbuilding, pulp mills, sawmills, and oilfield camps.</p>	<p>BCIT English Language Proficiency. Completion of the BCIT Level C program or other training equivalent to the Level C institutional/college training component of the Provincial Registered Welder program.</p>	<p>Application Processing: Ongoing, throughout the year. Applications are wait listed (first-come, first-served).</p>
WELDING LEVEL A – CERTIFICATE OF TRADES TRAINING (2870)			
<p>Full-time – approximately 8 weeks, depending on number of modules required.</p> <p>Multiple start dates each year</p>	<p>This program teaches pipe welding with stainless steel electrodes, low alloy steel electrodes, more advanced blueprint reading and welding metallurgy. Careers: Nearly every industry employs welders. Work in metal fabricating shops, general repair shops, new construction sites, mining, logging, shipbuilding, pulp mills, sawmills and oilfield camps.</p>	<p>BCIT English Language Proficiency. Completion of the BCIT Level B program or other training equivalent to the Level B institutional/college training component of the Provincial Registered Welder program. Note: Completion of the Gas Tungsten Arc Welding 1 course in Level B program or its equivalent is a prerequisite to Gas Tungsten Arc Welding 2.</p>	<p>Application Processing: Ongoing, throughout the year. Applications are wait listed (first-come, first-served).</p>
WELDING – APPRENTICESHIP TRAINING – DIPLOMA OF TRADES TRAINING* (4550)			
<p>Full-time – 6 weeks for each level</p> <p>Multiple start dates each year</p>	<p>Apprentices receive training in welding various steel and aluminum parts using the SMAW, GMAW and FCAW processes in fabrication, construction and erection and repair of components or structures in plate and structural applications.</p>	<p>Recommended for success: Level 1A – Grade 10 education or equivalent. English 10, Math 10, Science 10. High school graduation is preferred. Level 1B – Successful completion of Level 1A Level 2 – Successful completion of Level 1A and Level 1B Level 3 – Successful completion of Level 1A, Level 1B and Level 2</p>	<p>Register through BCIT Apprentice Services: Tel.: 604-456-8100 Toll-free: 1-800-667-0676 E-mail: apprentice@bcit.ca</p>

Trades and Apprenticeships (Electrical)

ELECTRICITY AND INDUSTRIAL ELECTRONICS – CERTIFICATE OF TRADES TRAINING (1750)

<p>Full-time – 40 weeks</p> <p>Multiple start dates each year</p>	<p>This program provides graduates with the theory and practical skills to enter the electrical trade. The electrical worker plans, assembles, installs, tests, repairs and maintains electrical equipment and systems in commercial, industrial and marine facilities. Careers: Work in the construction, mining, forestry, food production, manufacturing, grain handling, transportation, utility and service industries.</p>	<p>High school graduation. English 12 or Communications 12, Academic Math 11 (C). BCIT pretest is acceptable for English and Math. Good physical condition.</p>	<p>Application Processing: Ongoing, throughout the year. Applications are wait listed (first-come, first-served).</p>
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ELECTRICAL – APPRENTICESHIP TRAINING – DIPLOMA OF TRADES TRAINING* (3400)

<p>Full-time – 4 levels of 10 weeks each</p> <p>Multiple start dates each year</p>	<p>Electricians install, construct, alter, repair, maintain, commission, test, service, calibrate, and operate related electrical and electronic systems in any premise, building or structure. They ensure that all electrical connections are safe and meet standards set by the electrical code.</p>	<p>Recommended for success: High school graduation or equivalent. English 12 or Communications 12, Academic Math 11 (C), Physics 11. Good physical condition.</p>	<p>Register through BCIT Apprentice Services: Tel.: 604-456-8100 Toll-free: 1-800-667-0676 E-mail: apprentice@bcit.ca</p>
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INDUSTRIAL INSTRUMENTATION – APPRENTICESHIP TRAINING – SEE COMPUTING AND ELECTRONICS (HARDWARE/SYSTEMS)

SECURITY SYSTEMS TECHNICIAN – CERTIFICATE OF TECHNICAL STUDIES (2595)

Full time – 28 weeks
Starts in September,
November and April
each year

The Security Systems Technician training program is the first full-time program of its kind in North America, and provides the training to excel in this rapidly growing industry. Careers: Design, install, and service alarm systems, central station monitoring equipment, access control systems and closed-circuit television systems.

High school graduation. English 12 or Communications 12, Academic Math 11 (C). BCIT pretest is acceptable for English and Math. Good physical condition. Prior to admission, applicants will be required to undergo a criminal record search - forms and details will be mailed to applicants with their offer of acceptance.

Application Processing:
Ongoing, throughout the year.
Applications are wait listed
(first-come, first-served).

Trades and Apprenticeships (Manufacturing, Industrial Mechanical)

BENCHPERSON – APPRENTICESHIP TRAINING – DIPLOMA OF TRADES TRAINING* (3100)

Full-time – 1 level of 4 weeks
Multiple start dates each year

The skills of a benchperson include the ability to: inspect saws to ensure they are perfectly level; maintain and align components of band saw machine; maintain the specified tooth geometry of band saws; maintain band saw benching equipment; and use power tools. Careers: Those working in the saw trades are employed in sawmills.

Benchperson apprentices must have a Circular Sawfiler Certificate of Qualification prior to acceptance into this program. 1 year of technical training and 1 year of on-the-job training to achieve a Certificate of Qualification. Recommended for success: Grade 10 education or equivalent, English 10, Math 10, Science 10,

Register through BCIT
Apprentice Services:
Tel.: 604-456-8100
Toll-free: 1-800-667-0676
E-mail: apprentice@bcit.ca

CIRCULAR SAWFILER – APPRENTICESHIP TRAINING – DIPLOMA OF TRADES TRAINING* (4250)

Full-time – 1 level of 4 weeks

Inspect saws for plumb, level and proper tension; correct any saw plate defects; maintain and align components of circular saw machine centres; maintain the specified tooth geometry of circular; maintain circular saw benching equipment, tipping and sharpening equipment; and use power tools and related hand tools. Careers: Those working in the saw trades are employed in sawmills.

Circular sawfiler apprentices must have a Saw Fitting Certificate of Qualification prior to acceptance into this program. 1 year of technical training and 1 year of on-the-job training to achieve a Certificate of Qualification. Recommended for success: Grade 10 education or equivalent. English 10, Math 10, Science 10.

Register through BCIT
Apprentice Services:
Tel.: 604-456-8100
Toll-free: 1-800-667-0676
E-mail: apprentice@bcit.ca

HEATING, VENTILATION, AIR CONDITIONING AND REFRIGERATION (HVAC AND R TECHNICIAN) – DIPLOMA OF TRADES TRAINING (2990)

Full-time – 85 weeks
including 2 co-op work terms
One start date each year
Cooperative Education

The Heating, Ventilation, Air Conditioning and Refrigeration (HVAC and R) technician designs, builds, maintains and repairs essential indoor comfort and cooling systems. Refrigeration equipment for supermarkets used for food processing and cold storage facilities and sports facilities such as hockey and curling rinks are also a vital part of the industry. Careers: The largest employer classifications are wholesaler and contracting firms. Other employers could be government agencies and large hotel and resort chains.

High school graduation. English 12 or Communications 12, Academic Math 11 (C). BCIT pretest is acceptable for English and Math. Applicants must pass a BCIT Mechanical Reasoning test.

Application Processing:
Ongoing, throughout the year.
Applications are wait listed
(first-come, first-served).

INDUSTRIAL MAINTENANCE MECHANIC – DIPLOMA OF TRADES TRAINING (1950)

Full-time – 80 weeks
including 2 co-op work terms
of 16 weeks each
Starts in September
Cooperative Education

Industrial maintenance mechanics are responsible for the maintenance and repair of a wide variety of industrial equipment. Duties include installation, maintenance and repair of mechanical, hydraulic, pneumatic and hybrid systems. These systems include power drives, material handling, production, power generating and distribution equipment. Careers: Jobs exist throughout BC in a variety of manufacturing plants from the food industry to machine building and maintenance and small service shops. Explore the prospects of an apprenticeship in either the millwright or machinist trades.

High school graduation. English 12 or Communications 12, any Math course at the Grade 11 level. Accounting 11 is not acceptable for Math. BCIT pretest is acceptable for English and Math. Good physical condition. An interview – granted after the academic requirements have been met.

Application Processing:
Ongoing, throughout the year.
Applications are wait listed
(first-come, first-served).

MACHINIST CORE ELTT– CERTIFICATE OF TRADES TRAINING (2170)

Full-time – 38 weeks
Starts in September

A machinist sets up and operates all machine tools such as lathes, milling machines, saws, grinding machines, drilling and boring machines, planers, precision measuring tools, hand and power tools, and the related attachments and accessories, including machining, selection, use and maintenance of cutting tools. Careers: Machinists have traditionally supported the primary industry sectors in BC such as forestry and mining. Machinists are also working in the manufacturing sector in BC to produce parts for a variety of industries including aerospace.

High school graduation. English 12 or Communications 12, any Math course at the Grade 11 level. Accounting 11 is not acceptable for Math. BCIT pretest is acceptable for English and Math. Good physical condition.

Application Processing:
Ongoing, throughout the year.
Applications are wait listed
(first-come, first-served).

MACHINIST/CNC MACHINIST – DIPLOMA OF TRADES TRAINING (1525)

Full-time – 98 weeks
including 28 weeks of
cooperative education
Starts in September
Cooperative Education

This co-op program provides training in basic machining skills as well as basic CNC machining skills. Careers: Graduates seek work as apprentice machinists or entry-level workers in a shop using computer numerical control (CNC) equipment.

High school graduation. English 12 or Communications 12, any Math course at the Grade 11 level. Accounting 11 is not acceptable for Math. BCIT pretest is acceptable for English and Math. Good physical condition.

Application Processing:
Ongoing, throughout the year.
Applications are wait listed
(first-come, first-served).

*Specific program criteria must be fulfilled



Trades and Apprenticeships (Manufacturing, Industrial Mechanical) *continued*

Program Info	Program and Career Description	Entrance Requirements	Application Details
MACHINIST – APPRENTICESHIP TRAINING – DIPLOMA OF TRADES TRAINING* (3900)			
Full-time – 4 levels of 5 weeks each Multiple start dates each year	Machinists operate a variety of machine tools to make products.	Recommended for success: High school graduation or equivalent. English 12, Algebra 11 or Trade Mathematics 11, Physics 11 or Science and Technology 11.	Register through BCIT Apprentice Services: Tel.: 604-456-8100 Toll-free: 1-800-667-0676 E-mail: apprentice@bcit.ca
MILLWRIGHT ELTT – CERTIFICATE OF TRADES TRAINING (2200)			
Full-time – 39 weeks Starts in September	Millwrights install, repair, overhaul, and maintain all types of machinery and heavy mechanical equipment. They work from plans and blueprints and install equipment and align parts or components. Millwrights also maintain and repair machinery as required. Careers: Anywhere that machinery exists there is usually work for a millwright. Employment is mainly centered on the major BC industries: mining, pulp mills, wood processing and petrochemical plants, with smaller numbers being employed in the manufacturing field, the food processing industry, and the construction sector.	High school graduation. English 12 or Communications 12, any Math course at the Grade 11 level. Accounting 11 is not acceptable for Math. BCIT pretest is acceptable for English and Math. Good physical condition.	Application Processing: Ongoing, throughout the year. Applications are wait listed (first-come, first-served).
MILLWRIGHT – APPRENTICESHIP TRAINING – DIPLOMA OF TRADES TRAINING* (3950)			
Full-time – 4 levels of 7 weeks each Multiple start dates each year	Millwrights install, repair, overhaul and maintain all types of machinery and heavy mechanical equipment. They work from plans and blueprints and install equipment and align parts or components. Millwrights also maintain and repair machinery as required.	Recommended for success: Grade 10 or equivalent. English 10, Math 10, Science 10. High school graduation is preferred.	Register through BCIT Apprentice Services: Tel.: 604-456-8100 Toll-free: 1-800-667-0676 E-mail: apprentice@bcit.ca
POWER ENGINEERING (GENERAL, TECHNICAL, POWER AND PROCESS ENGINEERING) – SEE ENGINEERING TECHNOLOGY			
REFRIGERATION MECHANIC ELTT – CERTIFICATE OF TRADES TRAINING (2320)			
Full-time – 25 weeks Starts in September	Refrigeration mechanics install, maintain, repair and overhaul residential, commercial and industrial central air conditioning systems. Careers: Training prepares students for entry-level employment in the commercial refrigeration industry.	High school graduation. English 12 or Communications 12, Academic Math 11 (C). BCIT pretest is acceptable for English and Math. Applicants must also pass the BCIT Mechanical Reasoning test. Good physical condition.	Application Processing: Ongoing, throughout the year. Applications are wait listed (first-come, first-served).
REFRIGERATION – APPRENTICESHIP TRAINING – LEVEL 1 APPRENTICESHIP TRAINING (4200)			
Full-time – 6 weeks Multiple start dates each year	Refrigeration mechanics install, maintain, repair and overhaul residential, commercial and industrial central air conditioning systems.	Recommended for success: High school graduation. English 12, Algebra 11 or Trade Mathematics 11, Physics 11 or Science and Technology 11.	Register through BCIT Apprentice Services: Tel.: 604-456-8100 Toll-free: 1-800-667-0676 E-mail: apprentice@bcit.ca
SAW FITTING – APPRENTICESHIP TRAINING – DIPLOMA OF TRADES TRAINING* (4300)			
Full-time – 2 levels of 4 weeks each Multiple start dates each year	Inspect, install and fit various types of saws, including circular saws, band saws, gang saws and chain saws; adjust, operate, maintain and repair saw sharpening equipment; set, sharpen, replace, repair and weld saw teeth; sharpen, babbitt and balance chipper knives; and, use power tools and related hand tools. Careers: Those working in the saw trades are employed in sawmills.	Recommended for success: Grade 10 education or equivalent. English 10, Math 10, Science 10.	Register through BCIT Apprentice Services: Tel.: 604-456-8100 Toll-free: 1-800-667-0676 E-mail: apprentice@bcit.ca

TOOL AND DIE TECHNICIAN – DIPLOMA OF TRADES TRAINING (2800)

Full-time – 98 weeks including 28 weeks of cooperative education
Starts in July each year.
Cooperative Education

Provides a foundation of tool making and plastic mould-making skills, requiring operation of all types of shop equipment such as lathes, grinders, milling machines and computer numerical control (CNC) machines. Careers: Graduates can look forward to an apprenticeship in machining, tool and die-making or mould-making, or a career in modern production processes: quality control, process planning, designing, estimating or technical sales.

