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**B.C.I.T.**

*A POLYTECHNIC INSTITUTION*

# Path Finder

Your guide to full-time programs | 2005-06



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**The path you choose can make all the difference.**



# Using this Book to Find your Career Path

With more than 200 full-time programs and 1,600 courses, the British Columbia Institute of Technology has a lot to offer. This Path Finder has several ways for you to find the information that's important to you.

The first section of this book gives you a general description of education at BCIT, including listings of all our full-time programs, sorted by disciplines or areas of study. This is a great place to start if you are still considering your career choices, or if you know what sort of skills and interests you have but aren't sure how you can build a future using them. The listing of career search resources will be helpful, too.

There's more to education than classes, so the next section includes information about BCIT campuses, services and student life, so you know what to expect when you get here.

The program information section includes specific information about every full-time program: program descriptions and timelines, entrance requirements, important dates in the application cycle, and more. The categories that were identified in the first section and the programs in them are listed alphabetically here.

The final section gets down to the details of how to apply to BCIT: application and admissions information and procedures, fees, and financing resources. We've also included definitions to clarify any terms that may be unfamiliar to you.

If you already know exactly what program interests you, the easiest way to find it is to look in the alphabetical index at the end of the book.



Throughout the Path Finder, we've tried to include topic-specific URLs so you can go directly to the area within BCIT's web site at [www.bcit.ca](http://www.bcit.ca) to find more information.

BCIT is an institution with an incredibly wide variety of offerings. One of them could be just right for you and your career goals. This book will help you find it.



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# Many Paths, One Starting Point

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We talk a lot about pathways at BCIT. As a polytechnic institution, we offer a different path of learning for many people.

At every step, it is a path based on quality. You will leave BCIT with more than the skills you need to get a job; you will have gained the knowledge you need for a career.

You get from here to there through a combination of academic teaching and applied learning. Award-winning instructors share their experience in their fields, and continue to conduct applied research to make new discoveries accessible to the marketplace. Students apply what they learn before they leave BCIT.

Much of our education is planned as part of a continuum that enables you to progress throughout your career, continuing to learn and grow in your field. In every program, Advisory Committees that include industry members ensure our curriculum is up to date and meeting current and future industry needs.

The many paths that lead from BCIT all begin with the choices made by individual students to pursue their dreams here. Perhaps you will be one of them. Use this Path Finder to help you map your way.

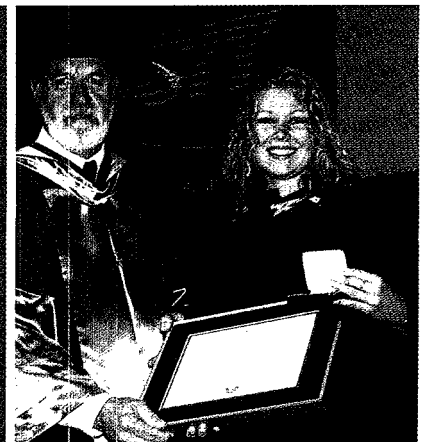
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BRITISH COLUMBIA INSTITUTE OF TECHNOLOGY  
3700 WILLINGDON AVE.  
BURNABY, B.C.



"BCIT is the fast track to success, plain and simple, no matter what your educational background. BCIT's reputation in almost every major industry is testament alone that our students are sought after and very successful."

— Carly Handel,  
BCIT Marketing Management grad





# Education at BCIT

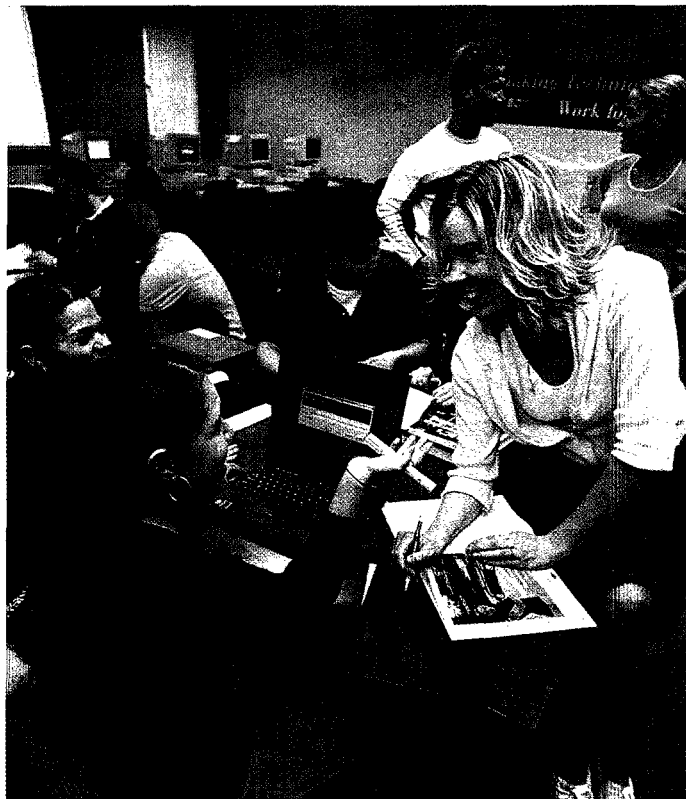
There are almost as many different ways to learn at BCIT as there are individual programs. You can choose to pursue your education in the areas of engineering technologies, business and media, trades and apprenticeship, applied and natural sciences, computing and information technology, or health sciences.

The basis for each area is the same, however. Expect an intensive program in which you will be in the classroom and workshop or lab for enough hours to be equivalent to a full-time job. About half of that time will be spent in the classroom and half in the shop or lab. For every hour of in-class time, be prepared to spend half an hour to one and a half hours working on assignments and projects.

You'll emerge with finely tuned time-management and organizational skills. You'll know how to work alone and on a team. You'll be prepared for the multi-tasking required in your career because you've had to set goals and prioritize your actions to achieve them.

You'll learn a lot in your time at BCIT. Our grads tell us it's hard work, but well worth it. And the relatively short time frame of many programs means you'll be working in your chosen career and earning a living that much sooner.

Through small classes and team assignments, you will get to know your instructors and classmates well, developing friendships and industry networks that will last for years. Smaller classes also mean better access to lab and shop equipment so you can apply your new knowledge immediately.



Group assignments help you learn from each other as well as reinforcing the communication and teamwork skills you'll need in any field.

Many programs offer you the opportunity to put your skills to work in industry before you graduate, whether through supervised clinical placements in health sciences programs or industry-sponsored projects in which you and classmates tackle real-world issues and come up with solutions for your clients.



## Applied Learning Works

BCIT specializes in applied learning. You'll learn the theories behind how your industry works, and then you'll get to put them into practice yourself. It might be through a simulated work project in the classroom, lab, clinic or workshop; an industry-sponsored project, where you and fellow classmates solve a problem for a real client; a practicum or work period in your industry; or a supervised clinical term in a hospital. It might be through a combination of such opportunities. And, when you get to your first job, you'll know exactly what to do, as well as why it's done that way. Employers know that's what they can expect from BCIT grads, and they look for it. Applied learning works for everyone.





Different learning formats mean you can tailor your education to your world as it exists right now, coming to school full time for two years or continuing to work at the job you have now while you learn for a new career or upgrade in your current one.

#### Full-time Studies

Full-time programs run for approximately seven hours per day, five days per week, usually between 7 a.m. and 5 p.m., but not always.

Once you are accepted in a full-time program at BCIT, you are automatically registered in the individual courses you require to complete it. That means you won't have to worry about whether you'll get into the classes you want.

#### Co-operative Education

Co-op education involves alternating classroom terms with paid work terms in your field. Everyone benefits from the three-way partnership between the employer, BCIT and the student. It will take longer to earn a co-operative education credential, but you will gain valuable experience and contacts along the way.

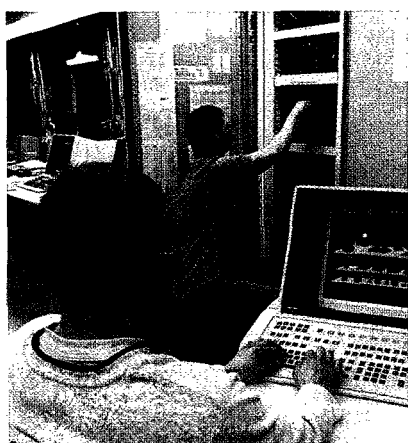
#### Apprenticeship\*

The long-established system of apprenticeship includes extensive on-the-job learning. In its modern form, apprenticeship includes short scheduled periods of formal training at BCIT, interspersed with on-the-job training and paid work experience. BCIT offers apprenticeship training in more than 30 trades.



Apprentices must be working for an employer as an apprentice and must be registered as an apprentice with the Government of BC. To find out more about apprenticeship programs, contact the Apprentice Service Office at 604-456-8100 or 1-800-667-0676, e-mail [apprentice@bcit.ca](mailto:apprentice@bcit.ca) or visit [www.bcit.ca/apprenticeship](http://www.bcit.ca/apprenticeship).

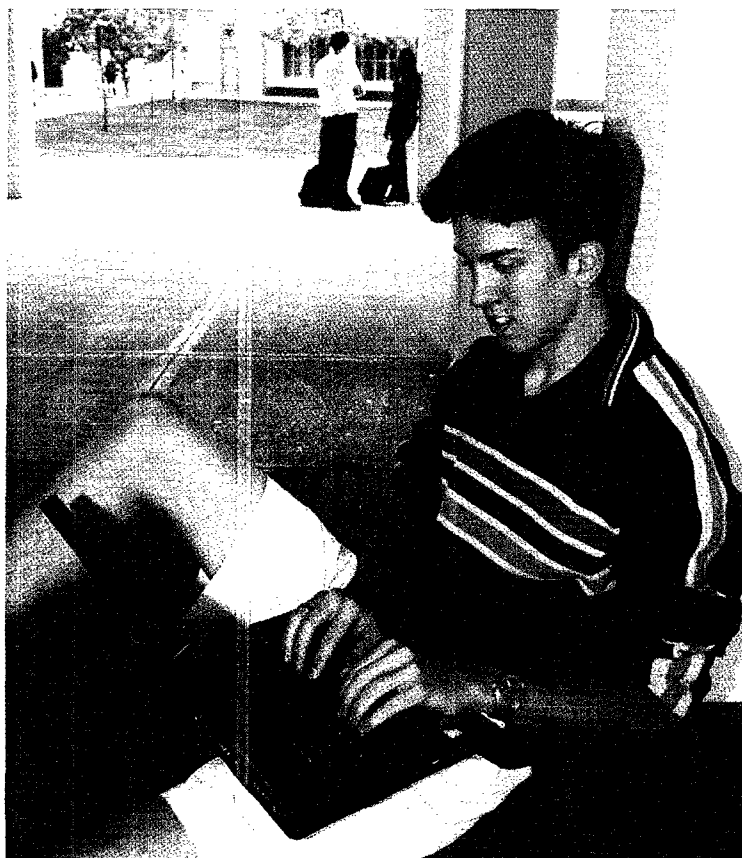
*\*International students are not eligible for apprenticeship programs*



"BCIT graduates are ready-to-go professionals. They have the right balance of theoretical and academic knowledge together with the practical hands-on ability required to deal with real-life situations. Norpac Controls has been hiring BCIT graduates for 25 years; half of our current technical staff consists of BCIT grads."

— Dave Wall, President,  
Norpac Controls Limited





### Distance Education

If you can't come to BCIT, sometimes BCIT can come to you. Distance Education includes traditional correspondence learning, in which you work on your own at your own pace; guided learning, in which you work on your own but according to a predetermined schedule with guidance from an instructor; and online learning, in which you participate in virtual classes online without ever leaving your home. Visit [www.bcit.ca/distance](http://www.bcit.ca/distance) for more information on these opportunities.

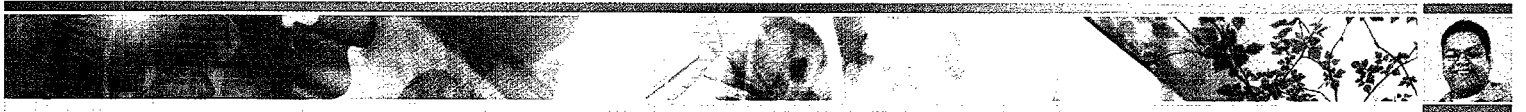
### Part-time Studies

If you need flexibility in course selection and scheduling, consider pursuing your learning through Part-time Studies (PTS) at one of our campuses or satellite locations. Many PTS courses qualify toward credentials that you can build on as you progress in your career. BCIT offers three PTS terms per year, in the fall, winter and spring.



"After completing a few BCIT part-time courses I was hooked, and decided to work towards my certificate. I was able to keep working full time and pick and choose courses that were the most relevant to my job and that fit into my schedule (i.e. evenings, Saturdays, distance education, and occasionally, day school). BCIT courses have given me the knowledge I need to be successful, have made me a more valuable team member with my current employer and provided me with a skill set that would be considered valuable to any potential future employers."

– Tracy Gowans, EHandS Advisor, Finning (Canada),  
Occupational Health and Safety student



# Credentials

Along its many paths of learning, BCIT offers the opportunity to earn a variety of credentials.

## Associate Certificates and Certificates

These credentials are awarded after successful completion of a relatively short but specialized training program combining applied theory and practical skills for that particular field. Certificate programs can be completed in one concentrated period, or course by course over a period of months or years. Many of BCIT's certificates can act as building blocks for further credentials at a later point in your career.

## Diplomas

Diplomas are awarded after an intense, longer program of studies; many (but not all) diploma programs are two years long. A diploma can be the stepping stone that leads to a degree in your field. Grads are qualified to work in technological, technical, para-professional and professional occupations. They can be technologists or technicians. Again, their studies combine theory and practical skills.

## Post-diploma and Advanced Studies

These programs build on prior education and experience, providing highly specialized theoretical and practical education in a particular field.

## Degrees

BCIT offers Bachelor of Technology, Bachelor of Science and Bachelor of Business Administration degrees. These programs combine academic education at a higher level with advanced practical training in the field of your choice. Most degree programs require you to have already gained some post-secondary education and achieved a specified amount of work experience before you begin the program.

## Applied Master's Degrees

Several applied master's degrees are under development at BCIT. They will build on our degree programs, and some will offer students the opportunity to conduct research in their field through the existing BCIT Technology Centre. With their combination of higher learning and applied research, these programs will provide master's degrees for the real work world.



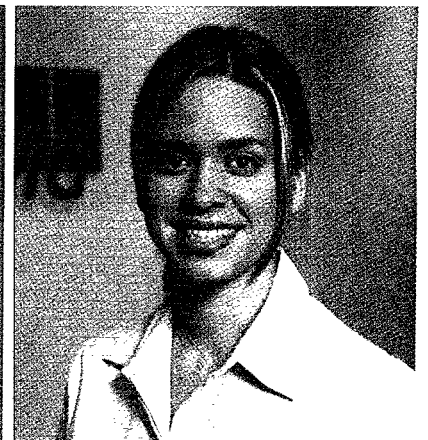
## Build from here

Many BCIT programs are designed so you can build on them, or ladder, as your career progresses. You may begin with a certificate, upgrade to a diploma, and then combine your work experience with additional courses to earn a bachelor's or applied master's degree. Maybe you already have a degree and want to come back here to pursue a specialized area within your field. Or you may want to apply your education at BCIT towards a further credential at another post-secondary institution.

BCIT has been built on lifelong learning. In today's changing workplace, there's no better way to go.

"I chose BCIT for its solid reputation in industry and the preparation it provided me to enter the 'real world'. BCIT's Accounting programs provided me with hands-on, job-ready skills to prepare me for on-the-job challenges. The small class sizes and one-on-one time with instructors were very beneficial to my learning. I feel confident that I am equipped with the necessary skills to advance my career and succeed as I have graduated from the Bachelor of Technology in Accounting program."

— Sarah Hussey, Senior Accountant, KPMG LLP,  
Bachelor of Technology in Accounting grad





# Faculty Excellence

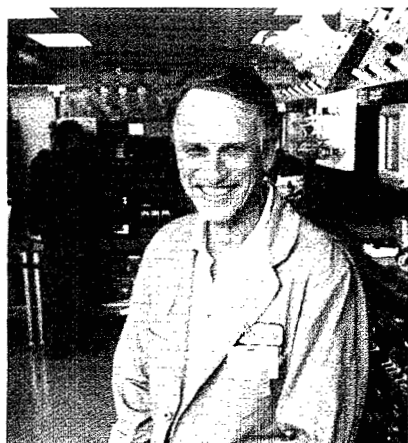


When BCIT instituted its Teaching Excellence Awards, the problem wasn't in finding deserving winners, but in choosing them from such a large field of qualified nominees.

Faculty and instructors at BCIT remain active in the fields in which they teach. Ongoing applied research, periodic returns to industry, and professional development activities keep them at the leading edge of emerging knowledge and up to date on industry standards and requirements. Their contacts in industry benefit all students, through increased resources for work placements as well as equipment for shops and labs. And industry reps provide invaluable input on Program Advisory Committees for all BCIT programs.

BCIT's extensive international training activities also offer our faculty the opportunity to share and gain knowledge in many countries around the world, and then bring those experiences back to the classroom here at BCIT.

But even more important than having the knowledge is the desire to share it. BCIT faculty know their students by name and care about their education. They are committed to helping you meet your goals.



"I enjoy the flexibility and freedom to teach in a practical and realistic way. At BCIT you're able to really take theoretical concepts and apply them to a real-life, hands-on situation. I enjoy getting up in the morning and coming to school!"

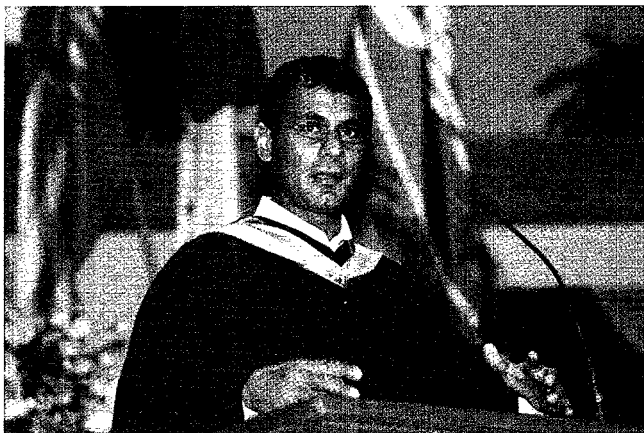
*Alan Miles, Instructor Electricity and Industrial Electronics Technician program*







# Student Success



We're proud that 97 per cent of our grads rate their BCIT training as worthwhile. Consistently for the past decade, more than 80 per cent of BCIT grads have been employed in their field within 90 days or less of their graduation. Many of the others don't seek work because they choose to continue their education. You can learn more about the student outcomes for specific programs at [www.irp.bcit.ca](http://www.irp.bcit.ca).

Employers want BCIT grads. They recognize that BCIT grads demonstrate an invaluable work attitude along with up-to-date skills and knowledge.

As a polytechnic institute with programs spanning trades to high tech, BCIT is preparing students to fill needs in the marketplace now and in the future. In its study, "The Third Option A First Choice," the Business Council of British Columbia notes that between 2001 and 2011, 44 per cent of job openings will require a form of post-secondary training other than a traditional university degree.



With unprecedented rates of retirement forecast in all sectors due to the aging of the Baby Boomers, and the boost the 2010 Olympics are forecast to bring to the BC economy, BC and Canada need employees with the skills and training they'll get from BCIT. Our graduates are facing a positive future.



"BCIT is an excellent place to study. You really can develop your skills here; your way of thinking will radically change, and you will see a more open world. They also offer a program for international students so that you can explore what you really like before deciding on a specialization. BCIT can offer you a world-class education, and after finishing, I'm pretty sure you're going to have the whole world in your hands."

— Adiel Carrascal, International student, Colombia





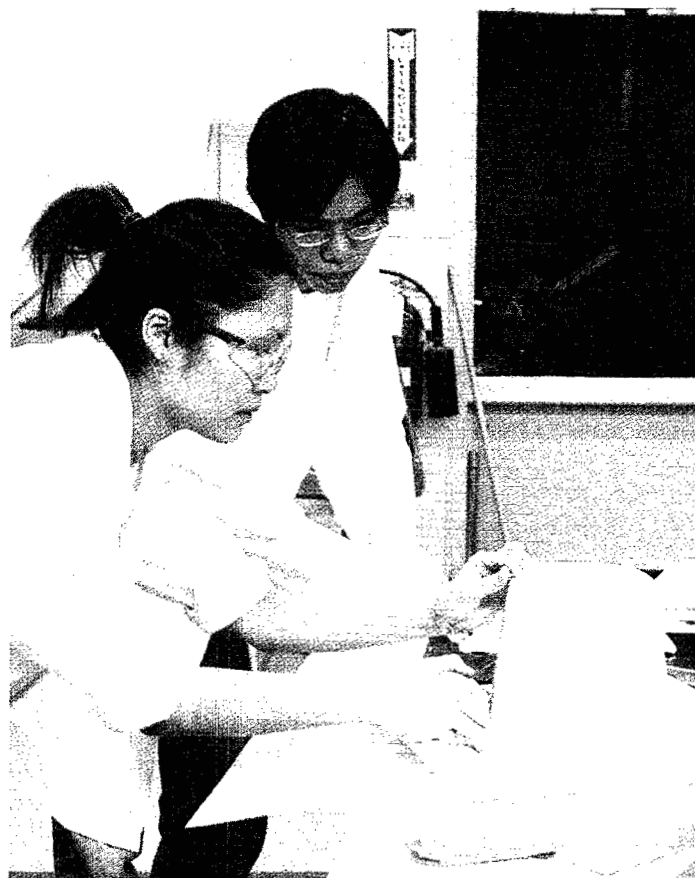


# Engineering Technologies

Are you creative? Do you enjoy solving problems?  
Are you intrigued by science? Do you enjoy  
working with numbers?

Technologists apply scientific principles and mathematics to design, build, test, maintain and manage the things we encounter in our daily lives such as building heating and cooling systems. Training as a technologist includes learning how to identify project requirements; determine procedures and implement solutions; schedule work to meet objectives; conduct short and long-range planning; and promote conceptual change.

Technicians use a practical approach based on a detailed understanding of standard methods and techniques to repair, maintain and install technical systems such as the fibre optic cable systems that provide high-speed Internet access. Technicians are taught how to examine assignments; understand project objectives and instructions; and select procedures and actions to resolve the assigned problem.



Graduates are found developing designs and drawings, preparing estimates, performing inspections and tests, writing specifications, installing and maintaining sophisticated equipment, and troubleshooting.



"BCIT's instructors have loads of industry experience. During lectures, one instructor would always refer to companies he worked with, and this made the ideas and topics discussed more relevant. I would highly recommend this program to others. The benefits: an excellent opportunity for gaining a good mix of theoretical knowledge and practical experience, great instructors, convenient locations, and good course selection."

*— Ray Miya, Plastics Engineering Technology student*





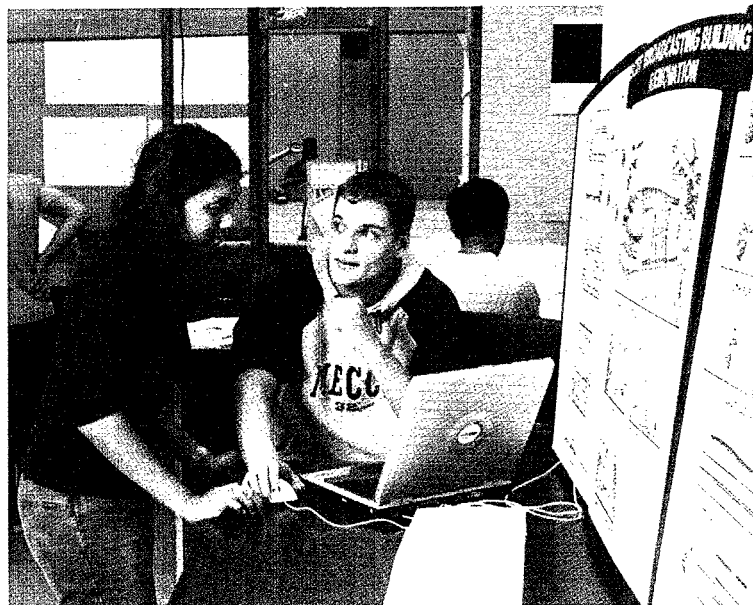
#### Preparatory Programs Technology Entry (TE)

#### Certificate Programs

Electronics Technician Common Core  
Power Engineering (General)  
Power Engineering (Technical)

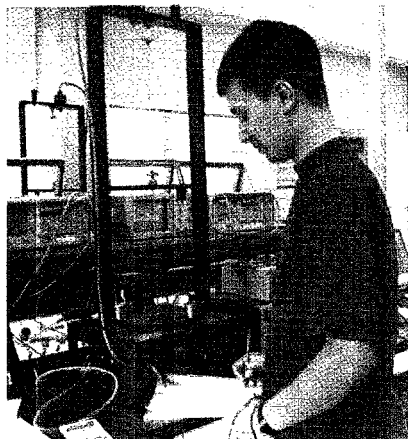
#### Diploma Programs

Architectural and Building Engineering Technology  
CAD Programming (Post-diploma)  
Civil Engineering Technology  
Electrical and Computer Engineering Technology –  
Automation and Instrumentation Option  
Electrical and Computer Engineering Technology –  
Computer Control Technology Option  
Electrical and Computer Engineering Technology –  
Electrical Power and Industrial Control Option  
Electrical and Computer Engineering Technology –  
Wireless Communications and Computer  
Networks Option  
Mechanical Engineering Technology –  
Design/Computing Option  
Mechanical Engineering Technology –  
Mechanical Design Option  
Mechanical Engineering Technology –  
Mechanical Manufacturing Option  
Mechanical Engineering Technology –  
Mechanical Systems Option  
Plastics Engineering Technology  
Power and Process Engineering  
Robotics and Automation  
Telecommunications Technician  
Wireless Communications Technician



#### Degree Programs

Bachelor of Technology in Architectural Science  
Bachelor of Technology in  
Construction Management  
Master of Science in Construction Management  
(conferred by the University of Bath in  
partnership with BCIT)  
Bachelor of Technology in Electronics  
Bachelor of Technology in Environmental  
Engineering Technology  
Bachelor of Technology in Manufacturing



"At BCIT the instructors work in the industry, so you have the most up-to-date information relevant to your field. The main reason I chose BCIT is because of its credibility within the business community. BCIT offers a variety of programs to choose from, knowledgeable instructors, and a great learning environment. What more do you need?"

*Sandeep Sarai,  
Computing and Information Technology Student*





# Business and Media

Do you want to develop a powerful tool kit of skills for working in various business environments: corporate or non-profit, government or private, in a large company or self-employed? Would you like to be able to develop effective problem-solving skills that apply to a variety of industries?

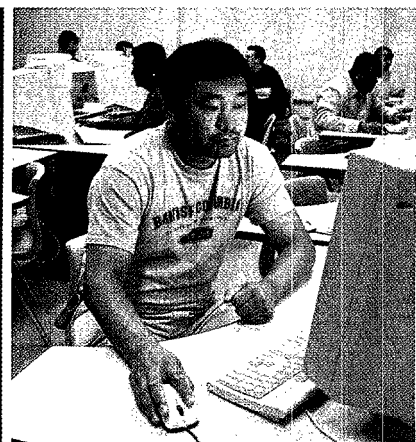
Skills in management, media, marketing, operations, finance, and administration will help you take on the business world.

BCIT's programs in Business and Media teach you technical, interpersonal, communication and teamwork skills. You learn to process and analyse financial information, to communicate messages, sell and market products, use technology for managing processes, solve problems, supervise people, lead organizations, and develop and implement business plans.



“BCIT’s Operations Management program showed me the manufacturing process, from the raw materials needed through to the assembly line processes used, and beyond to the marketing and selling of the product. I now have many opportunities to work in a variety of sectors, from the service industry to manufacturing.”