High school graduation. English 12 or Communications 12, any Math course at the Grade 11 level. Accounting 11 is not acceptable for Math. BCIT pretest is acceptable for English and Math. Good physical condition.

Application Processing:
Ongoing, throughout the year.
Applications are wait listed (first-come, first-served).

Trades and Apprenticeships (Transportation)

AEROSTRUCTURES – APPRENTICESHIP TRAINING – DIPLOMA OF TRADES TRAINING* (3035)

Full-time – 3 levels of 4 weeks each
Multiple start dates each year

Aircraft assemblers cut, bend, shape, form and join materials such as carbon fibre, fibreglass and aluminum into aircraft and their components. Careers: Canada is the world's fourth largest aircraft manufacturer with plants in Montreal, Toronto, Winnipeg, Vancouver, and numerous other small communities. Graduates may qualify for employment in these plants.

Recommended for success: High school graduation. English 12 or Communications 12, Academic Math 11 or Introduction to Math 11 or Math 11A or Aviation Trade Math. BCIT pretest is acceptable for English and Math. Some drafting is recommended. Note: There are federal government and/or unique industry policies and information that apply to this program, please visit www.bcit.ca for details.

Register through BCIT
Apprentice Services:
Tel.: 604-456-8100
Toll-free: 1-800-667-0676
E-mail: apprentice@bcit.ca

AIRCRAFT GAS TURBINE TECHNICIAN – CERTIFICATE OF TECHNICAL STUDIES (1030)

Full-time – 38 weeks
Multiple start dates each year

Gas Turbine Engine Technicians perform the disassembly, inspection, repair, assembly and testing of gas turbine engines in a clean shop environment with regular working hours. Careers: Graduates work in engine repair and overhaul facilities across Canada, from small family-run businesses to large airlines. There is also a demand for individuals with this training in the aircraft component and propeller overhaul business, as well as pipeline pumping and stationary power generation facilities.

High school graduation. English 12 or Communications 12, any Math course at the Grade 11 level (Accounting 11 is not acceptable for Math). BCIT pretest is acceptable for English and Math. One of the following is recommended: Technical Education 11, General Mechanics 11, or Automotive Mechanics 11. Note: There are federal government and/or unique industry policies and information that apply to this program, visit www.bcit.ca for details.

Application Processing:
Ongoing, throughout the year.
Applications are wait listed (first-come, first-served).

AIRCRAFT INTERIOR TECHNICIAN – ASSOCIATE CERTIFICATE OF TECHNICAL STUDIES (1025)

Full-time – 16 weeks

An Aircraft Interior Technician's primary responsibilities include the removal, disassembly, cleaning, inspection, repair and re-installation of aircraft cabin furnishings. Careers: Work for national and regional carriers, and large approved Aircraft Maintenance Organizations (AMOs).

High school graduation. Pass the Trades pretest in Math and Mechanical Reasoning. If the applicant is not a Grade 12 graduate, they must take additional vocabulary and reading comprehension tests. Industry may give preference to those persons with grade 12 completion. Note: There are federal government and/or unique industry policies and information that apply to this program, visit www.bcit.ca for details.

For registration information, please contact the Program Coordinator:
Laurie Watkins
604-419-3704

AIRCRAFT MAINTENANCE ENGINEER CATEGORY E (AVIONICS) – DIPLOMA OF TECHNICAL STUDIES (1065)

Full-time – 48 weeks

Aircraft Avionics Technicians are responsible for the servicing, repair and modification of aircraft electronic systems and components. The job includes removing and installing components, bench testing, and troubleshooting complex electronic aircraft systems. Careers: Jobs are available across Canada in aviation electronic shops, helicopter operations, and large and small carriers. Other opportunities such as fixed-based airport equipment servicing are also available.

BCIT English Language Proficiency. Electronics Technician Common Core program (Full-time Studies program) with a minimum of 70% in both theory and practical topics and a minimum of 95% attendance. Applicants must obtain a 70% pass in both oral and written for Industry Canada's Radiotelephone Operators Examination (Aeronautical) Restricted Certificate. Note: There are federal government and/or unique industry policies and information that apply to this program, visit www.bcit.ca for details.

Application Processing:
Ongoing, throughout the year.
Applications are wait listed (first-come, first-served).

AIRCRAFT MAINTENANCE ENGINEER CATEGORY M (MAINTENANCE) – DIPLOMA OF TECHNICAL STUDIES (1010)

Full-time – 16 months
Starts every 2 months

Aircraft maintenance engineers (AMEs) are responsible for the release (certification) of an aeronautical product (aircraft), after maintenance or inspection. It is a responsible job that includes a variety of tasks from removing and installing components to troubleshooting complex systems. Careers: Work in both the Canadian and foreign aviation industry. Some graduates have gone on to become managers and owners of domestic and international aircraft maintenance establishments.

High school graduation. English 12 or Communications 12, Academic Math 11. One of the following: General Mechanics 11 (C+), Automotive Mechanics 11 (C+), Physics 11 (Pass), BCIT Mechanical Aptitude Test. BCIT pretest is acceptable for English, Math and mechanical aptitude. Good colour vision and an interest in mechanics is recommended. Note: There are federal government and/or unique industry policies and information that apply to this program, visit www.bcit.ca for details.

Application Processing:
Ongoing, throughout the year.
Applications are wait listed (first-come, first-served).



Trades and Apprenticeships (Transportation) *continued*

Program Info	Program and Career Description	Entrance Requirements	Application Details
AIRCRAFT MAINTENANCE ENGINEER CATEGORY S (STRUCTURES) – CERTIFICATE OF TECHNICAL STUDIES (1095)			
<p>Full-time – 37 weeks</p> <p>Multiple start dates each year</p>	<p>Category 'S' structures technicians are responsible for the assessment, planning and implementation of aircraft structural fabrication and repairs. Careers: Work in helicopter or light aircraft repair, airline maintenance of aircraft and component manufacturing. Some graduates have gone on to manage or own repair businesses.</p>	<p>High school graduation. English 12 or Communications 12, Academic Math 11 or Introduction to Math 11 or Math 11A or Aviation Trade Math. BCIT mechanical reasoning test. BCIT pretest is acceptable for English and Math. Some drafting is recommended. Note: There are unique industry policies and information that apply to this program, visit www.bcit.ca for details.</p>	<p>Application Processing: Ongoing, throughout the year. Applications are wait listed (first-come, first-served).</p>
AIRCRAFT MECHANICAL COMPONENT TECHNICIAN – CERTIFICATE OF TECHNICAL STUDIES (1060)			
<p>Full-time – 29 weeks</p> <p>Starts in September</p>	<p>Aircraft Mechanical Component Shop Technicians are involved in the overhaul, repair, modification, inspection, testing and certification of aviation components of pneumatic, hydraulic, fuel, electrical, environmental and mechanical aircraft systems. Careers: Work with companies that specialize in aircraft component overhaul, Approved Maintenance Organizations (AMO's) involved in the manufacture and overhaul of airframe systems, as well as major airlines.</p>	<p>High school graduation. English 12 or Communications 12, Academic Math 11 (C or better). BCIT pretest in Math and English acceptable. Note: There are federal government and/or unique industry policies and information that apply to this program, visit www.bcit.ca for details.</p>	<p>Application Processing: Ongoing, throughout the year. Applications are wait listed (first-come, first-served).</p>
AIRCRAFT STRUCTURES MANUFACTURING TECHNICIAN – ASSOCIATE CERTIFICATE OF TECHNICAL STUDIES (1090)			
<p>Full-time – 16 weeks</p> <p>Multiple start dates each year</p>	<p>This program prepares students to enter occupations related to aircraft manufacturing. Careers: Jobs are available at aerospace manufacturing plants throughout Canada.</p>	<p>High school graduation. English 12 or Communications 12, Academic Math 11 or Introduction to Math 11 or Math 11A or Aviation Trade Math. BCIT mechanical reasoning test. BCIT pretest is acceptable for English and Math. Some drafting is recommended. Note: There are federal government and/or unique industry policies and information that apply to this program, visit www.bcit.ca for details.</p>	<p>Application Processing: Ongoing, throughout the year. Applications are wait listed (first-come, first-served).</p>
AIRLINE AND FLIGHT OPERATIONS – DIPLOMA OF TECHNICAL STUDIES (1055)			
<p>Full-time – 64 weeks</p> <p>Starts in September</p>	<p>A fully integrated program that combines the training required to qualify for a commercial pilot licence (including a multi-engine IFR rating) with the applied skills and knowledge base to operate an airline. Careers: Even with recent challenges, the aviation industry is poised for continuous growth in future decades. Retirements and projected growth over the next decade are forecasted to create strong needs for pilots with superior technical skills as well as a background in different areas of aviation such as safety management systems, WHMIS and cockpit resource management.</p>	<p>High school graduation. English 12 or BCIT English language assessment (COMM 0015) is acceptable, Math 11 or BCIT Math Competency Test. Pass a Category One Aviation medical examination. BCIT Aviation pre-entry assessment test. Interview with the director of Flight Operations and the selection committee. Note: There are unique industry policies and information that apply to this program, visit www.bcit.ca for details.</p>	<p>Application processing: Oct. 1 - until program fills. Applications are considered for a specific intake. Admission does not happen on a first-come, first-served basis. The process is competitive.</p>
AIRPORT OPERATIONS – DIPLOMA OF TECHNICAL STUDIES (1070)			
<p>Full-time – 16 months</p> <p>Starts in September</p>	<p>Develops the skills to meet the demands of today's unique and dynamic airport operation environment. Includes lectures, demonstrations, and applied training. Students will be assigned industry-based activities that will be completed at local and/or regional and national airports. Careers: Graduates are prepared for a wide range of entry-level positions at airport businesses, suppliers and airports.</p>	<p>High school graduation. English 12 or BCIT English Language Assessment (COMM 0015), Math 11 or BCIT Math Competency Test. A valid BC driver's license. Completion of BCIT Aviation pre-entry assessment test for English, Math and Spatial Perception. Letter of intent. Note: There are deferral government and/or unique industry policies and information that apply to this program, visit www.bcit.ca for details.</p>	<p>Application processing: Oct. 1 - until program fills. Applications are considered for a specific intake. The process is competitive. Candidates will be selected on the basis of highest academic standing and admission test results.</p>
AUTO COLLISION REFINISHING TECHNICIAN – DIPLOMA OF TRADES TRAINING (110A)			
<p>Full-time – 80 weeks including two 16-week work terms</p> <p>Starts in September</p> <p>Cooperative Education</p>	<p>Basic theory and related information, along with hands-on shop practice, enable students to become proficient in auto body refinishing. Careers: Training prepares students for entry-level employment in the automotive collision refinishing trade. The major employers of auto body personnel are dealerships, privately owned service shops and franchised auto collision shops.</p>	<p>High school graduation. English 12 or Communications 12, any Math course at the Grade 11 level (Accounting 11 is not acceptable for Math). A valid BC driver's licence. Applicants must attend an information session with the department to determine their suitability for the program. Good physical condition, freedom from respiratory problems, and non-allergic to paint thinners. BCIT pretest is acceptable for English and Math.</p>	<p>Application Processing: Ongoing, throughout the year. Applications are wait listed (first come, first-served).</p>

AUTO COLLISION REPAIR TECHNICIAN – DIPLOMA OF TRADES TRAINING (110B)

Full-time – 80 weeks including two 16-week work terms

Multiple start dates each year

Cooperative Education

Basic theory and related information, along with hands-on shop practice, enable students to become proficient in auto body repair. **Careers:** Training prepares students for entry-level jobs in the automotive collision repair trade. The major employers of auto body personnel are dealerships, privately owned service shops, and franchised auto collision shops.

High school graduation, English 12 or Communications 12, any Math course at the Grade 11 level (Accounting 11 is not acceptable for Math). A valid BC driver's licence. Applicants must also attend an information session with the department to determine their suitability for the program. Good physical condition, freedom from respiratory problems and non-allergic to paint thinners. BCIT pretest is acceptable for English and Math.

Application Processing:
Ongoing, throughout the year.
Applications are wait listed (first come, first-served).

AUTOMOTIVE ELECTRONICS TECHNICIAN – CERTIFICATE OF TRADES TRAINING (1200)

Full-time – 20 weeks

Multiple start dates each year

This program will take technicians through basic electrical diagnosis and repair to the latest state-of-the-art automotive electronics. **Careers:** Jobs exist in automotive service, automotive electrical and tune-up, automotive electrical (off-vehicle repair), automotive transmission (specialist), air conditioning, heating and cooling (climate control specialist).

English 12 or Communications 12. Successful completion of Automotive Mechanic ELTT or Apprentice with minimum two years in the trade; or Journeued or TQ status (must provide license number); or, successful completion of a mechanical aptitude test. Valid BC driver's licence.

Application Processing:
Ongoing, throughout the year.
Applications are wait listed (first-come, first-served).

AUTOMOTIVE MECHANIC ELTT – CERTIFICATE OF TRADES TRAINING (1350)

Full-time – 34 weeks

Multiple start dates each year

Automotive mechanics repair and test motor vehicles. They disassemble, inspect and assemble engines and accessories, cooling systems, transmissions and clutches, drive lines, braking and suspension systems. **Careers:** Employment is found with local service stations, dealerships and chains of specialty repair shops, as well as parts person and service writer careers.

High school graduation. English 12 (P) or Communications 12 (P), Academic Math 11 (C). Valid BC driver's licence. BCIT pretest is acceptable for English and Math.

Application Processing:
Ongoing, throughout the year.
Applications are wait listed (first-come, first-served).

AUTOMOTIVE MECHANIC ELTT (TOYOTA T-TEP) – CERTIFICATE OF TRADES TRAINING (1370)

Full-time – 40 weeks

Starts in September

Automotive Mechanics repair and test motor vehicles. They disassemble, inspect and assemble engines and accessories, cooling systems, transmissions and clutches, drive lines, braking and suspension systems. **Careers:** Employment is found with local service stations, dealerships and chains of specialty repair shops as well as parts person and service writer careers. A typical career path involves starting as a trainee until an apprenticeship becomes available.

High school graduation. Academic English 12 (C), Academic Math 11 (C). Valid BC driver's licence. BCIT pretest is acceptable for English and Math.

Application Processing:
Ongoing, throughout the year.
Applications are wait listed (first-come, first-served).

AUTOMOTIVE MECHANIC ELTT (VOLKSWAGEN) – CERTIFICATE OF TRADES TRAINING (1380)

Full-time – 40 weeks

Starts in September

Pursue a career as a general repair technician or choose one of many specializations. In addition to the entry-level training, students will receive training, exposure and focus on the Volkswagen product. **Careers:** Employment is found with local service stations, dealerships and chains of specialty repair shops as well as parts person and service writer careers. A typical career path involves starting as a trainee until an apprenticeship becomes available.

High school graduation. Academic English 12 (C), Academic Math 11 (C). Valid BC driver's licence. BCIT pretest is acceptable for English and Math. Good physical condition is desirable.

Application Processing:
Ongoing, throughout the year.
Applications are wait listed (first-come, first-served).

AUTOMOTIVE SERVICE TECHNICIAN – DIPLOMA OF TRADES TRAINING (1260)

Full-time – 2 years including 36 weeks cooperative education

Starts in the Spring each year

Cooperative Education

This specialized training program produces skilled technicians who diagnose and repair the sophisticated systems in today's motor vehicles. It is also for those with an interest in automotive, but who aspire to management positions in the industry.

High school graduation. English 12 (C), Academic Math 11 (C+). BCIT pretest is acceptable for English and Math. Valid BC driver's licence. Applicants must also attend an information session with department staff to determine their suitability for the program.

Application Processing:
Ongoing, throughout the year.
Applications are wait listed (first-come, first-served).

AUTOMOTIVE SERVICE TECHNICIAN (FORD ASSET) – DIPLOMA OF TRADES TRAINING (1270)

Full-time – 2 years

This specialized training program produces skilled technicians who diagnose and repair the sophisticated systems in today's motor vehicles. It is also for those with an interest in automotive, but who aspire to management positions in the industry. **Careers:** Because the FORD Dealers employs AST students during the cooperative work terms, these students gain valuable practical experience and employers have a great opportunity to evaluate the worth of the program and the calibre of the trainees.

High school graduation. English 12 (C), Academic Math 11 (C+). BCIT pretest is acceptable for English and Math. Valid BC driver's licence. Proof of dealer sponsorship. For students without sponsorship, placement may be possible. Contact the ASSET Coordinator for a personal interview with the department. Applicants may also be required to attend an information session, after all program requirements have been met, to determine their suitability.

Application Processing:
Ongoing, throughout the year.
Applications are wait listed (first-come, first-served).

*Specific program criteria must be fulfilled



Trades and Apprenticeships (Transportation) *continued*

Program Info	Program and Career Description	Entrance Requirements	Application Details
AUTOMOTIVE TECHNICIAN – APPRENTICESHIP TRAINING – DIPLOMA OF TRADES TRAINING* (4800)			
Full-time – 4 levels of 6 weeks each Multiple start dates each year.	This program will cover electrical systems, air conditioning systems, fuel systems, driveline, engine mechanical, power train, steering and suspension, brakes, options and accessories, computer operated/assisted systems, truck components and systems and body and trim.	Recommended for success: High school graduation or equivalent. English 12, Algebra 11 or Trade Mathematics 11, Physics 11 or Science and Technology 11.	Register through BCIT Apprentice Services: Tel.: 604-456-8100 Toll-free: 1-800-667-0676 E-mail: apprentice@bcit.ca
AUTOMOTIVE TECHNICIAN GM (ASEP) – APPRENTICESHIP TRAINING – DIPLOMA OF TRADES TRAINING* (4870)			
Full-time – 5 levels of 8 weeks	Over a 2-year period, students train on a rotational basis with eight weeks in the classroom and 10 weeks of hands-on, paid work experience in a General Motors (GM) dealership. Classroom instructors are trained by GM, and are in tune with the latest trends in technology. New vehicles, training components and aids are provided by GM for students to work on and learn from in a closely supervised and structured environment. Careers: After each classroom term students work as a service technician in a sponsoring GM dealership.	Recommended for success: High school graduation or equivalent. English 12, Algebra 11 or Trade Mathematics 11, Physics 11 or Science and Technology 11. BCIT pretest is required prior to acceptance. Students must provide their sponsoring GM dealer with employment commitment and proficiency, maintain academic and attendance standards and participate in all learning activities.	Register through BCIT Apprentice Services: Tel.: 604-456-8100 Toll-free: 1-800-667-0676 E-mail: apprentice@bcit.ca
AUTOMOTIVE TECHNICIAN HONDA (HAP) – APPRENTICESHIP TRAINING – DIPLOMA OF TRADES TRAINING* (4820)			
Full-time – 4 levels of 8 weeks each	Students are guided by Honda-trained instructors and learn up-to-date service techniques using the latest Acura/Honda vehicles and components. Careers: After each classroom term students work as a service technician in a sponsoring Acura/Honda dealership.	High school graduation or equivalent. English 12, Algebra 11 or Trade Math 11, Physics 11 or Science and Technology 11. Valid BC driver's licence and transportation. Acura/Honda dealership sponsorship.	Register through BCIT Apprentice Services: Tel.: 604-456-8100 Toll-free: 1-800-667-0676 E-mail: apprentice@bcit.ca
BRIDGE WATCHMAN – ASSOCIATE CERTIFICATE OF TECHNICAL STUDIES (2925)			
Full-time – 13 weeks	The Bridge Watchman program is intended for persons wishing to work in the marine industry. The program will provide standards for safe working procedures, and the knowledge and skills required to enable a new seaperson to prepare for certification as a bridge watchman.	English language proficiency. Proof of 16 years of age. Grade 10 education. Good health and physical fitness required. A medical certificate from a Transport Canada-approved physician to verify medical requirements to the level required for certificated deck personnel.	To register, contact the Registration Office at BCIT Marine Campus: Tel.: 604-453-4111 Fax 604-985-2862
COMMERCIAL TRANSPORT MECHANIC ELTT (TRUCK AND BUS MECHANIC) – CERTIFICATE OF TRADES TRAINING (1550)			
Full-time – 30 weeks Starts in September	Commercial Transport Mechanics overhaul, recondition, repair and maintain highway trucks, buses, forklifts and refrigeration-equipped tractor trailers. Careers: Training prepares students for entry-level employment as commercial transport mechanics. Upon successful completion of the program, students may seek employment as apprentices.	High school graduation. English 12 or Communications 12, any Math course at the Grade 11 level (Accounting 11 is not acceptable for Math). BCIT pretest is acceptable for English and Math. Good physical condition is desirable. Valid BC driver's license.	Application Processing: Ongoing, throughout the year Applications are wait listed (first-come, first-served)
COMMERCIAL TRANSPORT – APPRENTICESHIP TRAINING – DIPLOMA OF TRADES TRAINING* (3250)			
Full-time – 3 levels of 6 weeks and 1 level of 8 weeks Multiple start dates each year	Students work on mechanical and electronic components of vehicles learning vehicle systems such as fuel, brake, steering and suspension systems, transmission, emission control and exhaust systems, engines, and electrical, cooling and air conditioning and refrigeration.	Recommended for success: Grade 10 education. English 10, Mathematics 10, Science 10. High school graduation preferred.	Register through BCIT Apprentice Services: Tel.: 604-456-8100 Toll-free: 1-800-667-0676 E-mail: apprentice@bcit.ca



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BCIT REGISTRATION & INFORMATION
3700 WILLINGDON AVE
BURNABY BC V5G 9Z9

DIESEL ENGINE ELECTRONICS – ASSOCIATE CERTIFICATE OF TRADES TRAINING (1630)

Full-time – 13 weeks
Multiple start dates each year

A diesel engine electronic technician diagnoses and troubleshoots problems with electronic fuel systems on today's modern diesel engines as well as has a good understanding of other electronic systems used on trucks and equipment. Careers: Work in the commercial transport mechanic, heavy duty mechanic and diesel engine mechanic industries.

High school graduation. English 12 or Communications 12, any Math course at the Grade 11 level. Accounting 11 is not acceptable for Math. BCIT pretest is acceptable for English and Math. One of the following: Trade Qualifications (TQ) or Interprovincial (IP) in either Heavy Duty Mechanics, Commercial Transport Mechanics, or Diesel Mechanics, or be a Commercial Transport Apprentice or Heavy Duty Apprentice; one of Diesel Engine Mechanic ELTT, Commercial Transport Mechanic ELTT or Heavy Duty Mechanic ELTT; or, completion of the BCIT Automotive Electronic Technician program.

Application Processing:
Ongoing, throughout the year.
Applications are wait listed
(first-come, first-served).

DIESEL ENGINE MECHANIC ELTT – CERTIFICATE OF TRADES TRAINING (1600)

Full-time – 42 weeks
Starts in September

Diesel Engine Mechanics repair, maintain and rebuild diesel engines that power a wide variety of mobile and stationary machinery. Careers: Diesel engine mechanics are required wherever diesel engines are found in industry: railways, bus and truck lines, the marine industry, repair garages, logging and mining camps, and dealerships.

High school graduation. Technical and Professional Communications 12 (P), or Academic English 12 (P), Principles of Math 11 (C), Introductory Math 11 (C), Applications of Math 11 (C), or approved equivalents. Accounting is not acceptable for Math. BCIT pretest acceptable for English and Math. Good physical condition is desirable.

Application Processing:
Ongoing, throughout the year.
Applications are wait listed
(first-come, first-served).

FIRST MATE, INTERMEDIATE TRADE – DIPLOMA OF TECHNICAL STUDIES (2521)

Full-time – 25 weeks

This program prepares the participant for the Transport Canada examinations which lead to the issuance of the First Mate Intermediate Trade Certificate of Competency. Careers: Holders of the First Mate Intermediate Trade Certificate of Competency are qualified to act in the capacity of a Second Mate on any foreign going vessel or a First Mate on an intermediate trade vessel.

English language proficiency. Grade 10 Math recommended. Watchkeeping Mate Restricted Certificate of Competency. 12 months in charge of a watch while in possession of a Watchkeeping Mate Certificate. Proof of: valid Simulated Electronic Navigation (SEN IA and SEN IB) and SIM I exam, Marine Emergency C and D, valid Marine Advanced First Aid.

To register, contact the
Registration Office at BCIT
Marine Campus:
Tel.: 604-453-4111
Fax 604-985-2862

HEAVY DUTY MECHANIC ELTT – CERTIFICATE OF TRADES TRAINING (1850)

Full-time – 30 weeks
Multiple start dates each year

Heavy duty mechanics repair and test heavy duty machines such as tractors, crawlers, loaders, graders, cranes, shovels and trucks. The work ranges from simple daily maintenance checks to servicing hydraulic systems, air brakes and winches, blades and accessories. Careers: Opportunities exist in the Lower Mainland and BC, but graduates may have to work at an unskilled job in the industry until an apprenticeship becomes available.

High school graduation. English 12 or Communications 12, any Math course at the Grade 11 level. Accounting 11 is not acceptable for Math. BCIT pretest is acceptable for English and Math. Good physical condition is desirable.

Application Processing:
Ongoing, throughout the year.
Applications are wait listed
(first-come, first-served).

HEAVY DUTY MECHANIC – APPRENTICESHIP TRAINING – DIPLOMA OF TRADES TRAINING* (3650)

**Full-time – 4 levels of
6 weeks each**
Multiple start dates each year

Heavy duty mechanics repair and test heavy duty machines such as tractors, crawlers, loaders, graders, cranes, shovels and trucks. The work ranges from simple daily maintenance checks to servicing hydraulic systems, air brakes and winches, blades and accessories.

Recommended for success: Grade 10 education or equivalent. English 10, Math 10, Science 10. High school graduation is preferred.