– Farnaz Farrokhi, Operations Management grad





## Associate Certificate Programs

Venture Program

## Certificate and Industry

Partnership Programs

Design Essentials

## Diploma Programs

Airport Operations

Broadcast and Media Communications –

Broadcast Journalism

Broadcast and Media Communications – Radio

Broadcast and Media Communications – Television

Business Administration (Post-diploma)

Financial Management

Human Resource Management

Human Resource Management (Post-diploma)

Information Technology Management

Integrated Management Studies

International Trade and Transportation

Marketing Management –

Commercial Real Estate Option

Marketing Management –

Communications/Direct Response Option

Marketing Management – Entrepreneurship Option

Marketing Management –

Marketing Communications Option

Marketing Management – Professional Sales Option

Marketing Management – Tourism Option

Operations Management

## Degree Programs

Bachelor of Technology in Accounting

Bachelor of Business Administration,

Advanced Studies in Business

Bachelor of Technology in Management

Bachelor of Technology in Technology Management



## Business Students Make Their Mark

BCIT business students have made their mark at various national and international competitions in the past year. Here are just some of their accomplishments:

- First place, Royal Roads International Case Competition, Victoria, March 2004
- First, second, third and fourth places, American Marketing Association Collegiate Conference, New Orleans, March 2004
- Two Ruth Hancock Awards, Canadian Association of Broadcasters, Quebec City, November 2003
- First place for the third year in a row, Professional Marketing Research Society, Vancouver, April 2004.

“When I enrolled in the BCIT Venture Program, I was running my business from my apartment. Papers were everywhere, product parts were piled on the floor, sales were low and my credit was stretched thin. The Venture Program’s ‘business incubator’ concept identified the problems with my business plan. Working in a small class setting with fellow entrepreneurs provided me with the confidence and guidance I needed to make my business a success. Now I have a good-sized warehouse, three great employees, an efficient mix of contracted and on-site value-added manufacturing, and sales of over half a million dollars in 2003.”

– Ian Bullen, Owner, Small World, Venture Program grad





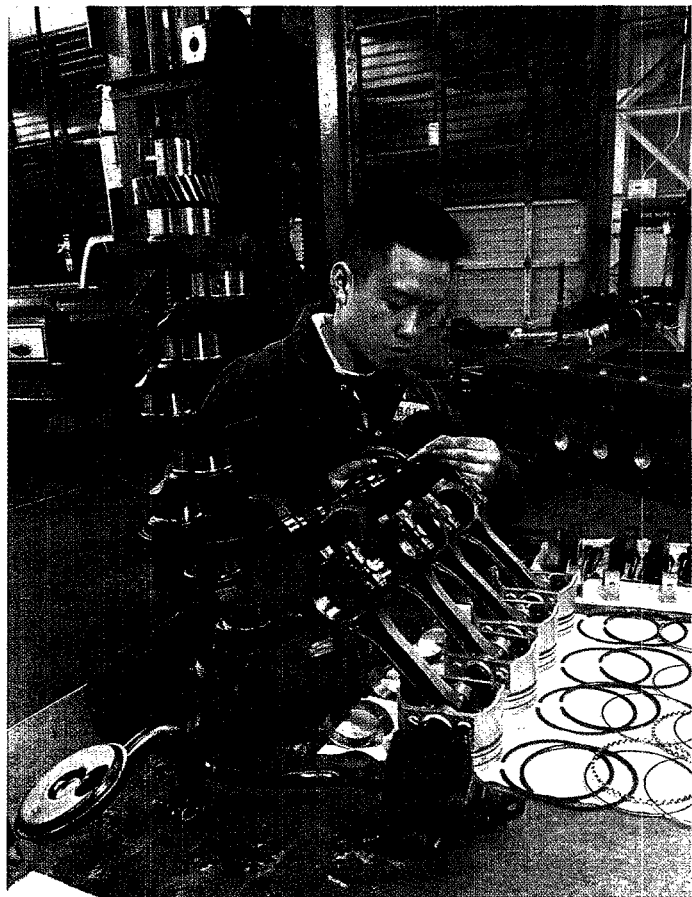
# Trades and Apprenticeship

Do you like to fix things? Are you likely to take something apart to see how it works, then put it back together? Do you like to build things? Are you interested in learning the latest in technology? Are you creative?

You may realize your dreams and accomplish what you've always wanted with a career in trades. Skilled tradespeople construct, implement, operate, maintain and fix the structures, products and systems that we depend on every day. Tradespeople are in great demand in the current economy due to the large number of people who will be retiring in the next decade.

In trades your work may be physical and could take place in a variety of indoor and outdoor environments. It's a great choice if you 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.

If you've decided trades are right for you, the next step is choosing the educational path to get there. BCIT offers trades training in two main ways: through entry level trades training (ELTT) programs where you study at BCIT and seek employment upon graduation, and through apprenticeship training where you are employed in your trade and return to campus periodically for specialized training. (Apprenticeship training is not available to international students.)



"I am currently the BC Sales Manager for Alumicor Limited. I would not be where I am today without the glazing industry training I received at BCIT. BCIT's training facility is first class and the instructors, who have hands-on knowledge of the industry, are top-notch. I highly recommend BCIT's Glazing program to anyone looking for a solid future with stable employment. The demand for skilled glaziers has never been greater, and BCIT is the place to get the training you need."

– Randy Smith, BC Sales Manager,  
Alumicor Limited, Glazier grad







## Trades Upgrading and Discovery Programs

### Statement of Completion

#### Fresh Start

### Associate Certificate Programs

#### Trades Discovery (General)

#### Trades Discovery for Women

## Construction

### Associate Certificate Programs

#### Automated Woodworking Processes

### Certificate Programs

#### Boilermaking ELTT

#### Carpentry ELTT

#### Carpentry Framing and Forming

#### Drafting

#### Ironworking ELTT

#### Joinery (Cabinetmaker) ELTT

#### Piping ELTT

#### Sheet Metal Working ELTT

#### Steel Fabricating ELTT

#### Welding Level C

#### Welding Level B

#### Welding Level A

### Apprenticeship Programs

#### Boilermaker

#### Carpentry

#### Gasfitting

#### Glazing

#### Heat and Frost Insulator

#### Ironworker

#### Joinery (Cabinetmaker)

#### Piledriver and Bridgeworker

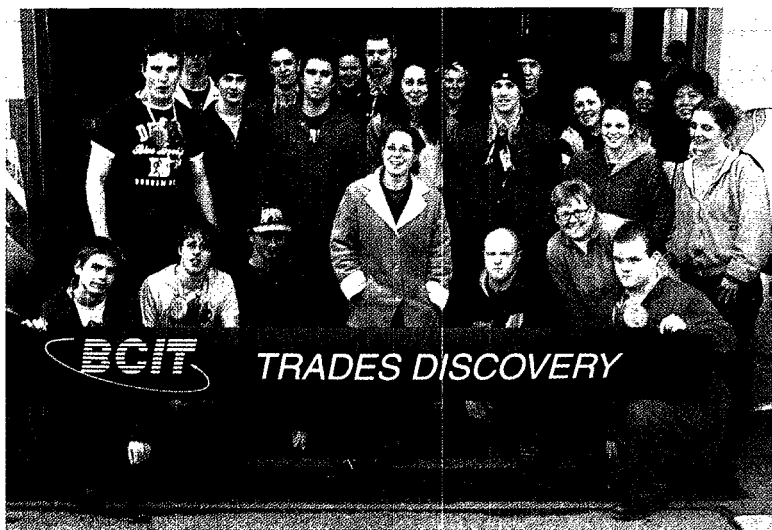
#### Plumbing

#### Sheet Metal

#### Steamfitter

#### Steel Fabrication

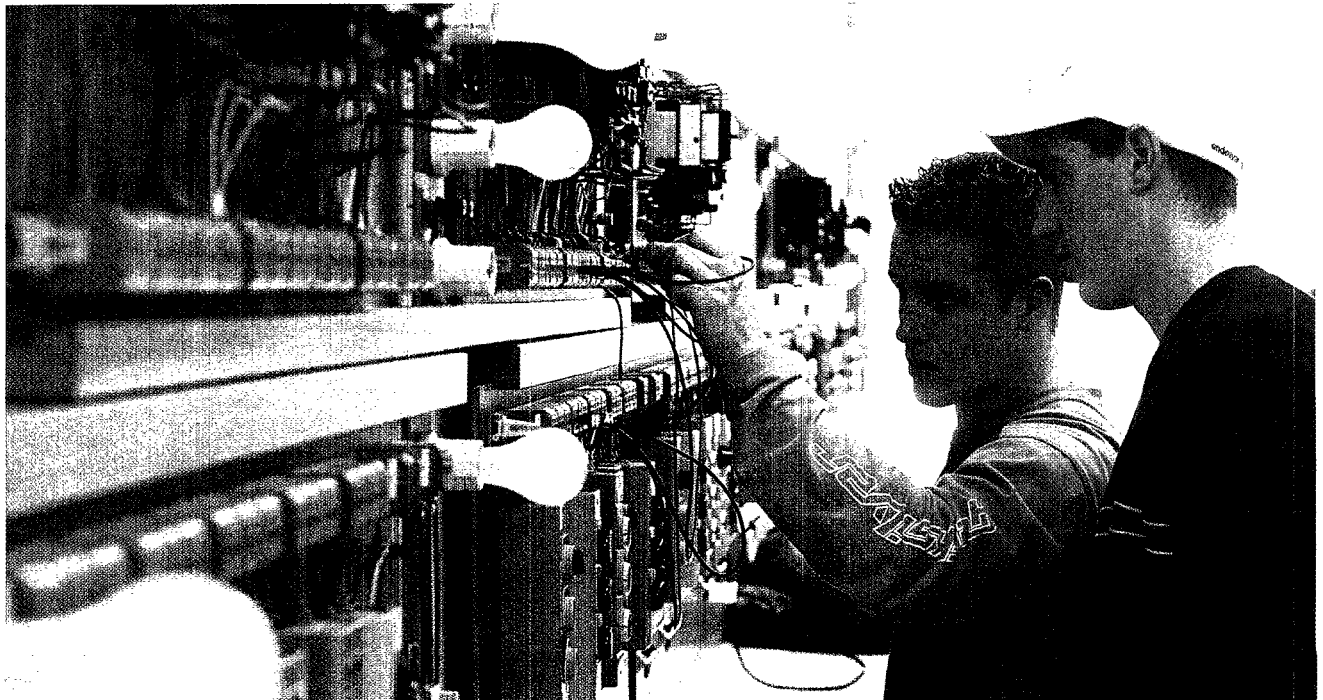
#### Welding



"It was a leap of faith for me to attend the Trades Discovery program. I completed the program last June. I gained a tremendous respect for all the trades and wish that all students, old and young, could experience this eye-opening course."

– Catherine Ransome,  
Power Engineering grad





## Electrical/Electronics

### *Certificate Programs*

Electricity and Industrial Electronics ELTT  
Security Systems Technician

### *Diploma Programs*

Industrial Instrumentation Service 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 Technician)  
Industrial Maintenance Mechanic  
Machinist/CNC Machinist  
Tool and Die Technician

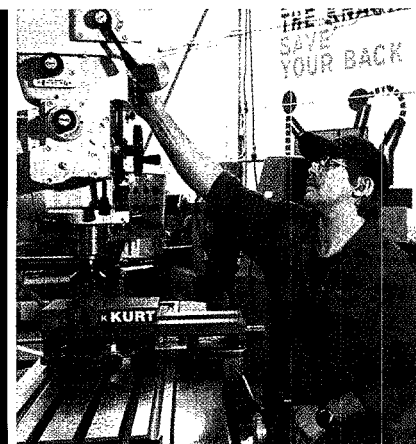
### *Apprenticeship Programs*

Benchperson  
Circular Sawfiler  
Machinist  
Millwright  
Refrigeration  
Saw Fitting



"BCIT's Automotive Service Technician program is the best program of its kind. The co-op allows you to get hands-on experience in the field while getting paid. BCIT provided me with the skills to make it in the automotive industry. With credits from this BCIT program, I will have my Bachelor of Science degree in automotive engineering in only two more years."

– Chetan Joshi,  
Automotive Service Technician grad





## Transportation

### *Associate Certificate/Statement of Completion Programs*

Aircraft Interior Technician  
Aircraft Structures Manufacturing Technician  
Bridge Watchman  
Marine Engineer First Class  
Marine Engineer Second Class  
Marine Engineer Third Class  
Marine Engineer Fourth Class  
Master 350GT  
Master Limited, over 60 GRT, Minor Waters

### *Certificate Programs*

Aircraft Gas Turbine Technician  
Aircraft Maintenance Engineer Category S (Structures)  
Aircraft Mechanical Component Technician  
Automotive Mechanic ELTT  
Automotive Mechanic ELTT (Toyota T-TEP)  
Automotive Mechanic ELTT (Volkswagen)  
Commercial Transport Mechanic ELTT (Truck and Bus Mechanic)  
Diesel Engine Mechanic ELTT  
Heavy Duty Mechanic ELTT  
Inboard/Outboard Mechanic ELTT  
Motorcycle Mechanic ELTT  
Mobile Equipment and Warehouse Operations  
Power Equipment Mechanic ELTT  
Railway Conductor  
(Industry Partnership Certificate)  
Watchkeeping Mate Restricted (WKMR)

### *Diploma Programs*

Aircraft Maintenance Engineer Category E (Avionics)



Aircraft Maintenance Engineer Category M (Maintenance)  
Airline and Flight Operations – Commercial Pilot  
Auto Collision Refinishing Technician  
Auto Collision Repair Technician  
Automotive Service Technician  
Automotive Service Technician (Ford ASSET)  
First Mate, Intermediate Voyage  
Marine Engineering  
Master, Intermediate Voyage (Advanced Diploma)  
Nautical Sciences

### *Apprenticeship Programs*

Aerostructures  
Automotive Technician  
Automotive Technician GM (ASEP)  
Automotive Technician Honda (HAP)  
Commercial Transport  
Heavy Duty Mechanic  
Inboard/Outboard Mechanic  
Motorcycle Mechanic



“Compared to my first degree from a traditional university, BCIT’s Construction Management degree is much more relevant and applicable in the day-to-day operations of my landscape supply business. The skills I have learned at BCIT have improved and sharpened my management and financial skills, which I will use as I continue into an MBA program. The BCIT instructors have been remarkable and I hope to continue correspondence with them long after I graduate.”