Register through BCIT
Apprentice Services:
Tel.: 604-456-8100
Toll-free: 1-800-667-0676
E-mail: apprentice@bcit.ca

INBOARD / OUTBOARD MECHANIC ELTT – CERTIFICATE OF TRADES TRAINING (1900)

Full-time – 34 weeks
Multiple start dates each year

Inboard/outboard mechanics do tune-ups and electrical troubleshooting, disassemble and overhaul complete units and/or components, make steering and shift adjustments, check gauges and instruments, and may install accessories such as GPS and depth-sounders. Careers: Opportunities exist both in and out of town with dealers, marinas, fishing lodges and resorts. Apprenticeships are common.

High school graduation. English 12 or Communications 12, any Math course at the Grade 11 level. Accounting 11 is not acceptable for Math. BCIT pretest is acceptable for English and Math. Good physical condition is desirable.

Application Processing:
Ongoing, throughout the year.
Applications are wait listed
(first-come, first-served).

*Specific program criteria must be fulfilled



Trades and Apprenticeships (Transportation) *continued*

Program Info	Program and Career Description	Entrance Requirements	Application Details
<p>INBOARD/OUTBOARD MECHANIC – APPRENTICESHIP TRAINING – DIPLOMA OF TRADES TRAINING* (3700)</p> <p>Full-time – 4 levels of 4 weeks each</p> <p>Multiple start dates each year</p>	<p>Inboard/outboard mechanics do tune-ups and electrical troubleshooting, disassemble and overhaul complete units and/or components, make steering and shift adjustments, check gauges and instruments, and may install accessories such as GPS and depth-sounders.</p>	<p>Recommended for success: Grade 10 education or equivalent: English 10, Math 10, Science 10. High school graduation is preferred.</p>	<p>Register through BCIT Apprentice Services: Tel.: 604-456-8100 Toll-free: 1-800-667-0676 E-mail: apprentice@bcit.ca</p>
<p>MARINE ENGINEER FIRST CLASS – STATEMENT OF COMPLETION (2710)</p> <p>Full-time – 31 weeks</p>	<p>Prepares students for examinations that lead to Certificates of Competency issued by Transport Canada. Careers: Prepares participants for all Transport Canada examinations for the First Class Marine Engineer Certificate of Competency, which qualifies the holder to act as a chief engineer in any ship of any power on any voyage.</p>	<p>These are for general information purposes only, and are not intended to replace the specific Transport Canada regulations governing prerequisites and sea service requirements, as set out in the Regulations Respecting the Examination of Marine Engineers. English language proficiency. Marine Engineer Second Class Certificate of Competency. 18 months of sea service. Completion of: MERS 2000: Propulsion Plant Simulator Level II, MEDI 3000: Marine Emergency Duties (MED) C and D, MSSM 1050: Marine Advanced First Aid Certificate, or hold a valid Marine Advanced First Aid Certificate.</p>	<p>To register, contact the Registration Office at BCIT Marine Campus: Tel.: 604-453-4111 Fax 604-985-2862</p>
<p>MARINE ENGINEER SECOND CLASS – STATEMENT OF COMPLETION (2720)</p> <p>Full-time – 39 weeks</p>	<p>Prepares students for examinations that lead to Certificates of Competency issued by Transport Canada. Careers: This program prepares participants for all Transport Canada examinations leading to the Second Class Marine Engineer Certificate of Competency, which qualifies the holder to act as a second engineer in a ship of any power on any voyage, or as a Chief Engineer in a ship of moderate power on any voyage.</p>	<p>These are for general information purposes only, and are not intended to replace the specific Transport Canada regulations governing prerequisites and sea service requirements, as set out in the Regulations Respecting the Examination of Marine Engineers. English language proficiency. Marine Engineer Third Class Certificate of Competency. 12 months of sea service. Completion of: MERS 2000 Propulsion Plant Simulator Level II, MEDI 3000 Marine Emergency Duties (MED) C and D, MSSM 1050 Marine Advanced First Aid or hold a valid Marine Advanced First Aid Certificate.</p>	<p>To register, contact the Registration Office at BCIT Marine Campus: Tel.: 604-453-4111 Fax 604-985-2862</p>
<p>MARINE ENGINEER THIRD CLASS – STATEMENT OF COMPLETION (2730)</p> <p>Full-time – 32 weeks</p>	<p>Prepares students for examinations that lead to Certificates of Competency issued by Transport Canada. Careers: Prepares students for all Transport Canada examinations leading to the Third Class Marine Engineer Certificate, which qualifies the holder to act as a watchkeeping engineer in any ship of any power on any voyage. The holder may also act as a Chief Engineer on ships sailing with limited power on certain voyages.</p>	<p>These are for general information purposes only, and are not intended to replace the specific Transport Canada regulations governing prerequisites and sea service requirements, as set out in the Regulations Respecting the Examination of Marine Engineers. English language proficiency. Marine Engineer Third Class Certificate of Competency. 12 months of sea service. Completion of: MERS 2000 Propulsion Plant Simulator Level I (Level II is also required for a STCW Chief Engineer Endorsement), MEDI 3000 Marine Emergency Duties (MED) C and D, MSSM 1050 Marine Advanced First Aid or hold a valid Marine Advanced First Aid Certificate.</p>	<p>To register, contact the Registration Office at BCIT Marine Campus: Tel.: 604-453-4111 Fax 604-985-2862</p>

MARINE ENGINEER FOURTH CLASS – STATEMENT OF COMPLETION (2740)

Full-time Prepares students for examinations that lead to Certificates of Competency issued by Transport Canada. Careers: Prepares participants for all Transport Canada examinations leading to the Fourth Class Marine Engineer Certificate of Competency, which qualifies the holder to act as a watchkeeping engineer in a ship of any power on any voyage. The examination for this grade of certificate is held in three parts in the case of a Steam or Motor Certificate, and in four parts in the case of a Combined Certificate.

These are for general information purposes only, and are not intended to replace the specific Transport Canada regulations governing prerequisites and sea service requirements, as set out in the Regulations Respecting the Examination of Marine Engineers. English language proficiency. 36 months "qualifying time," which must include 6 months of seetime. Completion of: MERS 1000: Propulsion Plant Simulator level I, MEDI 1000: Marine Emergency Duties (MED) A-1 Basic Safety, MEDI 1020: Marine Emergency Duties B-1 Survival Craft, MEDI 2020: Marine Emergency Duties B-2 Marine Fire Fighting, MEDI 3000: Marine Emergency Duties C and D, MSSM 1050: Marine Advanced First Aid or hold a valid Marine Advanced First Aid certificate.

To register, contact the Registration Office at BCIT Marine Campus:
Tel.: 604-453-4111
Fax 604-985-2862

MARINE ENGINEERING – DIPLOMA OF TECHNICAL STUDIES (2845)

Full-time - 4 years (48 months) Provides training in the operation and maintenance of the propulsion plant and other machinery systems found in all oceangoing ships. A marine engineer is responsible for the efficient operation and maintenance of the vessel's propulsion, electrical and auxiliary systems.
Starts once each year
Cooperative Education

High school graduation. Technical and Professional Communications 12 (P) or English 12 (P), Principles of Math 11 (C), Introductory Math 11 (C), Applications of Math (C), or approved equivalents. BCIT pretest will meet English and Math requirements. Physics 11 or Chemistry 11 is recommended. Pass, to Transport Canada standards, a medical, hearing, and eyesight test. This test must be conducted by a Transport Canada-approved doctor. Interview. Note that acceptance into the program does not constitute a guarantee by BCIT that a shipping company will provide a berth for the co-op terms. Sign a waiver.

Application Processing:
Oct. 1 until the program fills.
Applications are considered for specific intake.

MASTER, INTERMEDIATE TRADE – ADVANCED DIPLOMA (9570)

Full-time - 21 weeks Courses in the Master Intermediate Trade program prepare the participant for Transport Canada examinations leading to the issuance of the Master Intermediate Trade Certificate of Competency. Careers: Holders of the Master Intermediate Trade Certificate of Competency are qualified to act in the capacity of a First Mate on any foreign-going vessel or a Master on an Intermediate Trade vessel.

English language proficiency. First Mate Intermediate Trade Certificate of Competency. 12 months sea service while holding a First Mate Intermediate Trade Certificate of Competency. Completion of: Valid Simulated Electronic Navigation ENAV 2000 (SEN) II, and SIM 2, Marine Emergency Duties D (call 604-453-4111 for information about this course) MSSM 1050 Marine Advanced First Aid or valid Marine Advanced First Aid certificate.

To register, contact the Registration Office at BCIT Marine Campus:
Tel.: 604-453-4111
Fax 604-985-2862

MASTER 350GT – STATEMENT OF COMPLETION (2531)

Full-time - 7 weeks Prepares the participant for the WKMR Certificate for Command Endorsement examinations. Careers: Holders of the WKMR Certificate for Command Endorsement are qualified to act as a Master of a vessel not exceeding 350 tons gross tonnage (within the Local Trade limits), or of a tug of any size.

English language proficiency. Watchkeeping Mate Restricted Certificate of Competency. 36 months sea service, 12 months must be served as an officer in charge of a watch on vessels of at least 5 gross tons making local or minor water voyages, while in possession of a certificate as Watchkeeping Mate Restricted. Completion of: Simulated Electronic Navigation (SEN) II, and SIM 2, MED Part C, MED Part D, valid Marine Advanced First Aid.

To register, contact the Registration Office at BCIT Marine Campus:
Tel.: 604-453-4111
Fax 604-985-2862

MASTER LIMITED, OVER 60 GRT, MINOR WATERS – STATEMENT OF COMPLETION (2571)

Full-time - 15 weeks Prepares the participant for Transport Canada examinations leading to the issuance of a Master Minor Waters Certificate of Competency. Careers: Holders of the Master Minor Waters Certificate of Competency, are qualified to act in the capacity of a Master of vessels on the Minor Waters of Canada, (the lakes and rivers of Canada, excluding the Great Lakes and Lake Winnipeg).

English language proficiency. Six months watchkeeping service on related waters while holding WKMR, First Mate Limited. Completion of: Restricted Operator's Certificate, Marine Emergency Duties: MED A-1, B-1, B-2, C, and D, Marine Advanced First Aid.

To register, contact the Registration Office at BCIT Marine Campus:
Tel.: 604-453-4111
Fax 604-985-2862.

MOTORCYCLE MECHANIC ELTT – CERTIFICATE OF TRADES TRAINING (2250)

Full-time - 34 weeks Motorcycle mechanics are involved with all aspects of motorcycle, ATV, and related equipment service and repair. They are required to perform operations such as new unit assembly and full service, top end and transmission rebuilds, electrical component repair and chassis, wheel, suspension, final drive and accessory service. Careers: Work as a mechanic in service departments at a franchised motorcycle dealer. Many grads progress to service management positions. Some are involved in their own service and repair businesses.
Multiple start dates each year

High school graduation. English 12 or Communications 12, any Math course at the Grade 11 level. Accounting 11 is not acceptable for Math. BCIT pretest is acceptable for English and Math. Good physical condition is desirable.

Application Processing:
Ongoing, throughout the year.
Applications are wait listed (first-come, first-served).

*Specific program criteria must be fulfilled



Trades and Apprenticeships (Transportation) *continued*

Program Info	Program and Career Description	Entrance Requirements	Application Details
MOTORCYCLE MECHANIC – APPRENTICESHIP TRAINING – DIPLOMA OF TRADES TRAINING* (4000)			
<p>Full-time – 2 levels of 5 weeks each</p> <p>Multiple start dates each year</p>	<p>The program will include courses in servicing internal combustion engines, applying principles of lubrication, basic electrical systems, two and four cycle top end service, electrical systems, brake systems and wheels and tires.</p>	<p>Recommended for success: Grade 10 education or equivalent. English 10, Math 10, Science 10. High school graduation is preferred.</p>	<p>Register through BCIT Apprentice Services: Tel.: 604-456-8100 Toll-free: 1-800-667-0676 E-mail: apprentice@bcit.ca</p>
NAUTICAL SCIENCES – DIPLOMA OF TECHNICAL STUDIES (2535)			
<p>Full-time – 4 years</p> <p>Cooperative Education</p> <p>Starts in September</p>	<p>Learn the academic and practical skills associated with water transport ships or self-propelled vessels that transport passengers and cargo over oceans as well as coastal and inland waters. Careers: Navigation officer, watchkeeping officer, first mate, second mate, ship's mate, ship pilot, ferryboat master, tugboat captain, master mariner, ship's captain, third mate.</p>	<p>High school graduation. Technical and Professional Communications 12 (P) or English 12 (P), Principles of Math 11 (C), Introductory Math 11 (C), Applications of Math 11 (C) or approved equivalents. BCIT pretest will meet English and Math requirements. Physics 11 or Chemistry 11 is recommended. Pass, to Transport Canada standards, a medical, hearing, and eyesight test. This test must be conducted by a Transport Canada-approved doctor. Interview. Note that acceptance into the program does not constitute a guarantee by BCIT that a shipping company will provide a berth for the co-op terms. Sign a waiver.</p>	<p>Application Processing: Oct. 1 until the program fills. Applications are considered for specific intake.</p>
POWER EQUIPMENT MECHANIC ELTT – CERTIFICATE OF TRADES TRAINING (2340)			
<p>Full-time – 34 weeks</p> <p>Multiple start dates each year</p>	<p>Power equipment mechanics must be very versatile due to the wide variety of equipment they must service. Typical equipment serviced or repaired by power equipment mechanics includes: compressors, water pumps, chainsaws, ATVs, snowmobiles, personal watercraft, and lawn and garden equipment. Careers: Jobs can be found in retail outlets, service centres, equipment rental shops, or the mechanic may become self-employed. Opportunities are available throughout BC.</p>	<p>High school graduation. English 12 or Communications 12, any Math course at the Grade 11 level (Accounting 11 is not acceptable for Math). BCIT pretest is acceptable for English and Math. Good physical condition is desirable.</p>	<p>Application Processing: Ongoing, throughout the year. Applications are wait listed (first-come, first-served).</p>
RAILWAY CONDUCTOR – INDUSTRY PARTNERSHIP CERTIFICATE (2075)			
<p>Full-time – 32 weeks</p>	<p>Conductors work as members of a train crew in either road or yard service. Conductors are involved with switching cars, making or splitting up trains in yards, or moving cars between yards, sidings or tracks according to instructions originating with yard and train planners. Careers: The railway industry will be facing retirement turnover as high as 70% over the next 10 years, increasing demand for graduates. This program prepares graduates for employment in Class 1 railways in North America, and also shortline and regional carriers.</p>	<p>High school graduation or equivalent. English 12 (P) or Communications 12 (P). Academic Math 11 (C). BCIT pretest is acceptable for English and Math.</p>	<p>Application Processing: Ongoing, throughout the year. Applications are wait listed (first-come, first-served).</p>
WAREHOUSE PERSON / EQUIPMENT OPERATOR – ASSOCIATE CERTIFICATE (1690)			
<p>Full-time – 12 weeks</p> <p>Multiple start dates each year</p>	<p>Learn to use material handling equipment used in warehousing as well as a basic understanding of how a warehouse works. Emphasis on shipping, receiving and order picking procedures. Careers: Find work in a wide range of entry-level positions in wholesale, retail, and building material warehouses; and in the manufacturing and trucking industries.</p>	<p>Grade 10 education. English 10 and Math 10. BCIT pretest is acceptable for the English and Math. Valid BC driver's licence preferred.</p>	<p>Application Processing: Ongoing, throughout the year. Applications are wait listed (first-come, first-served).</p>
WATCHKEEPING MATE RESTRICTED (WKMR) – CERTIFICATE OF TECHNICAL STUDIES (2541)			
<p>Full-time – 21 weeks</p>	<p>This program prepares the participant for all Transport Canada examinations leading to the Watchkeeping Mate Restricted Certificate of Competency which qualifies the holder to carry out duties as a second mate of any vessel within Local Trade voyage limits, or first mate of a vessel not exceeding 350 tons or a tug of any size, within Local Trade voyage limits.</p>	<p>English language proficiency. Grade 10 Math recommended. 24 months sea service assessed by Transport Canada. Completion of: valid SIM 1, Marine Emergency Duties training MED A-1, B-1, B-2, and C, Marine Advanced First Aid, a Restricted Operator's Certificate.</p>	<p>To register, contact the Registration Office at BCIT Marine Campus: Tel.: 604-453-4111 Fax 604-985-2862</p>

Exploration and Preparation

FRESH START (TRADES UPGRADING PROGRAM) – STATEMENT OF COMPLETION (0050)

Full-time - 19 weeks

Multiple start dates each year

This program provides students with the math, physics, computer and communication skills to succeed at BCIT and beyond. It is structured so that students move into entry level trades training after completing Fresh Start with minimal breaks in training.

This program will accept students who have written the BCIT pretest for Trades and have a referral from the department.

Application Processing:
Ongoing, throughout the year.
Applications are wait listed
(first-come, first-served).

TECHNOLOGY ENTRY (TE) (0090)

Full-time - 15 weeks

Starts in September, January
and April

This day school program provides academic upgrading to students who wish to register in Engineering, Electronic and some Health Sciences programs at BCIT. It is for those who want solid academic preparation before entering BCIT and those who are missing 2 or more prerequisites for a BCIT program.

English 11 (P), preference given to applicants with English 11 (C); Principles of Math 11 (C) or Academic Math 11 (C) or Applications of Math 11 (B). All entrance requirements for this program must have been completed within eight years of the application date. Additional assessment of student applications is required for some programs. Coursework outside the TE program and/or personal interviews may be required before provisional acceptance is offered.

Application Processing:
September intake:
Oct. 1 until program fills.
January intake:
June 1 until program fills.
April intake:
Oct. 1 until program fills.
Applications are considered for
a specific intake.

TRADES DISCOVERY (GENERAL) – STATEMENT OF COMPLETION (0060)

Full-time - 20 weeks

Multiple start dates each year

This program prepares men and women to successfully enter and complete a trades training program. On completion, the students can evaluate their suitability for working in the trades, determine the trade they wish to pursue, work safely in the shop and on a construction site, use hand and power tools, and participate effectively in trades training at BCIT.

High school graduation or GED BCIT. Pretest is acceptable for Math and English. Interview.

Application Processing:
Ongoing, throughout the year.
Applications are wait listed
(first-come, first-served).

TRADES DISCOVERY FOR WOMEN – STATEMENT OF COMPLETION (0075)

Full-time - 20 weeks

Multiple start dates each year

This program prepares women to successfully enter and complete a Trades Training program. On completion, the women can evaluate their suitability for working in the trades, determine a trade they wish to pursue, work safely in the shop and on a construction site, use hand and power tools, and participate effectively in Trades Training at BCIT.

High school graduation or GED BCIT. Pretest is acceptable for Math and English. Interview.

Application Processing:
Ongoing, throughout the year.
Applications are wait listed
(first-come, first-served).

Application information



If you're ready to apply for a program at BCIT, there are a few things you need to know. The following pages explain the procedure for applying, what you will need in order to be accepted into a program, and what you can expect from the application process.

General information

BCIT establishes admission guidelines to promote student success in our programs. Most programs require Grade 12 graduation with specific Grade 11 and Grade 12 subjects. Grade 10 is the minimum entrance requirement for some programs; however, employers may require Grade 12 graduation as a condition of employment.

See pages 1 to 30 of this program guide for detailed admission requirements for your specific program. The most up-to-date program details are also available online at www.bcit.ca.

Do you have what it takes?

When applying, you must provide proof that you meet BCIT academic prerequisites and all other entrance requirements, as identified by the program to which you are applying. Details are available online at <http://programs.bcit.ca>. Applicants lacking specific prerequisite courses or required grades will be advised of deficiencies in entrance requirements. It is each applicant's responsibility to upgrade to meet the required standards for the programs for which they are applying. International students should check with BCIT International regarding admission requirement equivalencies.

Alternatives to High School Diploma

The General Education Development (GED) or the Basic Training for Skills Development Level 4 (BTSD 4) are considered equivalent to Grade 12 graduation with English 12 (P). GED Math is equivalent to Math 10.

The BC Adult Graduation Diploma is considered equivalent to high school graduation. Applicants should check with Admissions to ensure courses taken through the BCAGD are acceptable for admission to specific BCIT programs.

Upgrading Options

Preparatory programs are available for those students who lack specific prerequisites or who desire refresher courses.

Pre-Entry Courses are individual day or evening courses available for students who lack a specific prerequisite course required for the program to which they are applying.

Technology Entry (TE) is a 15-week, full-time, day-school program that provides academic upgrading for students who wish to apply for Engineering Technology, Electronics and some Health Sciences programs at BCIT.

Fresh Start is a full-time technical literacy program that provides academic upgrading in an applied setting for students who wish to enter a trades/ technical program at BCIT. Fresh Start provides training in applied math, physics, communications, computers, and study skills.

Application Processing

All applications are considered promptly and equitably. Applicants will be considered for one program at a time. Applications are processed for first choice programs, then transferred to the second choice program (if one has been indicated), in the event that an applicant is not accepted into the first choice program.

When all seats in a program are filled, a wait list of qualified applicants is created. If a space becomes available, an applicant on the wait list will be offered the seat.

Wait Lists and Specific Intakes

There is a special admissions process for those programs identified as 'wait list' in the Application Details section of the program guide. For these programs, once they become full, complete applications are placed on a wait list (on a first-come, first-served basis) for the next available seat.

An "intake" refers to each time a program takes in new students. The programs identified as 'specific intake' in the Application Details section of the program guide are not wait listed. When the program becomes full, the applications that were not accepted are not transferred to subsequent intakes. Instead, those individuals who still want to take the program must re-apply for the next start date. If applications exceed available seats, BCIT will select those applicants deemed to have the best opportunity for success.

Priority of student selection

- First priority: BC residents who are Canadian citizens or landed immigrants who have lived in BC for the 12 months immediately prior to enrolment.
- Second priority: Out-of-province Canadian citizens or landed immigrants, or BC residents who are Canadian citizens or landed immigrants who have lived in BC for less than 12 months immediately prior to enrolment.
- Third priority: Given to applicants without Canadian citizenship or Landed Immigrant (Permanent Resident) status.



Application information

English Language Proficiency

All BCIT students must possess an acceptable level of English language skills. If your first language is not English and/or you have not met an acceptable level of English as required by BCIT and the program to which you are applying, you will be required to demonstrate that you have attained an acceptable level of English proficiency. This can be done in one of the following five ways.

- By individual assessment by the BCIT Communication department. Once your application has been reviewed, the Admissions department may recommend assessment by the BCIT Communications department. This may require completing the English Language Competency Test. To write this test, you must have received approval from the Admissions department.

To register, you must take the form, which is provided by the Admissions department, to the Registration and Information department in person. The course you will register for is COMM 0015. The course (test) assesses three English language components: grammar, reading comprehension, and written composition.

- By successfully completing a BCIT Pre-entry Communications course.

For COMM 0005 or 0008, the scores required to satisfy prerequisites are:

- For English 12, B or better, you must achieve 80% or better.
- For English 12, C+ or better, you must achieve 75% or better.
- For English 12, C or better, you must achieve 70% or better.
- For English 12, P or better, you must achieve 65% or better.
- If English 11 is required, you must achieve a mark of 50% or better in COMM 0005 or 008, or a mark of 75% or better in COMM 0004.

- By successful completion of an approved, equivalent English or Communications course at another institution, with the entry grade required for the program you have applied for. To determine approved equivalents, please contact BCIT Registration and Information at 604-434-1610 and ask to speak to a program advisor.

- By successfully completing the Vancouver Community College English Language Assessment Test (for second language speakers only). The scores to satisfy prerequisites are:
 - For English 12, B, a minimum score of 160 is required.
 - For English 12, Pass to C+, a minimum score of 145 is required.
 - For English 11 or Communications 12, a minimum score of 135 is required.
 - For English 10 a minimum score of 125 is required.
- By successfully completing the Test of English as a Foreign Language (TOEFL) and Test of Written English (TWE). Many programs also require the Test of Spoken English (TSE).

For English Level Required	TOEFL equivalent paper-based score of:	TOEFL equivalent computer-based scores
English 12 (B or better)	TOEFL 580+ and TWE 5.0+ and TSE 50+	240+ and essay rating 5.0+ and TSE 50+
English 12 (Pass to C+)	TOEFL 550+ and TWE 4.5+ (some programs require TSE 50+)	220+ and essay rating 4.5 (some programs require TSE 50+)
English 11 or Communications 12 or English 12 ME	TOEFL 550, TWE not required	175+

- Complete the International English Language Testing System (IELTS) – academic stream. For more information on this option, please call Registration and Information at 604-434-1610 and ask to speak with a program advisor.
- Trades Admission Assessment Test (Pre-test). Some trades programs allow applicants to write this test. Please see the next page for more information on this option.

Application information



Trades Admission Assessment (The BCIT Pretest)

Many trades and technical studies programs allow applicants to challenge admission requirements by completing entrance examinations for English, Math, and Mechanical aptitude. Check program entrance requirements to see if 'BCIT Pretest' is acceptable for the program to which you are applying. Applicants writing the test will be charged \$35 for each subject tested, to a test fee maximum of \$70. Those needing or wanting to write three or more tests will only be charged \$70. The fee includes an opportunity for one re-write if required, within two months of the initial testing. For more information, please visit www.bcit.ca/Admissions/Registration/ft/pretestTrades.shtml.

BC high school course details

Courses taught in BC high schools are acceptable as entrance requirements, as follows. Check your program's admission requirements for the specific math courses that are accepted for your program. This information can be found in the program guide in this publication or on the Program Finder at <http://programs.bcit.ca>.

Requirement	Acceptable (unless otherwise specified)
English 12	English 12 or Technical and Professional Communications 12
English 11	English 11 or Technical and Professional Communications 11
Communications 12	English 12 or Technical and Professional Communications 12 or Communications 12
Math 12	Principles of Math 12 or Applications of Math 12
Math 11	Principles of Math 11 or Applications of Math 11
Any Math at the Grade 11 Level	Principles of Math 11 or Applications of Math 11 or Essentials of Math 11 or Intro to Math 11 or Trades Math 11 or Consumer Math 11 or Math 11A
Physics 12	Physics 12
Physics 11	Physics 11 or Applications of Physics 11 and 12

All dollar figures cited are in Canadian funds.

Mature students

If you have not graduated from high school, you may still be considered for admission as a mature student. Mature students will be considered on the basis of their relevant experience in addition to meeting BCIT's English Language requirements and any specific course prerequisites required by the program. Applicants must supply academic documents and proof of relevant experience to support their application.

Credit for previous post-secondary education

BCIT offers two ways in which you may receive credit for course work completed at another post-secondary institution.