– Iain Hunt, Operations Manager, Meadows Landscape Supply Ltd., Construction Management student





# Applied and Natural Sciences

Are you curious? Do you enjoy conducting experiments and discovering new things? Are you passionate about the environment? Do you find satisfaction in improving conditions for others? Are you good at digging deep into information to solve problems?

The food we eat, the air we breathe, advances in human health and the future of our forests are shaped by science and technology. Working in applied and natural sciences means conducting experiments, doing research, working outside to expand our knowledge of living organisms and natural resources, and supporting industrial processes.

Gain knowledge of the natural environment and how to explore it, manage it, protect it and conserve it. Learn how to examine and understand biological and chemical processes. More importantly, learn how to control and use these processes to improve our lives by creating pharmaceuticals, reducing pollution, making food safer, solving crimes and tapping into sources of energy.

Some of the skills you will gain include: collecting information; using computer technology to organize and use the data; articulating problems and figuring how to solve them; using data and evidence to develop solutions; and, creating and presenting proposals.

Preparatory Programs  
Technology Entry

Associate Certificate Programs  
Biotechnology



Certificate Programs  
Forest Resources Technician

Diploma Programs  
Chemical Sciences Technology –  
Environmental Chemistry Option  
Chemical Sciences Technology –  
Industrial Chemistry Option  
Chemical Sciences Technology –  
Pulp and Paper Option  
Food Technology  
Geomatics Engineering Technology  
Mining Technology  
Renewable Resources – Fish, Wildlife and Recreation  
Renewable Resources – Forest Ecosystem

Advanced Studies Programs  
Geographic Information Systems  
Renewable Resources Management

Degree Programs  
Bachelor of Science in Biotechnology  
Bachelor of Technology in Forensic Investigation  
Bachelor of Technology in Geomatics



"BCIT's Bachelor of Technology in Forensic Investigation is a very exciting, engrossing and challenging program. The instructors bring hands-on experience to their teaching that is fascinating and very helpful to students."

– Sara Jensen, Forensic Investigation grad





# Computing and Information Technology

Are you innovative and computer-savvy? Do you need to be the first to know everything about the latest technology? Would you like to help people solve their computer problems, or use technology to improve business operations? Then a computing and IT career may be a good fit for you.

There are three areas of work and study in the computing and IT field: hardware/systems, software/programming, and Internet/web. With BCIT's programs, you can develop skills in network design, administration, software programming and development, visual design, IT management, hardware repair, computing engineering for software or hardware, web development and applications, and user support.

## Hardware/Systems

Certificate and Industry Partnership Programs  
Computer Systems and Network Fundamentals  
Technology Support Professional

## Diploma Programs

Computer and Business Equipment Technician  
Internet Systems Technician  
Networking Systems Technician  
Technology Infrastructure Management

## Internet/Web

Certificate and Industry Partnership Programs  
New Media Design CD-ROM and Web Development



## Software/Programming

Certificate and Industry Partnership Programs  
Digital Animation  
Office Administrator with Technology (OAT)  
Software Systems Developer

## Diploma Programs

Computer Systems Technology –  
Client/Server Option  
Computer Systems Technology –  
Database Management Option  
Computer Systems Technology –  
Data Communications and Internetworking Option  
Computer Systems Technology –  
Digital Processing Option  
Computer Systems Technology –  
Embedded Systems Option  
Computer Systems Technology –  
Information Systems Option  
Computer Systems Technology –  
Systems Integration Option  
Computer Systems Technology –  
Technical Programming Option

## Degree Programs

Bachelor of Technology in Computer Systems



"BCIT's Software Systems Development program offers the most comprehensive exposure to modern software and system development technologies. The condensed format of the program, combined with the industry-sponsored work term, made BCIT's SSD program the clear choice for me. I recommend this program to those who are serious about a career in the high technology industry."

*Dale Romanko, Quality Assurance Analyst,  
Maestro CMS Software Systems Development, grad*







# Health Sciences

Do you enjoy helping people and working with others to improve situations? Are you interested in understanding how the human body works? Are you compassionate? Do you want to be involved in making people feel better?

Health sciences is a broad field that encompasses health protection, diagnosis, treatment and therapy, and management. Within the field of health sciences, professionals prevent disease and accidents, practitioners contribute to successful medical treatments, and managers keep things on track.

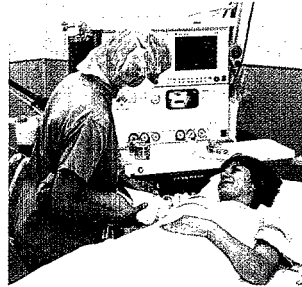
In this field you will gain knowledge of the human body and its functions. You will learn how to protect it, examine it, care for it and heal it. You will learn how to develop systems that prevent diseases and injuries in our communities and workplaces. And you'll learn how to use advanced scientific knowledge and technology to diagnose and treat the disease and injuries that do occur.

Some of the skills you will develop include: caring for and communicating with patients and their families, using technology to conduct tests, performing analyses, administering treatment plans, monitoring and managing sophisticated technical equipment, and working with others to solve problems.

Many of our advanced Health Sciences programs allow practising professionals to upgrade by Distance Education without leaving their current jobs.

## Certificate Programs

Medical Laboratory Science –  
Professional Qualifying Program



## Diploma Programs

Biomedical Engineering Technology  
Cardiology  
Clinical Genetics Technology (Post-diploma)  
Diagnostic Medical Sonography (Post-diploma)  
Electroneurophysiology Technology  
Medical Laboratory Science  
Medical Radiography Technology  
Nuclear Medicine Technology  
Occupational Health and Safety  
Prosthetics and Orthotics

## Degree Programs

Bachelor of Technology in Environmental Health –  
Public Health Inspection  
Bachelor of Technology in Management  
(Health Specialty)  
Bachelor of Technology in Medical Imaging  
Bachelor of Technology in Nursing  
Bachelor of Technology in  
Radiation Therapy Technology  
Bachelor of Technology in Specialty Nursing –  
Critical Care, Emergency, High Acuity, Nephrology,  
Neonatal, Occupational Health, Pediatric,  
Perinatal, or Perioperative



“I wanted to become a nurse, so I researched all the nursing programs and spoke to current nurses. I chose BCIT because of its reputation for preparing job-ready graduates. The facilities and resources available at BCIT, such as the patient simulated labs, prepare nursing students for the numerous practical hours and the valuable hands-on experience in the clinical setting.”

– Susan Sandberg, Nursing student





# Finding Your Path – Career Search Resources

Still not quite sure which path will work for you? BCIT offers exploration courses and programs to help you decide what you want to do. And once you decide, we offer courses to help you succeed. See [www.bcit.ca/getstarted/explore.shtml](http://www.bcit.ca/getstarted/explore.shtml) for details.



## Introduction to Career Planning

A one-day course where you will learn more about the steps in the career planning process, exploring interests, and researching career and educational options.

## Career Testing

Explore your career options by writing a series of standardized tests over two evenings. Learn to access information to identify your interests, aptitudes, values and personal style, and to develop a summary profile for career and lifestyle planning.

## Career Search Workshop

Spend four Saturday mornings exploring your career options by writing tests, accessing current information and resources, and learning how to specify goals to make a career change. Covers interest, aptitude and values clarification and testing, career and educational opportunities, decision making, goal setting and implementation.

## Trades Discovery – General and Trades Discovery for Women

These full-time programs prepare you to successfully enter and complete a trades training program at BCIT by introducing you to many trades

and giving hands-on experience in some. Upon completion, you will be able to evaluate your suitability for working in the trades, determine which trade you wish to pursue, work safely in the shop and on a construction site, use hand and power tools, and be successful at BCIT. The General program is open to women and men; Trades Discovery for Women is open only to women.

## Other Resources

Check out other resources that can help you choose a career, including self-assessment and career planning web sites and books:

- [www.bced.gov.bc.ca/careers/planning](http://www.bced.gov.bc.ca/careers/planning)
- <http://10steps.careerpathsonline.com/guide>
- [www.canadapropects.com](http://www.canadapropects.com)
- [www.hrsdc.gc.ca/en/home.shtml](http://www.hrsdc.gc.ca/en/home.shtml)
- *What Colour is Your Parachute?*  
(available at your local library, along with others).

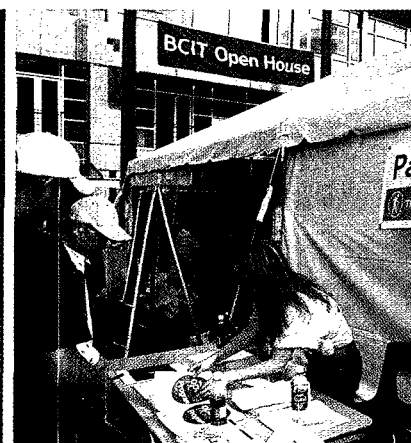
Web sites and resources that can help you learn about occupations and industries:

- [www.workfutures.bc.ca](http://www.workfutures.bc.ca)
- [www23.hrdc-drhc.gc.ca](http://www23.hrdc-drhc.gc.ca)
- [workinfont.net.bc.ca](http://workinfont.net.bc.ca)
- Industry associations and unions.

## Want to learn more?

- **Big Info Session and Program Expo** is held in October each year. Next session: 5 p.m. to 8 p.m., Oct. 13, 2004, Burnaby Campus.
- **Information sessions**, including special sessions for each discipline/area of study, throughout the year. Visit [www.bcit.ca/infosessions/0](http://www.bcit.ca/infosessions/0) or call 604-434-1610 for details.
- **Campus tours** at Burnaby Campus. Visit [www.bcit.ca/tours](http://www.bcit.ca/tours) for details.

- **Open House** happens in April of even-numbered years. Visit [www.openhouse.bcit.ca](http://www.openhouse.bcit.ca) for details.
- **Program Advisors** are here to help. Call 604-434-1610 to book an appointment or leave a message. Or contact them online at [www.bcit.ca/askanadvisor](http://www.bcit.ca/askanadvisor).
- **[www.bcit.ca](http://www.bcit.ca)** provides a wealth of information about studying and living at BCIT.





# Student Life at BCIT



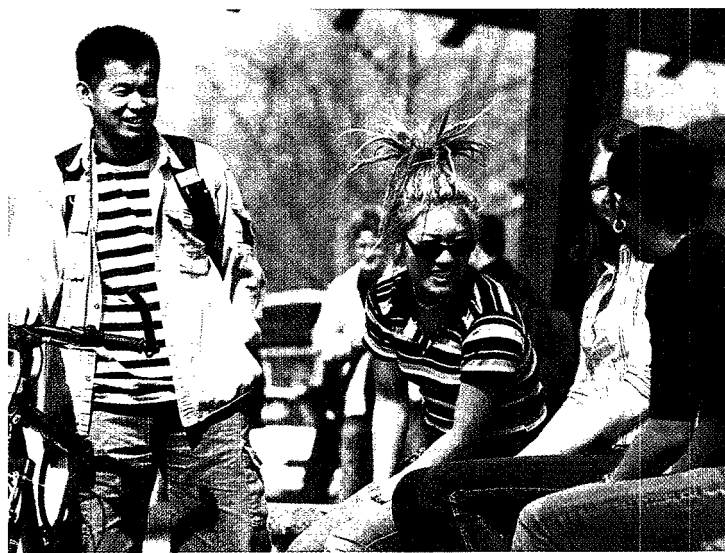
Studies at BCIT can be intensive, but the most successful students are those who balance work with other activities.

Taking time for fun does more than add interest to your life. It also reduces stress and boosts energy levels, so you work better when you go back to your studies. Plus you'll make friends and learn skills that can enrich your life for years to come.

Get involved in student events and activities – there are plenty to choose from. And if you don't see something that reflects your interests, find some like-minded people and create a group of your own.

## Orientation

Take the anxiety out of your first day here by taking in Orientation. Explore the campus without the deadline of your first class looming over you, and discover the resources that are here to help you. Get your timetable and your student ID. Meet people from your program and others; begin forming the social contacts and class networks that will make your time here more productive and more fun.



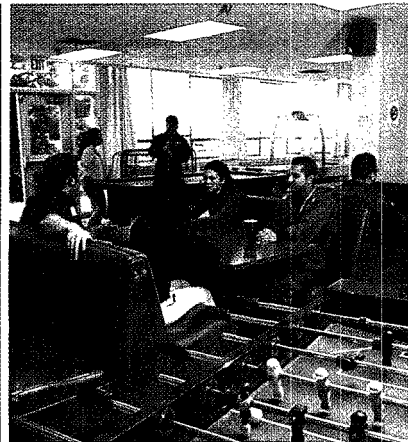
BCIT has a distinctly international flavour, with approximately 1,000 students from 50 countries studying with our 15,000 full-time BC and Canadian students. Meet people from around the world and add a global perspective to your learning.

And when you come back for your second year, be an Orientation volunteer. Savour that first-day air of “anything is possible” and share your own BCIT experiences with new students so they can get the most out of their own BCIT journey from the first step.



“I remember feeling lost on my first day at BCIT, however, within a week I had made many new friends. Working at the Fit Pit, our on-campus fitness centre, I met students from other programs and learned so much about all that BCIT offers. My suggestion to new students is to get involved; whether you decide to volunteer for events, hold office in one of the many student associations, or work on campus, the time you take to do so will better your experience here immensely.”

*Carly Handel, Marketing Management grad*





If you like to balance the work in your life with physical activity, you'll want to check out BCIT's Recreation Services department, which organizes intramural leagues in co-ed volleyball, flag football, non-contact ice and floor hockey, basketball, indoor soccer and more.

For those whose schedules won't accommodate league play, there's plenty of opportunity for drop-in sports including volleyball, basketball, badminton, squash, racquetball and others.

The Student Activity Centre on the Burnaby Campus boasts a climbing wall, squash and racquetball courts, outdoor track, gymnasium, and the Fit Pit. Fit Pit staff can help you get the most benefit out of the full selection of weight machines and free weights, computerized cardio equipment, and various fitness classes.

Recreation Services also schedules lots of special classes at beginner and experienced levels in such activities as sea kayaking, archery, scuba diving, dance, aerobics, kick-boxing and more.

And for the super-competitors, there's an annual quintathlon in which teams of seven paddle canoes, run, swim and mountain bike for cash prizes.