1. Individual course transfer credit – if you believe you have completed the equivalent of some courses in your BCIT program at another institution, you can apply for individual course transfer credit. You must be accepted into the BCIT program before you can apply for this credit. Applications for Transfer Credit are available through Student Records at 604-451-6959. Students wishing to apply for transfer credit must provide official transcripts to support the request for credit. Photocopies are not acceptable. If transfer credit is granted, you will have a lighter course load; however, the duration of your program will not be shorter. To be eligible for scholarships and graduating awards, you must carry a 100% course load in your full-time program at BCIT.
2. Advanced Placement – Advanced Placement refers to the entry of students to any level of a program beyond Level One, where advanced standing is given when standard course requirements are recognized as having been completed elsewhere or previously. Advanced Placement applicants may apply to any level in the program beyond Level One, but they may also apply to combinations of courses in multiple levels. In most cases, advanced standing will only be granted where an applicant can show evidence of successfully completing an acceptable equivalent for every single course in the preceding level(s). For more information, phone 604-432-8230 or visit www.bcit.ca/advancedplacement

Other credit for knowledge gained

Prior Learning Assessment Recognition (PLAR) – Many individuals have acquired skills and knowledge that are relevant to their fields of study but that are not acknowledged in formal academic credentials. Examples include those who have extensive on-the-job training or learning that does not qualify for transfer credit. BCIT provides the opportunity for these individuals to demonstrate their expertise and to receive credit where appropriate. For more information, contact the PLAR coordinator at 604-451-7023.



How to apply

How to Apply

Here's a step-by-step guide to the application process at BCIT. Please note the additional information on Document Requirements, below.

1. Apply.

Submit your application online at www.bcit.ca. You can also submit a paper application, available online at www.bcit.ca/download/forms, at your local school or college, or through Registration and Information (tel. 604-434-7610).

Pay the application fee – \$60 for Canadian citizens and landed immigrants; \$250 for international applicants.

All dollar figures cited are in Canadian funds.

2. Meet the entrance requirements.

To be eligible for admission, you must meet the academic prerequisites and all other entrance requirements, as identified by your desired program. You can still apply if you are currently upgrading to meet entrance requirements. If you are unsure whether you meet all requirements, submit your application and the Admissions department will notify you if you are missing any requirements.

3. Submit required documents.

Either with your paper application, or following your online application, send documents to the Admissions department that show you meet the entrance requirements (academic and non-academic) for your desired program.

4. Receive confirmation from BCIT Admissions.

You will receive a letter confirming receipt of your application within four weeks of your submission. Once a decision on your application has been made, you will receive written notification from the Admissions department.

5. Check your application status.

Go online to www.bcit.ca and click on the Prospective Student section, then on Full-time, then on Check Your Application Status. Or, call BCIT Admissions at 604-432-8419. Remember to always keep your contact information up-to-date.

Need help?

If you have any questions during the application process that are not answered here, please call Program Advising at 604-434-1610 or the Admissions department at 604-432-8419.

Document Requirements

You must submit transcripts showing you meet the academic requirements identified by the program of choice. If you do not have official transcripts, attach photocopies so processing can begin.

Other documents may be required, such as a resume, letter of intent, or a copy of your driver's licence.

Current high school students

Ask your Principal's Office to provide you with your marks for the courses you have completed, interim marks for courses you are presently attending, and a list of courses you plan to take in the future. Arrange to have your final official transcript sent directly to BCIT as soon as your courses are complete. Interim and final transcripts from the Ministry of Education may arrive at BCIT later than required. It is important that you submit your own copies of interim and final marks as soon as you receive them from your high school.

High school graduates

If you have graduated from high school, you should submit your final official transcripts as proof of having completed the entrance requirements for your program.

College or university students or graduates

If you are currently attending or have previously attended a post-secondary institution, you should submit your high school transcripts along with official post-secondary transcripts to show you meet the entrance requirements for the program you have chosen.

Mature applicants

You must supply academic documents that show you have met BCIT's English Language requirement and the individual subject prerequisites. Also include proof of relevant experience to support your application.

Applicants currently upgrading

If you are attending or planning to attend courses that are prerequisites for your desired program, you must include proof of registration with your application. It is essential that you keep the Admissions department informed of your progress by sending interim transcripts or an official note from the course instructor. Upon completing the courses, arrange to have your official transcripts sent to the Admissions department. If you are upgrading courses at a college, be sure to check with Program Advising for the equivalent course numbers accepted by BCIT.

Out-of-province applicants

If you attended a secondary school in another Canadian province or territory, you should submit your final transcripts.

Out-of-country applicants

If your education was completed in another country, submit official high school and post-secondary transcripts from the schools you attended. Official English Translations must accompany documents that are in another language. Costs for translations into English are the responsibility of the applicant.

Please note that applications from international students must arrive at the BCIT Admissions department two weeks earlier than stated for each program.

Glossary

A guide to the Path Finder terminology

Computer literacy – knowledge of MS Office, including Word and Excel, a Web browser, and an e-mail package.

Current immunizations – applicants must have current immunizations. We strongly recommend hepatitis B vaccination, which is available through BCIT Medical Services at no cost to the student.

Interview – for most programs that require an interview, short-listed applicants are invited for an interview with program faculty or staff after their initial application has been reviewed.

Letter of Intent – a short essay, approximately 500 words, that details your work and volunteer history, career goals, and reasons for choosing your program. Individual programs may request additional information.

Medical form – applicants must undergo a medical examination by a qualified physician, and submit a form provided by the Admissions department, showing the results of this exam. The required forms (as mentioned) will be provided once an application has been received and processed.

Resume – an outline of your work and volunteer experience, as well as community involvement.

Satisfactory health/good physical condition – applicants should have sufficient physical strength, stamina, and attributes to meet the demands of the work in their chosen field. Potential students with medical or physical difficulties should contact the Disability Resource Centre.

For more information on programs and their admission requirements, contact a Program Advisor through their Web site at www.bcit.ca/askadvisor, by phone at tel. 604-434-1610, or call for an in-person appointment.

British Columbia Institute of Technology
3700 Willingdon Avenue, Burnaby,
British Columbia, Canada V5G 3H2
Tel: 604-434-1610 E-mail: infoereg@bcit.ca
www.bcit.ca



An investment in your future

Pursuing a post-secondary education requires thoughtful planning and saving. However, it's an investment in your future that pays off. Have a look at your options for financing your education, and examine the possible costs so you can better prepare for a program of study at BCIT.

Estimated costs of attending BCIT

The costs you will encounter as a student will depend on your program of study. You will be required to pay tuition fees, purchase books and supplies, and cover your living and transportation costs.

Estimated tuition fees (including student activity fee and student health plan fee)

Average annual cost of a two year diploma program \$4,300

Average cost of a 3–6 month certificate program \$1,800

Average cost of a 7–12 month certificate program \$3,600

Average cost of apprenticeship training \$550
(based on 6 weeks of training)

Average annual cost of a full-time degree program \$5,000

Note: The estimated tuition fees are current at the time of printing. For specific and up-to-date tuition costs, visit www.bcit.ca/fees.

Cost for books and supplies

In addition to tuition fees, you will be required to pay for textbooks and supplies which may include things like a lab coat, software, drafting tools, a calculator or perhaps a stethoscope. For detailed information on the costs of books and supplies for your program, please see the Program Finder at <http://programs.bcit.ca>.

Living expenses

While attending BCIT, you will encounter expenses in addition to your tuition fees and books and supplies, including: accommodations (on- or off-campus),

utilities, phone, food, transportation, and clothing. For help estimating your budget, use the Student Financial Planner on the Human Resources Development Canada, CanLearn interactive Web site at www.canlearn.ca.

Financing your education

There are many sources of financial assistance available to help make your educational dream a reality. The Student Financial Aid and Awards office helps students identify and access these sources.

Assistance programs for full-time students in credential programs include:

- Entrance awards
- Government subsidized student loans and grants
- Tuition fee deferrals
- Emergency funding
- Bursaries
- Scholarships
- Graduating awards

There are many awards available for prospective students. Notably, two of them are:

President's Entrance Award – Each year, up to 60 awards equivalent to one year's tuition (maximum \$2,909) will be presented to students entering a full-time BCIT program directly from BC secondary schools.

BCIT Alumni Association Entrance Award – Each year, up to four awards will be available for selected students, based on academic performance. This endowment, provides one year's tuition (maximum \$2,909) for those who are coming to BCIT after taking one or more years since secondary school for activities such as work, or attending another post-secondary institution.

For detailed criteria on these and other awards, visit www.finaid.bcit.ca.

All dollar figures cited are in Canadian funds.



“Receiving the President's Entrance Award allowed me to be more relaxed and less stressed about paying for school. The education that I'm receiving at BCIT is preparing me well for the workplace, in both a practical and theoretical manner. The instructors also make the experience at BCIT better by being dependable and available for extra help.”

*Parin Patel
Second year,
Computer Systems Technology*

Contact Student Financial Aid and Awards

Web: www.finaid.bcit.ca
Tel: 604-432-8555
Office: SW1, Room 2303 on the Burnaby campus. Open 8:30 a.m. to 4 p.m. from Monday to Friday.





During your studies at BCIT, you'll certainly have your hands full. A BCIT education combines theory with hands-on training, in small classes with industry-experienced instructors. Through applied learning at BCIT, you'll develop the theoretical knowledge relevant to your chosen discipline and the practical skills you need for career success.

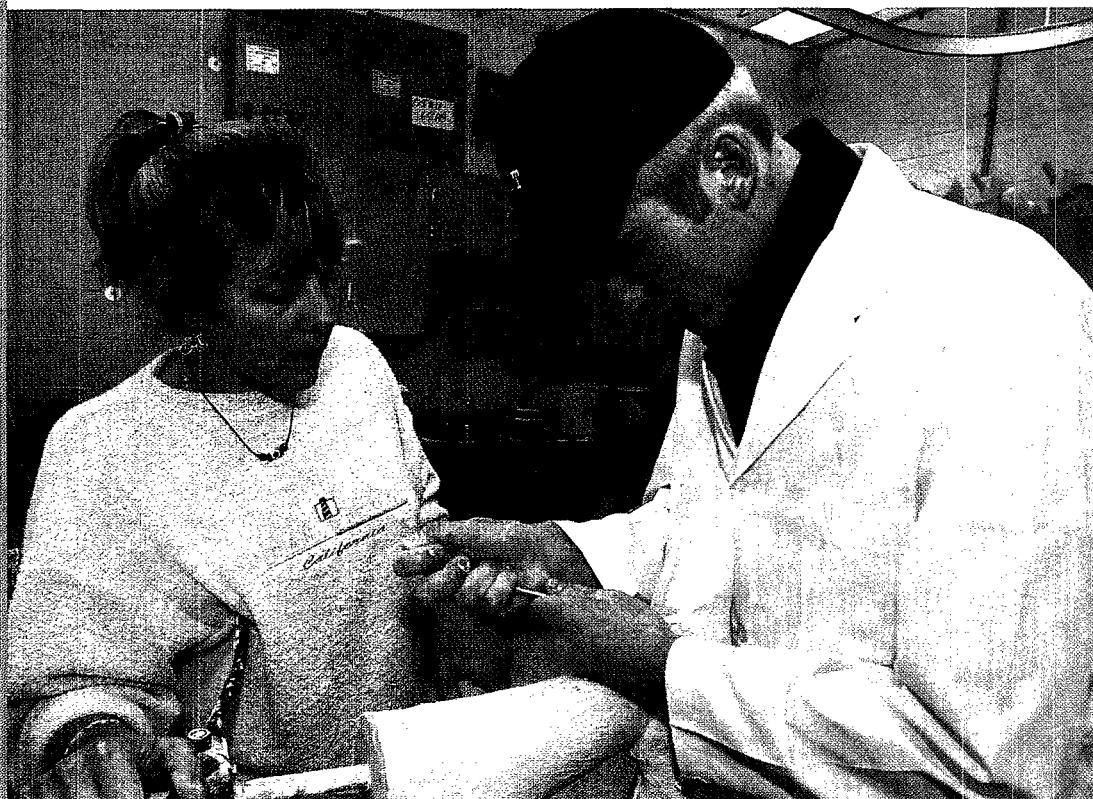
There are many different types of learning activities and formats that BCIT students participate in during their education. For a better idea of what you're in for, read on.

Classroom – You'll spend a little more than half your time in a classroom. Most classes are quite small with 16 to 30 students per class. Some programs feature lectures with 75-150 students per class, two to three times per week. During classes, you will benefit from lectures, class discussions, and demonstrations.

Practical projects in a BCIT lab or shop – Approximately half of your time is spent in a lab or shop putting into action what you've learned in the classroom. By completing projects, you'll practise the skills you'll need when you enter the workforce.

Teamwork – A BCIT education emphasizes teamwork. Students work in groups of two to 10 on assignments and projects. As a result, you'll develop outstanding teamwork, interpersonal and communication skills, which are critical to success at school, work, and play. Working with others also makes learning fun – you'll share ideas, receive help when you need it, and learn from helping others.

Clinical training – Students in health sciences programs complete supervised clinical training in hospitals throughout the province. If you're a student in one of these programs, you'll receive an opportunity to





Learning at BCIT



practise what you'll be learning at BCIT, and obtain practical experience in the environment you'll be working in after you graduate.

Industry-sponsored projects – The reputation of BCIT students is well established and there are many companies eager to benefit from the skills and know-how of those enrolled in BCIT programs through sponsored projects. In such a project, you'll be teamed up with companies in industry to complete a project, solve a problem, or participate in an internship. This will give you an opportunity to apply what you've learned at BCIT, develop new skills, get real experience, and build working relationships with mentors and other people in the field who will be useful contacts later.

Cooperative Education – Cooperative education (or co-op, for short) involves work placements that integrate high quality training with community and industry interaction. It is a three-way partnership between the student, the employer, and BCIT. If you participate in a co-op program, you will develop more realistic career expectations, a stronger work ethic, and better interpersonal skills. Paid co-op work terms could also help you finance your education. Employers benefit from the availability of short-term, enthusiastic employees who are able to make an immediate contribution to their organization.

We have been participating in cooperative education at BCIT for 11 years. We find the students to be friendly, enthusiastic, appreciative, and dedicated. Our team members are continually impressed by the students, and find them to be of significant help in their work. Many have gone on to apprenticeships at Creo and at other machine shops. We look forward to continuing to participate in the Co-operative Education program.

*Guy Walton,
Machine Shop Manager
Creo Inc.*



High quality instruction

BCIT instructors are approachable and care about the success of their students. In addition to academic credentials, BCIT instructors have extensive industry experience, which makes learning from them both interesting and relevant. They will get to know you and your fellow students by your first names and will make time to work one-on-one with you, giving you the highest quality education available.

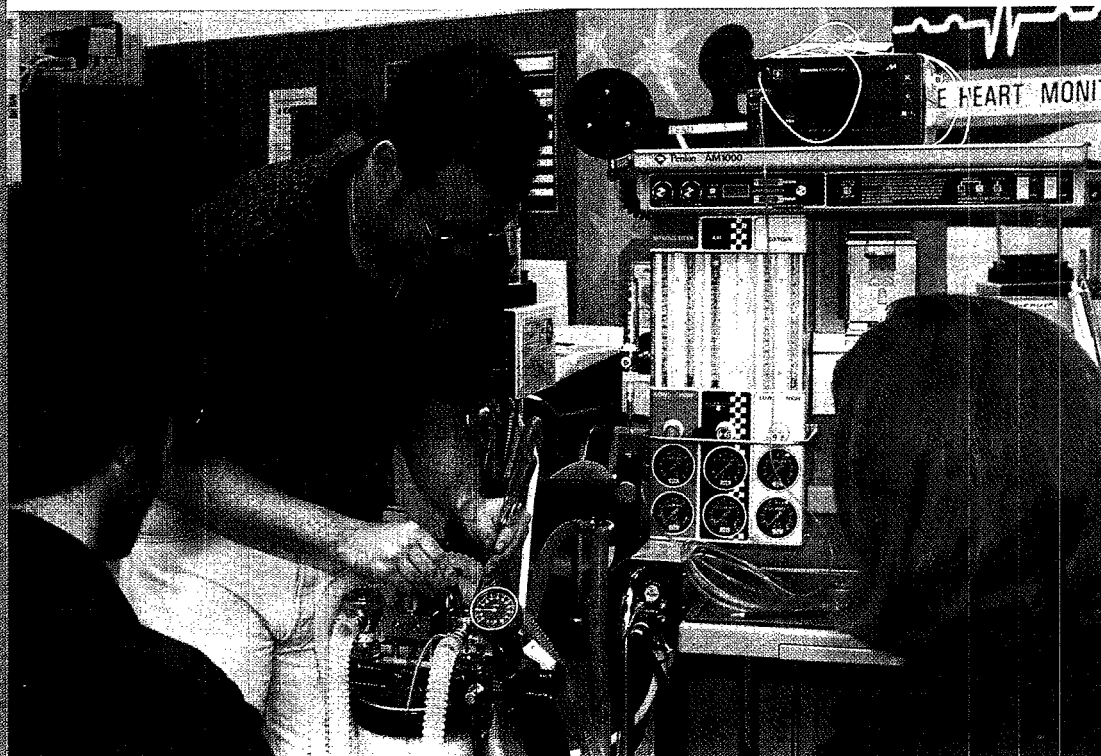
Small classes set the tone

BCIT's learning environment sets the tone for its overall culture. BCIT has small classes where everyone gets to know each other quickly, and well. The small classes create a comfortable learning environment and give you the opportunity to work closely with instructors and classmates. Through this, you will establish a network of colleagues and friendships that last a lifetime. You will also have easy access

to lab and shop equipment, which means more opportunities to learn by doing and to develop the skills you'll need to ensure career success.

Intensive programs

BCIT's programs are demanding and the workload will keep you busy. Depending on your program, students spend from 25 to 30 hours per week in classes, labs, or shops. And don't forget about the homework. For every hour of in-class time, students spend half an hour to one and a half hours outside of class working on assignments and projects. There's a good side to this, though: you will develop strong organizational and time management skills, and your work ethic will be well tuned. Plus, you'll learn a great deal in a shorter amount of time. If you think you're ready for the adventure, BCIT may just be the place where you'll thrive and begin a lifelong career in your chosen field.





Making time for play

Don't forget that BCIT is more than work. Participating in extra-curricular activity reduces stress, increases your circle of friends and contacts, makes your life interesting, and gives you energy to work harder in your studies.

BCIT is committed to providing a campus lifestyle that has lots to keep you occupied, fit, and entertained.

You're encouraged to get involved with student orientation, clubs, team sports and other recreational activities, social events, and anything else you may be interested in. The reward is in the activity itself, but you never know what else it might lead to.

Orientation

Your first day at BCIT is one you'll never forget: the intensity and excitement, the bustle of activity,

finding classes and meeting people who will soon become your friends. On this day you will apply for your student card, receive your timetable, and explore the campus. Through Orientation activities, BCIT students are introduced to the people, departments, and services that will make their experience here successful and fun.

Recreational Activities

What's your game? Hockey? Basketball? Maybe Ultimate Frisbee? At BCIT, there are dozens of recreational activities to keep you fit and energized. Through Recreation Services, you can join an intramural league and play co-ed volleyball, flag football, non-contact ice and floor hockey, 3-on-3 or 5-on-5 basketball, indoor soccer, and more.

"Many people come here expecting to study hard for two solid years, which is true; however, BCIT also offers great venues for students to relax. We have a newly renovated pub and in Recreation Services, there are activities to help relieve stress like our climbing wall and Fit Pit weight room."

*Elfina Luk
Second Year,
Radio Broadcasting*



Clubs

Want to meet people who like the same things you do? Join a recreational club. These clubs provide you with recreational opportunities that balance out your study time, and provide you with skills you'll always have, even after graduating. Some of the clubs that are currently active include the Tech Towers Climbing, Chess, Archery, and Outdoor clubs. For up-to-date and complete information, visit the Recreation Services Web site at www.recreation.bcit.ca

There are also lots of drop-in sports, including volleyball, basketball, badminton, squash, racquetball, and others. Our recreation department also boasts a climbing wall to help you get limber. The Fit Pit features a full selection of weight machines and free weights, plus computerized cardio equipment to get you in gear.

But that's not all. The Recreation department also schedules lots of special classes such as sea kayaking, archery, scuba diving, dance, aerobics, kick-boxing, and more.

Student Organizations

You don't have to be an athletic superstar to get involved at BCIT. There are several student organizations that are just as much fun as the sports clubs (and not as sweaty).

Student Association (SA) – BCIT's Student Association is a collection of committed students advocating for students. They also provide services which are student-centred, responsive, and pro-active in supporting and enhancing the quality of student life. You are encouraged to run for executive positions during elections in the Spring of every year.

BCIT Board of Governors – While not a student organization, per se, the BCIT Board of Governors does have two seats for two elected student representatives each year. This is an essential and distinguished opportunity to serve your fellow students and represent them to the key decision makers at BCIT.

BCIT Marketing Association (BCIT MA) – The BCIT MA is an accredited collegiate chapter of the American Marketing Association. In

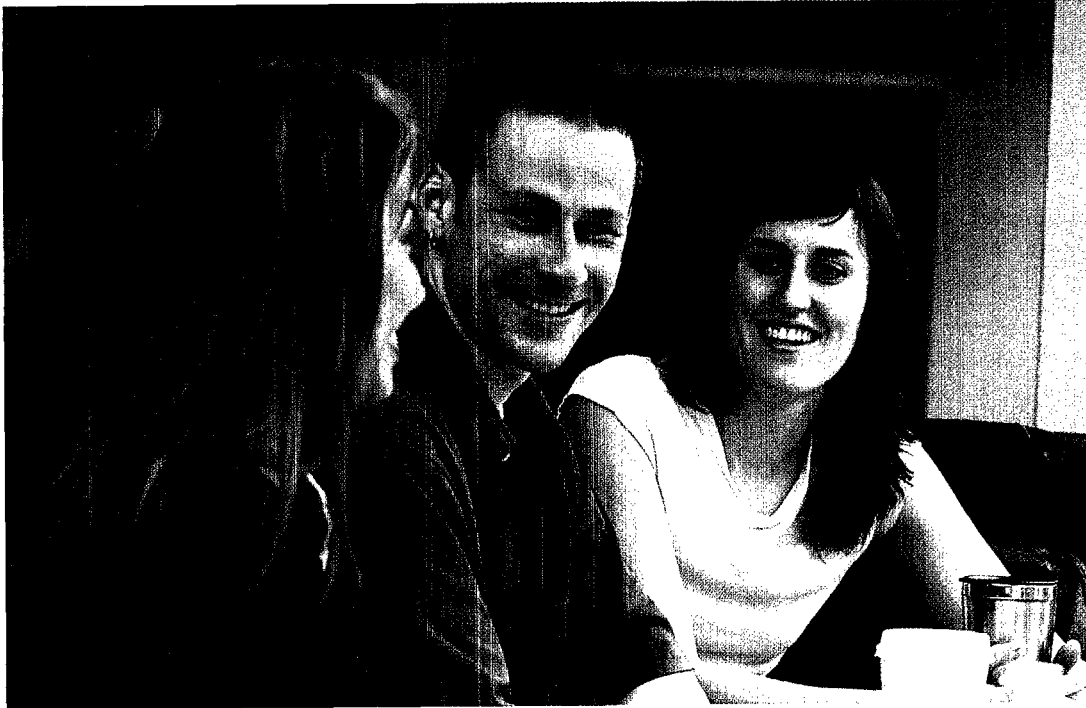
recent years, the BCIT MA has captured numerous awards and recognition internationally at the American Marketing Association's Annual Collegiate Conference.

ACE BCIT (Advancing Canadian Entrepreneurship) – A national organization dedicated to fostering entrepreneurship in Canadians. Members achieve this through the partnership of experience and outreach-driven entrepreneurship programs.

Association of Interactive Marketers (AIM) – A collegiate chapter of the British Columbia Direct Marketing Association (BCDMA) devoted to adding value to the education of BCIT Marketing students through exposure to the direct marketing industry.

Take Pride – This club provides a home base for gays, lesbians, bisexuals, transsexuals and friends at BCIT. This is a place to meet new friends, gather information, help organize activities and events, and help BCIT to embrace all aspects of its diverse community.





Toastmasters – Are you afraid of speaking in front of large groups of people? Toastmasters Club will help you elevate your public speaking to perfection.

The Link – A bi-weekly newspaper that supplies news about upcoming events and issues that are important to students. Working at *The Link* is not only fun and helps you to meet new people, but you'll gain valuable publishing or journalism experience and learn more about your community.

Campus Environments

Each of BCIT's main campuses has its own special atmosphere and plenty of amenities. Whether you are at the Aerospace Technology Campus near the airport, the Marine Campus in North Vancouver, the Downtown Campus, the Great Northern Way Campus, or the main campus in Burnaby, you will find what you need.

More on student life

Living on campus – The Burnaby campus is also home to the Maquinna Residence. For more information, visit the Student Services section on page 23.

CFML – BCIT has its own radio station (CFML) which you can listen to over live Internet streaming or on cable radio.

Transportation – BCIT's five campuses are well connected to TransLink bus and SkyTrain lines. Visit www.translink.ca or call 604-953-3333.

Students are encouraged to use public transportation and car pools whenever possible. However, pay parking is available on a first-come, first-served basis for those who drive.

Events

There is always something happening at BCIT. By getting involved in the special events that run throughout the year, you'll have some fun and take your mind off your studies for a few hours. Some notable events include:

Faulty Towers – Teams use 4x6" (10x15 cm) index cards and masking tape to build towers for cash prizes. The record height is 23'6" (7.17 m)!

Quintathlon – Teams of seven canoe, run, swim and mountain bike for cash prizes.

The Amazing Race – The Amazing Race is a fundraising event for cystic fibrosis research that occurs in early September, during Fall term start-up. Students and faculty team up to compete against each other, and have several opportunities to win bonus points for great prizes.



BCIT is not just a place to go to school; it's a community with dedicated staff, resources and facilities to meet your needs and help you with problems that may arise. BCIT has five campuses in the Lower Mainland and several satellite locations around BC. All together, we make a community. We hope you'll become part of it.

Program Advising

Program advisors help prospective students by providing information on BCIT and its programs through e-mail, by phone and in person. They'll tell you what you need to know about programs, academic requirements, upgrading, application process, how to strengthen an application, program costs, trades wait lists, program start dates, pre-test information, entry-level salaries, job placement rates, and more. Please contact us by e-mail, phone, or call for an appointment.

www.bcit.ca/askadvisor

Tel.: 604-434-1610

BCIT OneCard

The OneCard is an all-purpose student ID card, issued by BCIT and the Student Association. The card combines identification with on-campus debit privileges and access to off-campus retail discounts, among other benefits. Cards are valid for one year from date of issue. Pictures are taken and cards are issued at the start of each term. Full- and part-time students will be charged a \$2.50 per term fee to a maximum of \$5 annually. There is a \$10 charge for replacement cards.

Tel.: 604-451-6890

e-mail: OneCard@bcit.ca

www.onecard.bcit.ca

BCIT Library

The BCIT Library includes the Burnaby Campus library as well as specialized libraries at the Marine Campus and the Aerospace Technology Campus. The Burnaby Campus library houses a wide variety of books, periodicals, technical reports, course outlines, videos, and





maps. You'll find specialized collections of legal materials, standards, Statistics Canada, and government publications. The Library also has the latest in computerized information and resources, including an online Library Catalogue System, electronic indexes and full text databases, e-journals, e-books, e-reserves, and Internet access.