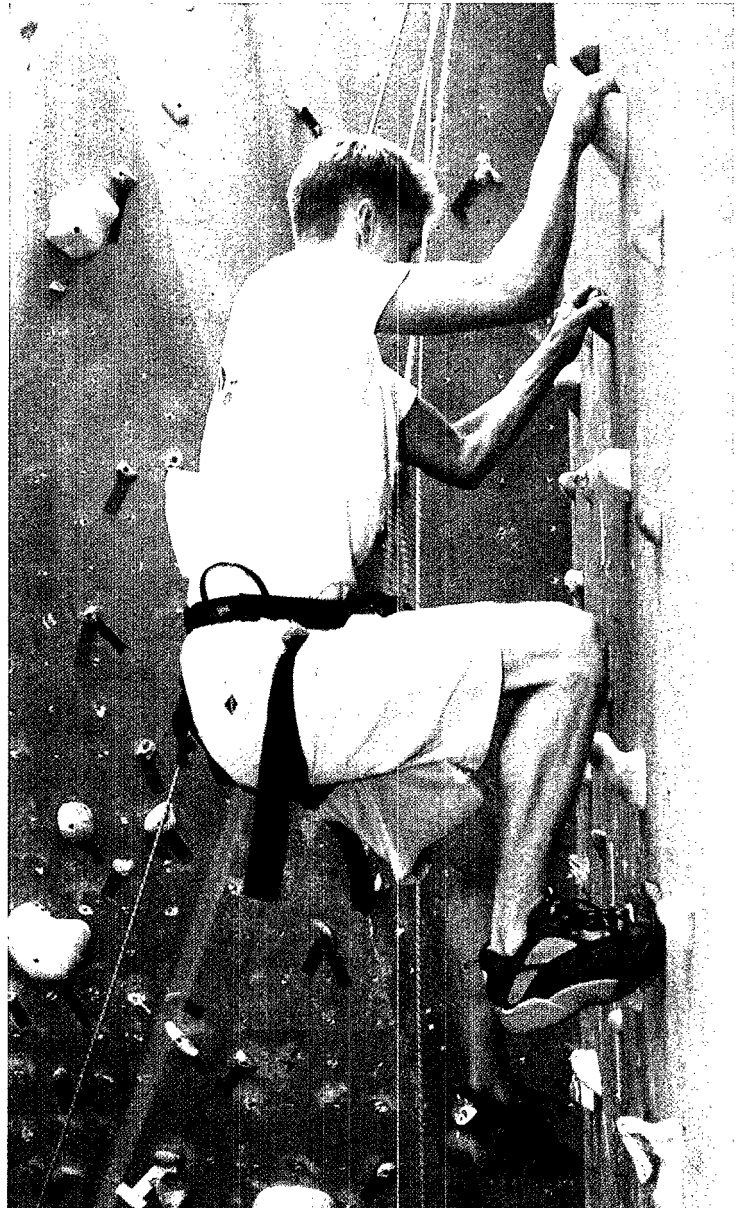


PHOTO BY JEFFREY HARRIS FOR THE BURNABY NEWS



## Recreational Clubs

Clubs are a great way to meet people who share your interests while you gain some vital non-study time and maybe even learn something new. Recreation Services oversees a variety of clubs for indoor wall climbing, chess, archery, outdoor activities, and more. Staff members welcome suggestions for new clubs that meet a student demand, too. For full listings and current information, visit the Recreation Services web site at [www.bcit.ca/recreation](http://www.bcit.ca/recreation).





While some will tell you life is a sport, others look for less physically strenuous but equally challenging ways to spend their spare time.

Student government is one of them. The BCIT Student Association holds elections each spring for the following school year's executive and school reps. It's a chance to make a difference in life on your campus, as well as to gain interpersonal skills and contacts that will benefit you for years to come.

The BCIT Board of Governors also has two elected student members who take student concerns and issues to decision makers, and who provide a student perspective on the Institute's governance.

### Annual Events

One of the Student Association's most visible activities each year is The Amazing Race, a wild and wacky fundraiser for cystic fibrosis research. Students and faculty compete in various unusual races to win great prizes while raising money for charity.

Another popular annual event is Faulty Towers, a competition in which teams use 10 x 15 cm (4 x 6") index cards and tape to build towers for cash prizes. Can your team's tower top the current record height of 7.17 m (23'6")?

## Student Organizations

There's life beyond the gym and the playing field at BCIT, in a variety of student organizations that all welcome newcomers:

**Advancing Canadian Entrepreneurship (ACE) BCIT** – fosters entrepreneurship and community involvement.

**Affinity Program** – matches returning students with new international students to promote intercultural experiences and

to help new international students make friends and learn about their new environment.

**Association for Interactive Marketers (AIM)** – collegiate chapter of the BC Direct Marketing Association.

**BCIT Marketing Association (BCIT MA)** – a multi-award-winning collegiate chapter of the American Marketing Association.  
**BCIT Student Association** – student

government working on issues that concern you.

**The Link student newspaper** – new contributors always welcome.

**Take Pride** – a home base for gays, lesbians, bisexuals, transgendered persons and their friends at BCIT.

**Toastmasters Club** – learn to speak in public, in a supportive environment among friends.





# Student Services and Organizations

BCIT offers services to make your stay here more productive and more enjoyable.

**Aboriginal Programs and Services** delivers culturally-appropriate services and programs for status, non-status, Metis and Inuit students.

Tel.: 604-432-8474

E-mail: [firstnations@bcit.ca](mailto:firstnations@bcit.ca)  
[www.bcit.ca/aps](http://www.bcit.ca/aps)

**BCIT Bookstore** on Burnaby campus is fully stocked with required books, software, stationery and other items, and offers online shopping as well.

Tel.: 604-432-8379

E-mail: [bookstore@bcit.ca](mailto:bookstore@bcit.ca)  
[www.bcit.ca/bookstore](http://www.bcit.ca/bookstore)

**BCIT Library** has books, periodicals, research resources, videos, electronic resources and more in various locations.

Tel.: 604-432-8557

E-mail: [library@bcit.ca](mailto:library@bcit.ca)  
[www.lib.bcit.ca](http://www.lib.bcit.ca)

**BCIT Student Association** supports various campus events and activities including the student newspaper, *The Link*. It also operates several campus convenience stores and the pub on the Burnaby campus.

Tel.: 604-432-8600

E-mail: [bcitsa@bcit.ca](mailto:bcitsa@bcit.ca)  
[www.bcitsa.ca](http://www.bcitsa.ca)

**Counselling Services** offers professional, confidential and free counselling services to BCIT students, as well as student development workshops to enable student success.

Tel.: 604-432-8608

**Disability Resource Centre** provides support and services for students with disabilities and special needs.

Tel.: 604-451-6963

E-mail: [drc@bcit.ca](mailto:drc@bcit.ca)  
[www.drc.bcit.ca](http://www.drc.bcit.ca)

**Harassment and Discrimination**

**Advisor** provides confidential assistance to anyone on campus and helps resolve complaints according to BCIT's policy on harassment and discrimination.

Tel.: 604-451-6721

[www.harassment.bcit.ca](http://www.harassment.bcit.ca)

**Medical Services** operates a regular medical drop-in clinic on the Burnaby campus, staffed by physicians and nurses, with a physiotherapist and psychiatrist also available.

Tel.: 604-432-8608

**myBCIT Card** is an all-purpose student identification card issued by BCIT and the Student Association. It provides access to campus facilities, on-campus debit privileges and off-campus retail discounts. It also acts as your photo ID.

Tel.: 604-451-6890

E-mail: [OneCard@bcit.ca](mailto:OneCard@bcit.ca)  
[www.bcit.ca/card](http://www.bcit.ca/card)

**Program Advisors** – provide prospective students with information about all aspects of BCIT through e-mail, by phone and in person.

Tel.: 604-434-1610

[www.bcit.ca/advising](http://www.bcit.ca/advising)

**Safety and Security** operates services, including a 24-hour Safer Walk program, to keep you safe on campus.

Tel.: 604-432-8796

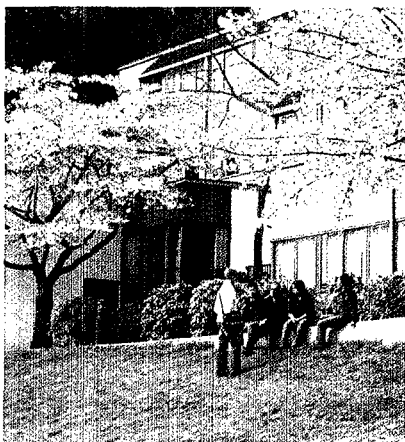
[www.safetyandsecurity.bcit.ca](http://www.safetyandsecurity.bcit.ca)

**Student Employment Services** can help you find work on or off-campus through job postings on eJobs, the annual Careers Fair, and job search support.

Tel.: 604-432-8666

E-mail: [employ@bcit.ca](mailto:employ@bcit.ca)  
[www.bcit.ca/ses](http://www.bcit.ca/ses)

**Student Information and Enrolment Services** – is a one-stop department that can process your application for a full-time program or register you for a course in Part-time Studies. Customer service representatives also answer general information inquiries, arrange appointments with program advisors, and refer inquiries to specific areas of the Institute for further assistance.

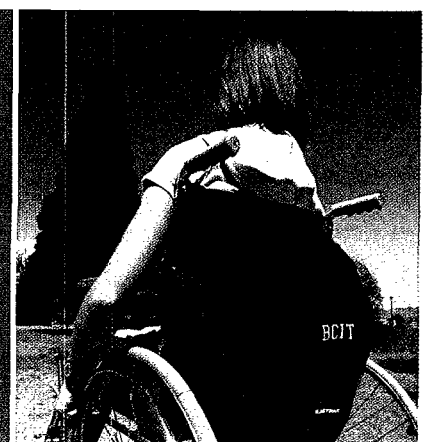


## Student Housing

**Maquinna Residence** on the Burnaby Campus can accommodate 336 students in private rooms with common living areas. A comprehensive list of off-campus accommodation is also available.

Tel.: 604-432-8677

E-mail: [housing@bcit.ca](mailto:housing@bcit.ca)  
[www.bcit.ca/housing](http://www.bcit.ca/housing)





# Campuses

Depending on your program of study, you could learn at any one of BCIT's five campuses in BC's Lower Mainland.

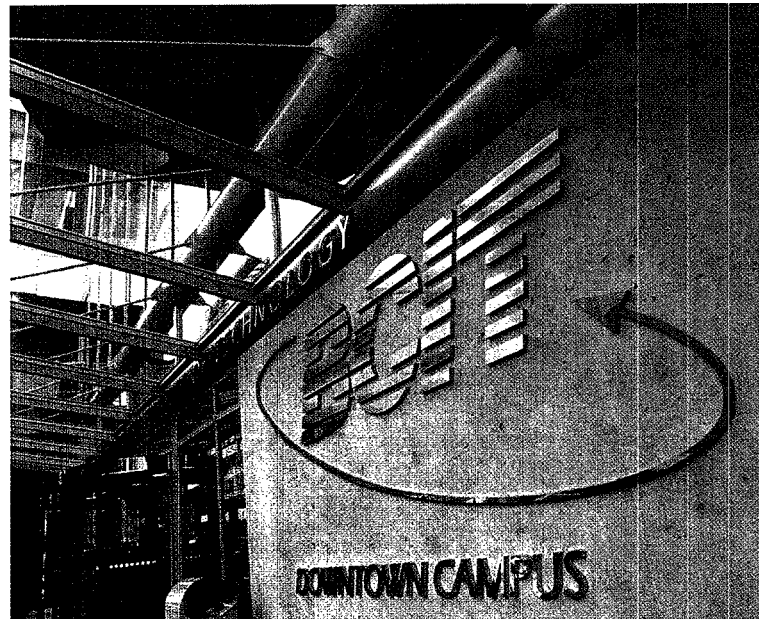
All feature current technology and equipment, from the New Media Mac labs at Burnaby to the bridge and engine room simulators at the marine campus. Our close ties to industry ensure that students work with industry-standard equipment, whether they are studying to be an automotive technician or a nuclear medicine technologist.

The **Burnaby campus** is the largest and longest-established, with facilities for almost all program areas as well as the main Library, an extensive Student Activity Centre, and BCIT's only on-campus student housing. Guichon Creek meanders through the campus and is the focus of social and environmental activities.

The **downtown campus**, located in the heart of Vancouver's business district, offers programs in business as well as computing and information technology, and is home to the BCIT Call Centre of Excellence and the entrepreneurial Venture Development Centre.

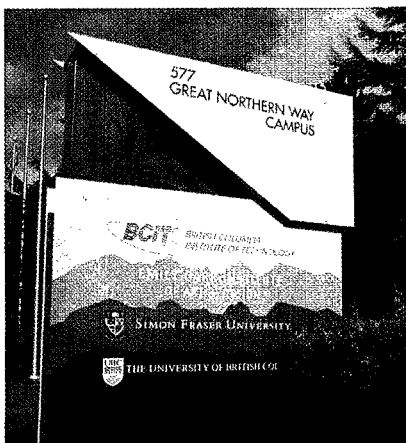
In North Vancouver, the **marine campus** is home to all the marine-related programs we offer for students and industry partners. Its setting on the shore of Burrard Inlet is a natural for a facility that includes a specialized marine library, dive tank, engine room simulator, visual bridge simulator, and other marine facilities.

Planning and fundraising are well under way for an expanded **aerospace technology campus** at the Vancouver International Airport in Richmond.



The current facility includes an aerospace-focused library, classrooms, and a hangar housing a wide variety of fixed-wing and rotary aircraft.

The **Great Northern Way campus** in Vancouver is a joint venture in which BCIT, the University of British Columbia, Simon Fraser University, and the Emily Carr Institute of Art and Design are creating a long-term plan for an exciting sustainable high-tech campus community on False Creek. BCIT's green roof research facility is already located here.



## Lower Mainland Campuses

**Burnaby Campus**  
3700 Willingdon Avenue  
Burnaby, BC V5G 3H2

**Downtown Campus**  
555 Seymour Street  
Vancouver, BC V6B 3H6

**Marine Campus**  
265 West Esplanade  
North Vancouver, BC V7M 1A5

**Aerospace and Technology Campus**  
Vancouver International Airport  
5301 Airport Road South  
Richmond, BC V7B 1B5

**Great Northern Way Campus**  
555 Great Northern Way  
Vancouver, BC V5T 1E2





# Message from the President

You now have an overview of the many opportunities offered by BCIT, Canada's premier polytechnic institution. We're proud of our more than 200 full-time programs and our growing list of credentials, and of the success of our 100,000-plus alumni in their chosen careers. We hope we can help you achieve the same success in whatever field you choose to pursue.

I invite you to take the next step by reviewing more detailed information about the programs that interest you. Find out what you'll learn and the careers in which you can apply your knowledge and skills. Use this section as a road map to chart your path to admission to BCIT; then watch a world of opportunity open up for you.

BCIT offers a different path. And the path you choose really can make all the difference.

Dr. Tony Knowles

President, BCIT



## Program Information

The following section lists information about each full-time program offered at BCIT, including credential earned, duration of program, potential careers, entry requirements and how the applications are processed. Please note that *prerequisites listed are the minimum necessary*

for admission; some programs have additional admission requirements. Check out [www.bcit.ca/study](http://www.bcit.ca/study) for more information. The numbers in brackets after each program name can be filled in on the reply card attached to this book if you want more information on that specific program.



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## Biotechnology – Bachelor of Science (8950)

### Program Info

Full-time – 4 years (2 at BCIT plus 2 at UBC). Starts in September.

### Program and Career Description

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.

### Entrance Requirements

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-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 Details

Application Processing: Applications are accepted and processed by UBC. See <http://www.bcit.ca/study/programs/8950bsc> for details.

## Biotechnology – Associate Certificate (500B)

### Program Info

Full-time – 12 weeks. Starts in June.

### Program and Career Description

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.

### Entrance Requirements

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 Details

Application Processing: Contact the department at 604-453-4074 for application information. Applications are considered for a specific intake.

## Chemical Sciences Technology – Diploma of Technology (5350)

### Program Info

Full-time – 2 years. Starts in September.

### Program and Career Description

Options in: Environmental Chemistry, Industrial Chemistry, Pulp and 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.

### Entrance Requirements

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 Details

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

## Environmental Engineering Technology

*See Engineering Technologies*

## Environmental Health – Public Health Inspection

*See Health Sciences*

## Food Technology – Diploma of Technology (500A)

### Program Info

Full-time – 2 years. Starts in September.

### Program and Career Description

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.

### Entrance Requirements

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 Details

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

## Forensic Investigation – Bachelor of Technology (8450)

### Program Info

Part-time – 1 year. Courses start in January, April, September.

### Program and Career Description

Options in: Computer Crime, Economic Crime, Forensic Science.

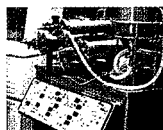
This degree will enhance the theoretical knowledge base and investigative skills to work in the specialized and diverse fields of forensic investigation. You'll learn scientific principles, procedures, technologies and the legal ramifications of an investigator's work. **Careers:** Graduates may work in a range of investigative and crime prevention positions, depending on academic background and work experience.

### Entrance Requirements

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. Prior Learning Assessment 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 Details

Application Processing: Ongoing throughout the year.







## Forest Resources Technician – Certificate of Technology (7370)

### Program Info

Full-time – 1 year. Starts in September.

### Program and Career Description

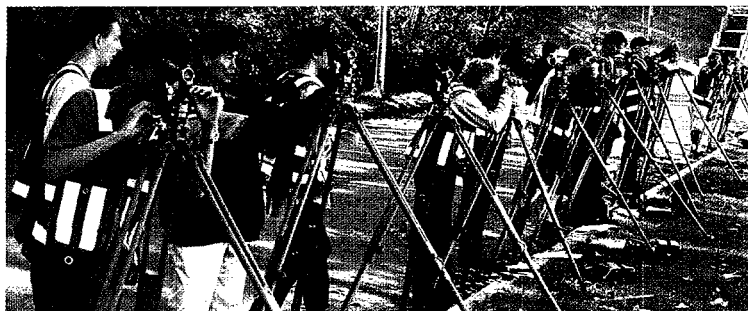
Learn how to conduct field work in the forest industry. Course topics include ecology, silviculture, communications, engineering, inventory sampling, photo interpretation and forest health. **Careers:** Graduates find work in forest inventory, silviculture, engineering, forest protection or watershed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

### Entrance Requirements

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.

### Application Details

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



## Geographic Information Systems – Advanced Diploma (9100)

### Program Info

Full-time – 1 year. Part-time – 2–4 years. Starts in September.

### Program and Career Description

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.

### Entrance Requirements

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 (COMM 0014).

### Application Details

Application Processing: Full-time – Oct. 1 to March 31. Part-time – Ongoing throughout the year. Applications are considered for a specific intake.

## Geomatics – Bachelor of Technology (8350)

### Program Info

Part-time – students must complete within six years.

Accelerated – 12 months. Courses start in January, April, September.

### Program and Career Description

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, technical experts in the areas of mapping or hydrography, managers of GIS and surveying and mapping operations, or as GIS analysts.

### Entrance Requirements

English 12 or equivalent. A recognized Diploma of Technology, or equivalent, in an engineering or science discipline or related field, or a degree in Engineering, Science, Applied Science or related field. Six months relevant work experience (two years of approved work experience is required before graduation). 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 (COMM 0014). Interview with program head.

### Application Details

Application Processing: Ongoing throughout the year.

## Geomatics Engineering Technology – Diploma of Technology (7490)

### Program Info

Full-time – 2 years. Starts in September.

### Program and Career Description

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, oil and gas industry, government mapping, highway, planning and engineering departments, and utility companies.

### Entrance Requirements

High-school graduation. English 12, Principles of Math 12 (P) 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. Applicants who have completed Earth Science 11 and Geology 12 are eligible to apply for course credit in BCIT course SURV 2263.

### Application Details

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



## Want more detailed program information?

Use our inquiry card to request  
more information by e-mail  
or regular mail.



### **Attend an information session**

Register online for upcoming information sessions  
and special events, at [www.bcit.ca/infosessions](http://www.bcit.ca/infosessions).

### **Explore your opportunities at BCIT**

Check our Web site for more information on the  
following events coming up at the Burnaby Campus:

#### **Big Info Session and Program Expo**

October 13, 2004

#### **Special Information Sessions**

February 2005

#### **Burnaby Campus Tours**

Offered all year-round

[www.bcit.ca/tours](http://www.bcit.ca/tours)



*BRITISH COLUMBIA  
INSTITUTE OF TECHNOLOGY  
A POLYTECHNIC INSTITUTION*

**Other ways to get more information...**

Visit BCIT's Web site at [www.bcit.ca](http://www.bcit.ca)

Call Student Information and Enrolment  
Services at 604-434-1610.



**The path you choose can  
make all the difference.**



## Mining Technology – Diploma of Technology (6600)

### Program Info

Full-time – 2 years. Starts in September.

### Program and Career Description

Everyday 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 mineral 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.

### Entrance Requirements

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.

### Application Details

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

## Renewable Resources Management – Advanced Diploma (9275)

### Program Info

Full-time. Part-time. Starts in May.

### Program and Career Description

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

### Entrance Requirements

English 12 or equivalent. A Diploma of Technology or degree in a related field. A GPA of 65 per cent 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 and Recreation and Forest Ecosystems students can apply at the end of their first academic year.

### Application Details

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.

## Renewable Resources – Fish, Wildlife and Recreation – Diploma of Technology (7200)

### Program Info

Full-time – 2 years. Starts in September.

### Program and Career Description

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.

### Entrance Requirements

High-school graduation. English 12 (C), Math 11 (C+) or Principles of Math 11 (C) or Applications of Math 11 (C+), two science courses at Grade 11 or 12 level with a C or better from the following: Biology, Chemistry, Physics, or Applied Physics, Earth Science, Geology, recognized Resource Science 12, Geography or Forestry. At least one science must be Physics, Chemistry or Biology. Biology and Chemistry are preferred. Resume. Letter of intent, preferably hand-written.

### Application Details

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

## Renewable Resources – Forest Ecosystem – Diploma of Technology (7280)

### Program Info

Full-time – 2 years. Starts in September.

### Program and Career Description

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.

### Entrance Requirements

High-school graduation. English 12 (C), Math 11 (C+) or Principles of Math 11 (C) or Applications of Math 11 (C+), two science courses at Grade 11 or 12 level with a C or better from the following: Biology, Chemistry, Physics, or Applied Physics, Earth Science, Geology, recognized Resource Science 12, Geography or Forestry. At least one science must be Physics, Chemistry or Biology. Resume. Letter of intent, preferably hand-written.

### Application Details

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

### Technology Entry

See *Engineering Technologies*





## BUSINESS AND MEDIA

### Accounting – Bachelor of Technology (8400)

#### Program Info

Part-time (students must complete within 7 years). Courses start in January, April, September.

#### Program and Career Description

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.

#### Entrance Requirements

English 12 or equivalent. BCIT Financial Management diploma or equivalent with an average of at least 70 per cent. An interview with the program head (call 604-432-8786). Access to a computer with a modem.

#### Application Details

Application Processing: Ongoing throughout the year.

### Advanced Studies in Business – Bachelor of Business Administration (9950)

#### Program Info

Full-time or part-time. Starts in September.

#### Program and Career Description

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 degree will provide students with opportunities to meet the needs of business, government, and industry for highly trained management generalists.

#### Entrance Requirements

BCIT Diploma in Financial Management, Human Resource Management, Information Technology Management, Integrated Management Studies, International Trades and Transportation, Marketing, or Operations Management (with an overall 72 per cent grade average). 200-word letter of application which includes a summary of work experience and reasons you want to pursue the BBA.

#### Application Details

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

### Airline and Flight Operations

*See Trades and Apprenticeship*

### Airport Operations – Diploma of Technical Studies (1070)

#### Program Info

Full-time – 16 months. Starts in September.

#### Program and Career Description

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.

#### Entrance Requirements

High-school graduation. English 12 or BCIT English Language Assessment (COMM 0015), Math 11 or BCIT Math Competency Test. A valid BC driver's licence. Completion of BCIT Aerospace pre-entry assessment test for English, Math and Spatial Perception. Letter of intent. Note: There are federal government and/or unique industry policies and information that apply to this program; visit [www.bcit.ca](http://www.bcit.ca) for details.

#### Application Details

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.

### Broadcast and Media Communications – Broadcast Journalism – Diploma of Technology (610A)

#### Program Info

Full-time – 2 years. Starts in September.

#### Program and Career Description

News writing, audio and video editing, research, reporting and announcing are combined with a substantial background in politics, economics and other applicable subjects. Regular newsroom and field reporting operations develop students' experience in news judgement, reporting and presentation.

**Careers:** Work throughout BC and the world over, wherever radio, television, cable facilities, audio and video production operations exist.

#### Entrance Requirements

High-school graduation. English 12. Successful completion of an entrance exam that evaluates English literacy, current events awareness, general knowledge and broadcast industry awareness. Proficiency in keyboarding and applied computer skills. 500-1,000-word essay detailing personal history, career goals and reasons for choosing broadcasting as a career. Letters of reference. Resume. Possible interview.

#### Application Details

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

### Broadcast and Media Communications – Radio – Diploma of Technology (610B)

#### Program Info

Full-time – 2 years. Starts in September.

#### Program and Career Description

Learn on-air performance and operations, interviewing, commercial copywriting, digital and analog production, and news and sports reporting on current industry equipment. **Careers:** Employment opportunities include: radio on-air host (disc jockey), commercial copywriter, audio producer, music programmer, production assistant, feature editor/reporter, researcher, news reporter.

#### Entrance Requirements

See Broadcast and Media Communications – Broadcast Journalism – Diploma of Technology above.

#### Application Details

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





## Broadcast and Media Communications – Television – Diploma of Technology (610C)

### Program Info

Full-time – 2 years. Starts in September.

### Program and Career Description

This program covers commercial, public affairs, variety and studio program production, music videos, dramas, corporate and industrial videos, single-camera and studio production techniques, news video, editing and post-production, television audio and multi-track recording. **Careers:** Graduates are able to work in a variety of positions in television, video production houses, corporate and industrial production, cable television operations and as freelancers.

### Entrance Requirements

See Broadcast and Media Communications – Broadcast Journalism – Diploma of Technology on page 31.

### Application Details

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

## Business Administration (Post-diploma) – Diploma of Technology (5200)

### Program Info

Full-time – 1 year. Starts in September.

### Program and Career Description

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.

### Entrance Requirements

English 12 (C+) or equivalent. 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 Details

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

## Design Essentials – Management Certificate (6190)

### Program Info

Full-time – 1 year.

### Program and Career Description

BCIT partners with the Emily Carr Institute of Art and 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.

### Entrance Requirements

High-school graduation. Interview. Portfolio. Attendance at an information session.

### Application Details

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

## Digital Animation

See *Computing and Information Technology*

## Financial Management – Diploma of Technology (585B)

### Program Info

Full-time – 2 years. Starts in September.

### Program and Career Description

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.

### Entrance Requirements

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.

## Human Resource Management – Diploma of Technology (625A)

### Program Info

Full-time – 2 years. Starts in September.

### Program and Career Description

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.

### Entrance Requirements

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

### Application Details

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

## Human Resource Management (Post-diploma) – Diploma of Technology (5950)

### Program Info

Full-time – nine months. Starts in September.

### Program and Career Description

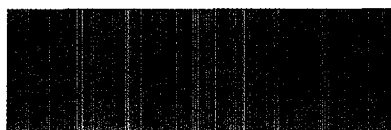
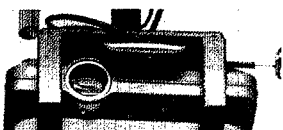
Provides specialized knowledge, skills and abilities related to organizational systems and processes that focus upon enhancing human behaviour in the workplace. **Careers:** Graduates are prepared for entrance, at a professional/technical level, into either a generalist or specialist human resource management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

### Entrance Requirements

English 12. College or University Degree or Diploma of Technology. FMGT 1152 (65 per cent or better), ECON 2200 (65 per cent 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 Details

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





## BUSINESS AND MEDIA

### Information Technology Management – Diploma of Technology (6230)

#### Program Info

Full-time – 2 years. Starts in September.

#### Program and Career Description

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).

#### Entrance Requirements

High-school graduation. English 12 (C+), Math 11 (C+). Math 12 highly recommended. Resume. Letter of intent. Good interpersonal and teamwork skills.