Tel.: 604-432-8557
e-mail: library@bcit.ca

Bookstore

The BCIT Bookstore is fully stocked with required books, software, stationery, and other items. The BCIT Bookstore is also online for off-campus shopping. Find it at www.bookstore.bcit.ca.

Tel.: 604-432-8379
e-mail: bookstore@bcit.ca

Student Housing

On-campus housing

Maquinna Residence is located on the BCIT Burnaby campus. The residence accommodates 336 students. All rooms in residence are single rooms, configured in townhouse-style clusters. Students prepare their own meals in the shared kitchens, or use BCIT's full service cafeterias on campus.

Once you have been accepted into your program, the BCIT Admissions Office will send you a booklet entitled "Preparing for BCIT", in which there is an application form for Maquinna Residence.

Off-campus housing

Comprehensive lists of off-campus accommodation are available on the BCIT Housing Web page at www.housing.bcit.ca. You can have

listings of short-stay accommodations mailed or faxed on request by contacting the Housing Office.

Tel.: 604-432-8677
e-mail: housing@bcit.ca
www.housing.bcit.ca

Medical and Counselling Services

Medical Services operates a regular medical drop-in clinic staffed by physicians and nurses. A physiotherapist and psychiatrist are also available.

Counselling Services offers professional, confidential, and free counselling services for BCIT students who seek assistance with personal, relationship, and educational problems, career decision making, and crisis management.

Student Development and Wellness Workshops offered by Counselling Services support student success through workshops on study skills, stress and time management, staying motivated, and degree completion.

Tel.: 604-432-8608

Student Employment Services

Student Employment Services (SES) can help you find work on- and off-campus through job postings on eJobs, BCIT's own Web-based job posting system, and the annual Careers Fair. Take advantage of free resume review service with a qualified professional. In addition to discussing your resume, our work search coach can help you with interview techniques.

Tel.: 604-432-8666
E-mail: employ@bcit.ca
www.ses.bcit.ca



Student Association

The BCIT Student Association (SA) supports Shinerama, EcoFair, Open House, recycling, Campus Crimestoppers, Childcare Centre, peer tutoring, Take Pride, car pooling, The Link newspaper, and more. The SA is governed by students and is dedicated to serving you through effective representation.

Tel.: 604-432-8600
e-mail: bcitsa@bcit.ca
www.sa.bcit.ca

Safety and Security

Personal safety and security are top priorities at BCIT. The Safety and Security department operates many services, including a 24-hour Safer Walk program to ensure that all members of the BCIT community stay safe.

Tel.: 604-432-8796
www.safetyandsecurity.bcit.ca

Disability Resource Centre

This department provides educational support and services for students with learning or visual disabilities, mobility or hearing impairments, or other special needs.

Tel.: 604-604-451-6963
e-mail: drc@bcit.ca
www.drc.bcit.ca

Aboriginal Programs and Services

This department strives to enhance First Nations participation, retention, and success at BCIT by delivering culturally-appropriate services and programs for students of Aboriginal ancestry, including status and non-status people, Métis and Inuit.

Tel.: 604-432-8474
e-mail: firstnations@bcit.ca
www.aps.bcit.ca

Childcare Centre

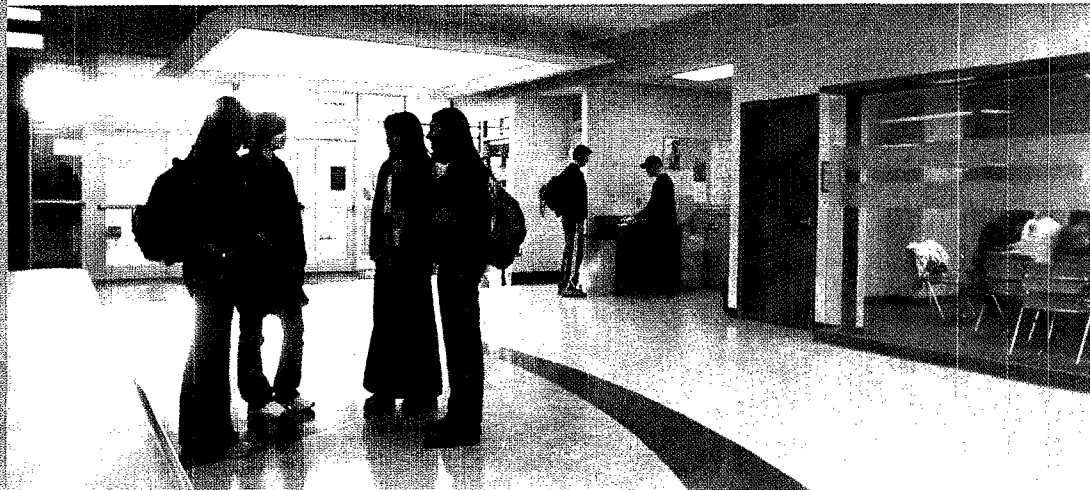
BCIT's Childcare Centre offers an enriched early childhood program that encourages children, two and a half to five years of age, to express themselves creatively through a variety of learning circles, learning centres, and positive social interaction.

Tel.: 604-432-8919

Harassment and Discrimination

At BCIT, respect means having an environment free of harassment and discrimination. A special advisor provides confidential assistance to students, employees, contractors, or visitors, and helps resolve complaints according to BCIT's policy on harassment and discrimination.

Tel. 604-451-6721
www.harassment.bcit.ca





Much of the equipment and technology in business, industry, hospitals, and natural resources management, as well as consumer products you use every day, once had to undergo a great deal of applied research to make it exist, work, and be marketable.

Through the BCIT Technology Centre, we are at the forefront of applied research and development in Canada. We work with companies of all sizes, in all industries, to develop solutions for their problems. They may have an idea for a particular product, or a type of equipment – we help them figure out a way to build it, fine-tune its operations, and make it easy and ergonomic to use. Then, we help in technology transfer, which is the transferring of technology to market use.

Past research projects include finding improving efficiencies in surgery, banking, Internet security, medical home care, alternative energy production (such as solar energy, or photovoltaics), and other issues affecting the world's social, economic and technological development.

Students are also involved in these projects. Through your program of study, you may have opportunities to work on such industry projects. From green energy to cyber security, BCIT provides countless opportunities for students to gain hands-on experience working on applied research for business and industry.

For more information on the Technology Centre and BCIT's growing role in applied research and development, visit www.tc.bcit.ca.



One day you may find yourself working in the field, and your employer will need to develop a customized training program for your team. Guess what? BCIT delivers specialized training for business and industry's particular needs.

BCIT works with companies every day to determine what their business objectives are, and what special skills their staff will require to meet these objectives. We then develop and deliver a customized training plan — whether it involves on-site training, workshops, special classes at one of BCIT's campuses, and more.

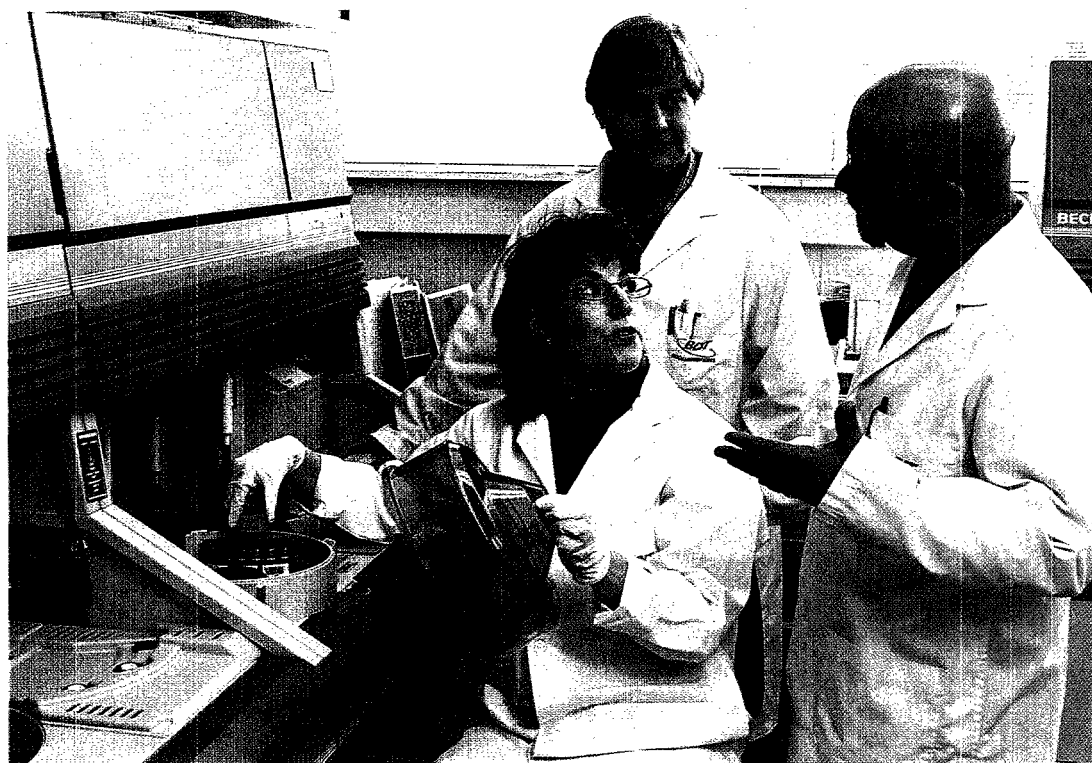
This helps businesses remain competitive by helping their staff keep

on top of the latest technology and skills in that field.

BCIT is also extensively involved internationally — providing training for companies and businesses, and helping build schools and post-secondary programs, all over the world. Through BCIT international, we work in partnership with colleagues wherever they may be — from South America to Asia and everywhere in between.

BCIT is part of a changing world — at home and around the world.

For more information on how BCIT provides customized industry training, visit www.training.bcit.ca.





With a BCIT education, your future is in your hands. What you learn here today, you can build on tomorrow.

The secret to success is combining the knowledge you've gained with experience on the job, and in the world. After you've completed your studies, go on and work for a while, experience life, travel, discover what paths you want to pursue next. And, when you're ready, BCIT will surprise you with a multitude of learning options, yet again.

A multitude of options

You may have noticed, from reading this publication, that BCIT is definitely not short on choices. From associate

certificates through to certificates, diplomas and degrees, a BCIT education can help you go far. You might start with a certificate and pursue a degree later. Or, you may complete your diploma or degree now, and decide to specialize further or change careers later, with a certificate in another field. You may even choose to build on your BCIT credential with studies at another post-secondary education.

BCIT is as open as you are. Your future is your own to make it anything you want it to be. We will be there to help you make it happen.



Satellite locations

BCIT programs are operated out of numerous satellite locations around British Columbia, including:

BCIT, Kelowna Campus, Kelowna

Carson Graham Secondary,
North Vancouver

Chetwynd High School, Chetwynd

Kelowna Flightcraft, Kelowna

Langley Secondary, Langley

Maple Ridge Secondary, Maple Ridge

New Westminster Secondary,
New Westminster

Princess Margaret Secondary, Surrey

Rutland Secondary, Kelowna

South Peace Secondary, Dawson Creek

Thomas Haney Centre, Maple Ridge

Riverside Secondary School,
Port Coquitlam

For contact information on
all BCIT satellite locations, visit
www.bcit.ca/InfoBooth/satellite_campus.shtml.

Want to learn more?

There are many different ways to further explore BCIT and decide if an education here is the right choice for you.

Information Sessions

Information Sessions on full-time programs are offered throughout the year by the Institute and by individual program areas. Ask questions, and learn from a faculty member or current or past students about the program you are interested in.

The schedule of information sessions is available online at www.bcit.ca/infosessions. You can register for sessions on this site or by calling Registration and Information at 604-434-1610.

Open House

On April 2 and 3, 2004, BCIT throws open its doors for you to come in and explore. Visit educational and entertaining program displays hosted by program areas, ask instructors and current students questions, and get a better idea of what's involved in specific areas of study. It's also a great way to be introduced to the BCIT Burnaby campus and its facilities. Visit www.openhouse.bcit.ca for more information.

BCIT Open House is held every two years, in even-numbered years.

Contact a Program Advisor

Program advisors are a great source of information. They can answer most questions about BCIT programs – and if they can't answer a question, they'll find someone who can! Call Registration and Information at 604-434-1610 to book an in-person interview or leave your name and telephone number for a return phone call from a Program Advisor. You can also have your questions answered online at www.bcit.ca/AskAnAdvisor.

For more information, call or visit one of our campuses, listed on the next page.

Acknowledgements

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Path Finder

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An invitation from the president



Now that you've had an opportunity to learn more about BCIT, its programs, services, and special features, I invite you to come visit us in person.

BCIT is one of the finest polytechnic institutions in Canada. This means that the education you will receive here will expose you to business and industry practices and help you network with people in your field in a way that will set you apart when you complete your education and enter the workforce.

I am confident that with the broad range of programs BCIT offers, there is something here that will serve your needs. Come explore us in greater depth, and find out how the path of a BCIT education can make all the difference.

With best wishes for your success,

Tony Knowles, PhD
BCIT President

Burnaby Campus

3700 Willingdon Avenue
Burnaby, BC V5G 3H2
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Downtown Campus

555 Seymour Street
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Tel: 604-434-1610

Marine Campus

265 West Esplanade
North Vancouver, BC V7M 1A5
Tel: 604-453-4111

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5301 Airport Road, South
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Tel: 604-419-3777

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555 Great Northern Way
Vancouver, BC V5T 1E2
Tel: 604-434-1610

For detailed contact information,
visit www.bcit.ca/Contact.

*If you are calling from out of the country,
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