#### Application Details

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

### Integrated Management Studies – Diploma of Technology (6240)

#### Program Info

Full-time – 2 years. Starts in September.

#### Program and Career Description

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.

#### Entrance Requirements

High-school graduation. English 12 (C+), Math 11 (C+). Resume. Letter of intent. Good interpersonal and teamwork skills.

#### Application Details

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

### International Trade and Transportation – Diploma of Technology (7480)

#### Program Info

Full-time – 2 years. Starts in September.

#### Program and Career Description

Provides broad training in the fundamentals of business and 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.

#### Entrance Requirements

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 per cent or higher on the BC English 12 Provincial Examination.

#### Application Details

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

### Management – Bachelor of Technology (8700)

#### Program Info

Distance Education – students must complete within 7 years.

#### Program and Career Description

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.

#### Entrance Requirements

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://www.bcit.ca/study/programs/8700btech>.

#### Application Details

Application Processing: Ongoing throughout the year.

### Marketing Management – Commercial Real Estate Option – Diploma of Technology (630R)

#### Program Info

Full-time – 2 years. Starts in September.

#### Program and Career Description

Marketing plays a pivotal role in the identification of critical issues, strategic planning and project execution required for businesses to survive and succeed. This option focuses on commercial property sales and investment analysis skills. **Careers:** Graduates find employment in sales, agent, mortgage brokerage, appraisal, property management, and investment analyst positions.

#### Entrance Requirements

High-school graduation. English 12 (C+) or better, Math 11 (C+) or better. Resume. Letter of intent. Two letters of reference. A personal interview with the program faculty may be required to obtain final acceptance.

#### Application Details

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

### Marketing Management – Communications Direct Response Option – Diploma of Technology (603T)

#### Program Info

Full-time – 2 years. Starts in September.

#### Program and Career Description

Internet marketing, e-commerce, and web and database marketing, blended with a Marketing Communications specialization are the highlights of this option. **Careers:** Graduates are sought by industries that use Internet marketing, direct marketing and database marketing such as the technology sector.

#### Entrance Requirements

See Marketing Management – Commercial Real Estate Option above.

#### Application Details

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

## Marketing Management – Entrepreneurship Option – Diploma of Technology (630H)

### Program Info

Full-time – 2 years. Starts in September.

### Program and Career Description

The curriculum of this option follows the stages of business development from idea generation through to start-up and growth. **Careers:** Students graduate with a toolbox of skills for jobs ranging from marketing managers in high-growth companies to self-employment as entrepreneurs.

### Entrance Requirements

See Marketing Management – Commercial Real Estate Option on page 33.

### Application Details

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

## Marketing Management – Marketing Communications Option – Diploma of Technology (630S)

### Program Info

Full-time – 2 years. Starts in September.

### Program and Career Description

Development of creative communication skills and campaign planning are the focus of this option. **Careers:** Graduates are employed in a variety of positions within advertising and public relations firms, broadcasting and publishing firms, in-house marketing and promotion operations, and production companies, as well as in high technology and not-for-profit sectors.

### Entrance Requirements

See Marketing Management – Commercial Real Estate Option on page 33.

### Application Details

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

## Marketing Management – Professional Sales Option – Diploma of Technology (630V)

### Program Info

Full-time – 2 years. Starts in September.

### Program and Career Description

This option emphasizes professional selling techniques such as planning, researching, promotion, merchandising and relationship-building techniques, required to present sophisticated products and services to professional buyers. **Careers:** Graduates find sales positions in manufacturing, wholesale/retail and service organizations.

### Entrance Requirements

See Marketing Management – Commercial Real Estate Option on page 33.

### Application Details

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

## Marketing Management – Tourism Option – Diploma of Technology (630J)

### Program Info

Full-time – 2 years. Starts in September.

### Program and Career Description

This option focuses on the marketing aspects of tourism destinations, facilities, products and services. **Careers:** Graduates find employment in firms or organizations engaged in developing new tourism products and services or expanding the existing demand for services; in destination management organizations; and, in conference and event planning firms and associations.

### Entrance Requirements

See Marketing Management – Commercial Real Estate Option on page 33.

### Application Details

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

## New Media CD-Rom and Web Development

See Computing and Information Technology

## Office Administrator with Technology

See Computing and Information Technology

## Operations Management – Diploma of Technology (6900)

### Program Info

Full-time – 2 years. Starts in September.

### Program and Career Description

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.

### Entrance Requirements

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

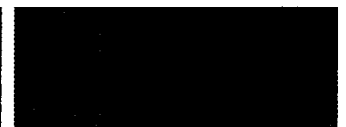
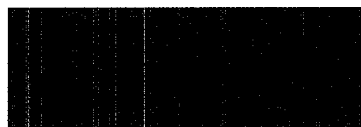
### Application Details

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



“What I enjoy most about BCIT is that I have the freedom to do what I really like doing – teaching. I also enjoy the camaraderie with my colleagues in my own department and others. I love the place and I love the job.”

– Glen Murray, Instructor,  
Operations Management program





## BUSINESS AND MEDIA

### Technology Infrastructure Management

See *Computing and Information Technology*

### Technology Management – Bachelor of Technology (8350)

#### Program Info

Part-time/Distance Education – 3–5 years (students must complete within 7 years). Courses start in January, April, September.

#### Program and Career Description

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.

#### Entrance Requirements

English 12 or equivalent. Diploma of Technology, Technical Studies or Trades Training from BCIT or equivalent institution or a related degree from a recognized post-secondary institution. Two years of relevant work experience, subject to departmental approval. Personal interview with program head. For information on an alternate entry model please see <http://www.bcit.ca/study/programs/8350btech>.

#### Application Details

Application Processing: Ongoing throughout the year.

### Venture Program – Associate Certificate (7820)

#### Program Info

Full-time – 3 months.

#### Program and Career Description

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.

#### Entrance Requirements

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 word processing course). If an inventor or manufacturer, must be at the prototype stage.

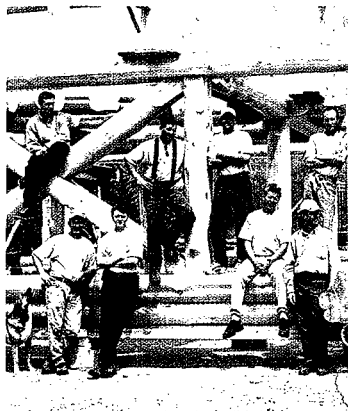
#### Application Details

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



“The skills I developed at the Venture Program helped me to analyze my product ideas to see if they'd actually make money.”

*Arzeena Hamir,  
Terra Viva Organics,  
Venture Program grad*



“The Venture Program is the best investment I have ever made.”

*Andy Koberwitz,  
West Coast Log Homes,  
Venture Program grad*



“The Venture Program helped us discover a perfectly suited location for our business.”

*Penny Chan,  
Patisserie LEBEAU,  
Venture Program grad*



## COMPUTING AND INFORMATION TECHNOLOGY

### CAD Programming

See *Engineering Technologies*

### Computer and Business Equipment Technician – Diploma of Technical Studies (1330)

#### Program Info

Full-time – 40 weeks. Starts in late August.

#### Program and Career Description

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.

#### Entrance Requirements

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 pre-test is acceptable for English only. Completion of a Math 12 competency exam through the BCIT Mathematics department also acceptable. Good physical condition.

#### Application Details

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

### Computer Systems and Network Fundamentals – Certificate of Technical Studies (1830)

#### Program Info

Full-time – 40 weeks. Starts in September.

#### Program and Career Description

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.

#### Entrance Requirements

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

#### Application Details

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

### Computer Systems Technology – Bachelor of Technology (8200)

#### Program Info

Full-time – 15 months or 2 years. Part-time (students must complete within 7 years). Courses start in January, April, September.

#### Program and Career Description

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.

#### Entrance Requirements

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 Details

Application Processing: Ongoing throughout the year.

### Computer Systems Technology – Diploma of Technology (5500)

#### Program Info

Full-time – 2 years. Starts in September (sometimes January).

#### Program and Career Description

Options in: Client Server, Database Management, Data Communications and Internetworking, Digital Processing, Embedded Systems, Information Systems, Systems Integration, Technical Programming. Provides the knowledge, skills, experience and the latest technology know-how for graduates to succeed in the computing and IT industry. Skills developed in this program will equip graduates to participate fully in an ever-growing number of industries and job opportunities. Careers: Graduates take on roles ranging from traditional developers, analysts and programmers to graphic designers, Internet application architects, customer support, systems integrators and consultants. There are rewarding career opportunities in technology marketing, consulting, gaming and entertainment, Internet and web development, mobile communication, and customer support in business, engineering, manufacturing, health, entertainment or education.

#### Entrance Requirements

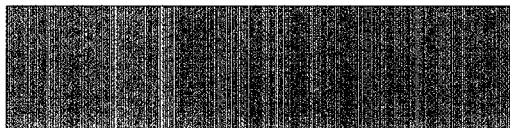
High-school graduation. English 12 (C+), Principles of Math 12 (C+) or Applications of Math 12 (B). Letter of intent. Applicants may be required to demonstrate programming skills or aptitudes before acceptance into the program.

#### Application Details

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.

"I was looking to make a career change into the information technology field. Having a degree already I did not want years more of school. BCIT's Computer Systems Technology programs are well-structured and industry-driven so students are learning skills that are relevant to today's market. This program provided me with excellent instruction, a simulated business environment and a three-month work practicum. I had a full-time job within one month of graduating and have been working in IT ever since."

– Liesl Fonseca, Business Systems Analyst,  
Fincentric Corporation, grad







## COMPUTING AND INFORMATION TECHNOLOGY

### Digital Animation – Management Certificate (6430)

#### Program Info

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

#### Program and Career Description

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 junior animators in the entertainment industry.

#### Entrance Requirements

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

#### Application Details

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

### Electrical and Computer Engineering Technology

See *Engineering Technologies*

### Electronics

See *Engineering Technologies*

### Information Technology Management

See *Business and Media*

### Internet Systems Technician – Diploma of Technical Studies (2770)

#### Program Info

Full-time – 40 weeks. Starts in September.

#### Program and Career Description

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.

#### Entrance Requirements

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 pre-test is acceptable for English and Math. Completion of a Math 12 competency exam through the BCIT Mathematics department also acceptable.

#### Application Details

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

### Networking Systems Technician – Diploma of Technical Studies (1840)

#### Program Info

Full-time – 40 weeks. Starts in September.

#### Program and Career Description

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.

#### Entrance Requirements

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 pre-test is acceptable for English and Math. Completion of a Math 12 competency exam through the BCIT Mathematics department also acceptable.

#### Application Details

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

### New Media Design CD-ROM and Web Development – Senior Management Certificate (6410)

#### Program Info

Full-time or part-time – 52 weeks.

#### Program and Career Description

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.

#### Entrance Requirements

Information session attendance. Entrance exam.  
High-school graduation. Interview.

#### Application Details

Application packages and information can be obtained during the required information session. See [www.bcit.ca/infosessions](http://www.bcit.ca/infosessions) for a current schedule.

### Office Administrator with Technology – BCIT/Industry Partnership (6989)

#### Program Info

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

#### Program and Career Description

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.

#### Entrance Requirements

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

#### Application Details

Application packages and information can be obtained from the High-Tech Professional Programs office. Call 604-412-7788, e-mail [info@htp.bcit.ca](mailto:info@htp.bcit.ca) or visit [www.htp.bcit.ca](http://www.htp.bcit.ca).





## COMPUTING AND INFORMATION TECHNOLOGY

### Robotics and Automation

See *Engineering Technologies*

### Software Systems Developer – Certificate of Technology (6997)

#### Program Info

Full-time – 30 weeks. Multiple start dates each year.

#### Program and Career Description

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.

#### Entrance Requirements

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

#### Application Details

Application packages and information can be obtained from the High-Tech Professional Programs office. Call 604-412-7788, e-mail [info@htp.bcit.ca](mailto:info@htp.bcit.ca) or visit [www.htp.bcit.ca](http://www.htp.bcit.ca).

### Technology Entry

See *Engineering Technologies*

### Technology Infrastructure Management – Advanced Diploma (9820)

#### Program Info

Full-time – 1 year.

#### Program and Career Description

This program prepares individuals to plan and manage the technology infrastructure of an enterprise. Knowledge and skill development in business operations, communication, leadership and 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 or systems manager in a variety of industries, including business, finance, government, health, information technology, telecommunications, and service.

#### Entrance Requirements

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. Selection interview with a faculty member from the department.

#### Application Details

Application packages and information can be obtained from the High-Tech Professional Programs office. Call 604-412-7788, e-mail [info@htp.bcit.ca](mailto:info@htp.bcit.ca) or visit [www.htp.bcit.ca](http://www.htp.bcit.ca).



### Technology Support Professional – BCIT/Industry Partnership (6985)

#### Program Info

Full-time – 40 weeks. Multiple start dates each year.

#### Program and Career Description

This program focuses on help desk/call centre support, network 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.

#### Entrance Requirements

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

#### Application Details

Application packages and information can be obtained from the High-Tech Professional Programs office. Call 604-412-7788, e-mail [info@htp.bcit.ca](mailto:info@htp.bcit.ca) or visit [www.htp.bcit.ca](http://www.htp.bcit.ca).





## ENGINEERING TECHNOLOGIES

### Aerospace or Aviation Programs

See *Trades and Apprenticeship* for:

Aircraft Gas Turbine Technician  
Aircraft Interior Technician  
Aircraft Maintenance Engineer Category E (Avionics)  
Aircraft Maintenance Engineer Category M (Maintenance)  
Aircraft Maintenance Engineer Category S (Structures)  
Aircraft Mechanical Component Technician  
Aircraft Structures Manufacturing Technician  
Airline and Flight Operations

### Architectural and Building Engineering Technology – Diploma of Technology (5910)

#### Program Info

Full-time – 2 years. Starts in September.

#### Program and Career Description

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.

#### Entrance Requirements

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 5 years. Department approval may be granted to applicants who do not meet this timeframe criterion. 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 Details

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

### Architectural Science – Bachelor of Technology (8050)

#### Program Info

Full-time – 4 years. Starts in September.

#### Program and Career Description

Architectural technology is a bridge between pure design and construction practice. This program covers technical, artistic and managerial skills required by architectural technologists, and explores the application of technological theory and practices in architectural planning, design and construction. **Careers:** Graduates find opportunities in architecture, engineering and construction.

#### Entrance Requirements

High-school graduation. English 12 (C), Principles of Math (C) or Applications of Math 12 (C), Physics 11 (C). Resume. 500-word handwritten letter of intent. Portfolio submission demonstrating graphic communication and visualization skills in two and three dimensions through drawings, sculptures, photographs, etc. Requirements must have been completed within the past five years. Department approval may be granted to applicants who do not meet this timeframe criterion. 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.

### Biomedical Engineering Technology

See *Health Sciences*

### Bridge Watchman

See *Trades and Apprenticeship*

### CAD Programming (Post-diploma) – Diploma of Technology (5450)

#### Program Info

Full-time – 1 year. Starts in September.

#### Program and Career Description

Develops skills to allow engineers and technologists to take full advantage of CAD technology through customization and application development.

**Careers:** Diverse areas of engineering including drafting/designing, CAD system management, software development and system automation.

#### Entrance Requirements

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 Details

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

### Chemical Sciences

See *Applied and Natural Sciences*

### Civil Engineering Technology – Diploma of Technology (5410)

#### Program Info

Full-time – 2 years. Starts in September.

#### Program and Career Description

Civil 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, detailer, technical sales representative, material testing technician, survey assistant and CADD operator.

#### Entrance Requirements

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 Details

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

### Construction Management – Bachelor of Technology (8800)

#### Program Info

Part-time – students must complete within 6 years. Intensive – 12 months.

Courses start in January, April, September.

#### Program and Career Description

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.



### Entrance Requirements

There are several different ways in which you can be accepted into the program. Please see [www.bcit.ca](http://www.bcit.ca) for information on these options. For all options, English 12 (C) or equivalent, 6 months of relevant work experience (2 years approved work experience is required before graduation) and an interview with the program head for approval of work experience are required.

### Application Details

Application Processing: Ongoing throughout the year.

### Construction Management – Master of Science (conferred by the University of Bath in partnership with BCIT) (8800)

#### Program Info

Part-time/distance education – 3 years (students have 5 years to complete). Starts in April and September.

#### Program and Career Description

This program offers management training for mid-career professionals in the construction industry. Skills developed through the program lead to enhanced organizational performance and profitability.

#### Entrance Requirements

English 12 or equivalent. A relevant undergraduate degree with 3-5 years of related management experience. Opportunities also exist for others to be considered based on academic achievements, professional standing and significant related experience, see <http://www.bcit.ca/study/programs/8800nobcit> for details.

### Electrical and Computer Engineering Technology – Diploma of Technology (548C)

#### Program Info

Full-time – 2 years. Starts in September and February.

#### Program and Career Description

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.

#### Entrance Requirements

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 Student Information and Enrolment Services. 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 Details

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

### Electronics – Bachelor of Technology (8900)

#### Program Info

Part-time – students must complete within 7 years. Courses start in January, April, September.

#### Program and Career Description

This engineering-level program provides graduates with knowledge and skills to work with and design electrical, computer, automation and communication systems. Through 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.

#### Entrance Requirements

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 per cent. Alternatively, an equivalent level of education at the post-secondary level and 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 6 months mentioned earlier) prior to graduation. Interview with program head.

#### Application Details

Application Processing: Ongoing throughout the year.

### Electronics Technician Common Core – Certificate of Technical Studies (1800)

#### Program Info

Full-time – 30 weeks. Multiple start dates each year.

#### Program and Career Description

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.

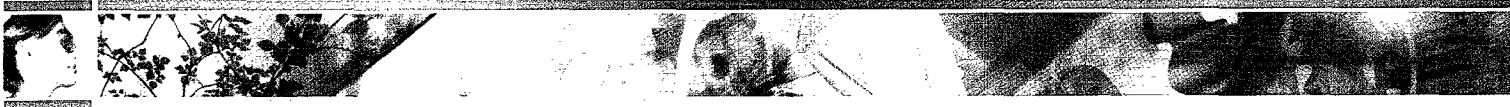
#### Entrance Requirements

High-school graduation. English 12 or Communications 12, Academic Math 11 (C), Math 12 recommended. BCIT pre-test is acceptable for English only. Completion of a Math 12 competency exam through the BCIT Mathematics department is also acceptable. Good hand/eye coordination and good colour vision.

#### Application Details

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





## ENGINEERING TECHNOLOGIES

### **Environmental Engineering Technology – Bachelor of Technology (8000)**

#### **Program Info**

Part-time – students must complete within 6 years. Intensive – 12 months.  
Courses start in January, April, September.

#### **Program and Career Description**

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 members of multi-disciplinary teams addressing the environmental challenges faced by industry.

#### **Entrance Requirements**

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 Details**

Application Processing: Ongoing throughout the year.

### **First Mate, Intermediate Voyage**

*See Trades and Apprenticeship*

### **Geographic Information Systems**

*See Applied and Natural Sciences*

### **Geomatics**

*See Applied and Natural Sciences for:*

Geomatics Engineering Technology  
Geomatics, Bachelor of Technology

### **Industrial Instrumentation Service Technician**

*See Trades and Apprenticeship*

### **Manufacturing – Bachelor of Technology (8600)**

#### **Program Info**

Part-time – 3-5 years (students must complete within 6 years). Courses start in January, April, September

#### **Program and Career Description**

A career-enhancement degree program to provide graduate engineers and technologists with the skills and knowledge for the use of advanced technology in manufacturing.

#### **Entrance Requirements**

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.

#### **Application Details**

Application Processing: Ongoing throughout the year.

### **Marine Training Programs**

*See Trades and Apprenticeship for:*

Marine Engineering First, Second, Third, Fourth Class

Marine Engineering

Master 350 GT

Master Limited, over 60 GRT

Master, Intermediate Voyage

### **Mechanical Engineering Technology – Diploma of Technology (635C)**

#### **Program Info**

Full-time – 2 years. Starts in September.

#### **Program and Career Description**

Options in: Design/Computing, Mechanical Design, Mechanical Manufacturing, Mechanical Systems. 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.

#### **Entrance Requirements**

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.

#### **Application Details**

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

### **Nautical Sciences**

*See Trades and Apprenticeship*

### **Plastics Engineering Technology – Diploma of Technology (7920)**

#### **Program Info**

Full-time – 2 years. Starts in September.

#### **Program and Career Description**

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.

#### **Entrance Requirements**

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.

#### **Application Details**

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





## Power and Process Engineering – Diploma of Technical Studies (2350)

### Program Info

Full-time – 40 weeks. Starts in August.

### Program and Career Description

This program provides practical and technical knowledge and skills to those 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.

### Entrance Requirements

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; 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.

### Application Details

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

## Power Engineering (General) – Certificate of Trades Training (2410)

### Program Info

Full-time – 40 weeks. Starts in August.

### Program and Career Description

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.

### Entrance Requirements

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

### Application Details

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

## Power Engineering (Technical) – Certificate of Technical Studies (2400)

### Program Info

Full-time – 40 weeks. Starts in August.

### Program and Career Description

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 a Fourth Class Power Engineer plant operator or continue with Power and Process Engineering program.

### Entrance Requirements

High-school graduation. English 12 or Communications 12, Academic Math 12, Physics 11. BCIT pre-test is acceptable for English, Math and Physics. Good physical condition.

### Application Details

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

## Robotics and Automation – Diploma of Technology (7350)

### Program Info

Full-time – 2 years. Starts in September.

### Program and Career Description

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.

### Entrance Requirements

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.

### Application Details

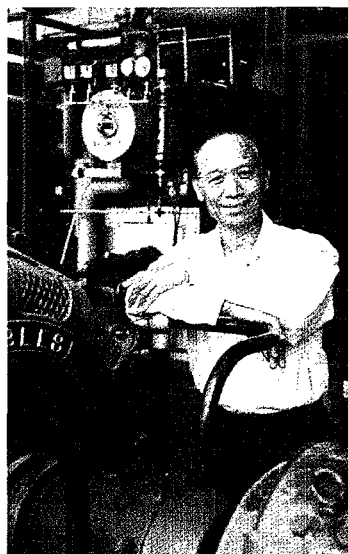
Application Processing: Oct. 1 until program fills. Applications are considered for a specific intake.

## Security Systems Technician

*See Trades and Apprenticeship*

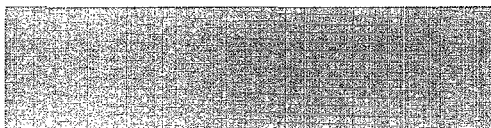
## Technology Management

*See Business and Media*



"BCIT is one of the top-ranked polytechnic institutions in Canada. Most of the programs prepare students with practical, up-to-date knowledge and skills required for the job market. It feels good to be an instructor at BCIT."

– Bob Chang, Instructor,  
Power Engineering Group





## ENGINEERING TECHNOLOGIES

### Technology Entry (TE) (0090)

#### Program Info

Full-time – 15 weeks. Starts in September, January and April.

#### Program and Career Description

This day-school program provides academic upgrading to students who wish to register in Computer Systems, 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 two or more prerequisites for a BCIT program.

#### Entrance Requirements

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 8 years of the application date. Additional assessment of student applications is required for some programs.

#### Application Details

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.

### Technology Teacher Education

See Trades and Apprenticeship



"When I inquired at Telus about a career as an installer/repairperson, I was told that people with training from BCIT would have the edge. I got my Diploma from BCIT and haven't looked back. I learned early in my training at Telus that BCIT had given me the solid foundation I needed not just to succeed, but to excel in my chosen career."

– Desmond Renard,

field services representative, Telus Customer Solutions Delivery.

Telecommunications Technician grad,

CISCO Networking Academy Levels 1 to 4

### Telecommunications Technician – Diploma of Technical Studies (2750)

#### Program Info

Full-time – 40 weeks. Starts in September and January.

#### Program and Career Description

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.

#### Entrance Requirements

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 pre-test is acceptable for English only.

Completion of a Math 12 competency exam through the BCIT Mathematics department also acceptable.

#### Application Details

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

### Watchkeeping Mate Restricted (WKMR)

See Trades and Apprenticeship

### Wireless Communications Technician – Diploma of Technical Studies (2780)

#### Program Info

Full-time – 40 weeks. Starts in August.

#### Program and Career Description

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.

#### Entrance Requirements

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 pre-test acceptable for English only. Completion of a Math 12 competency exam through the BCIT Mathematics department also acceptable.

#### Application Details

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



# Program Inquiry Card



Thank you for your interest in BCIT. This inquiry card offers two methods to receive information on BCIT programs and services. Please let us know if you would prefer information sent via regular mail or e-mail.

## Step One

- ☐ Please e-mail me an Internet link for more information on the BCIT programs indicated below.

First Name: | | | | | | | | | | | | | | | | | | | | | |

Last Name: | | | | | | | | | | | | | | | | | | | | | |

E-mail: | | | | | | | | | | | | | | | | | | | | | |

OR

- ☐ Please mail me more information on the BCIT programs indicated below.

*The information you provide will allow us to add you to our mailing list for future program information. You will also be assigned a student number. For faster service, please use this number on all future dealings with BCIT. In order to avoid duplication of records on our computer system, please write your birth date in the space provided.*

First Name: | | | | | | | | | | | | | | | | | | | | | |

Last Name: | | | | | | | | | | | | | | | | | | | | | |

Mailing Address: | | | | | | | | | | | | | | | | | | | | | |

City: | | | | | | | | | | | | | | | | | | | | | | Prov: | | | | | |

Country: | | | | | | | | | | | | | | | | | | | | | | Postal Code: | | | | | |

Tel: ( | | | | | ) | | | | | | | | | |

Fax: ( | | | | | ) | | | | | | | | | |

E-mail: | | | | | | | | | | | | | | | | | | | | | |

Birthdate: \_\_\_\_ / \_\_\_\_ / \_\_\_\_ (dd/mm/yy) Male ☐ Female ☐

## Check boxes for additional information to be mailed to you:

- |   |   |
|---|---|
| <input type="checkbox"/> Student Housing                  | <input type="checkbox"/> Disability Resource Centre       |
| <input type="checkbox"/> Student Financial Aid and Awards | <input type="checkbox"/> Aboriginal Programs and Services |
| <input type="checkbox"/> Part-time Studies Guide          | <input type="checkbox"/> International Students           |

## Step Two

Please indicate which BCIT programs you are interested in by filling in the corresponding Program Code and Name as found in the Path Finder program guide.

Program Code      Program Name

| | | | |      | | | | | | | | | | | | | | | | | | | | | |

| | | | |      | | | | | | | | | | | | | | | | | | | | | |

| | | | |      | | | | | | | | | | | | | | | | | | | | | |

## Step Three

How did you obtain the BCIT Path Finder guide to full-time programs?

- |   |   |
|---|---|
| <input type="checkbox"/> Picked up from a BCIT campus     | <input type="checkbox"/> Mailed to me                                   |
| <input type="checkbox"/> Visit by a BCIT representative   | <input type="checkbox"/> A BCIT Information Session                     |
| <input type="checkbox"/> Off-campus career/education fair | <input type="checkbox"/> Picked up from a counselling/<br>career centre |



1000010410-V5G3H2-BR01

STUDENT INFORMATION AND ENROLMENT SERVICES

3700 WILLINGDON AVE

BURNABY BC V5G 9Z9

### Biomedical Engineering Technology – Diploma of Technology (5050)

#### Program Info

Full-time – 2 years. Starts in September.

#### Program and Career Description

This program provides a 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, participation in research and development, purchase specification, equipment evaluation, testing and commissioning, operator training, and the management of risks involving the use of biomedical equipment.

#### Entrance Requirements

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 Details

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.

### Biotechnology

*See Applied and Natural Sciences*

### Cardiology – Diploma of Technology (530A)

#### Program Info

Distance Education. Full-time or part-time.

#### Program and Career Description

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.

#### Entrance Requirements

High-school graduation. English 12 (B or better)\*, 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 2 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.

\*All ESL applicants must undergo a verbal assessment (TSE 50+ or equivalent) in addition to other testing in reading, writing and grammar as proof of English-Language proficiency equivalent to English 12 at B or better.

#### Application Details

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)

#### Program Info

Full-time – 13.5 months. Starts in September.

#### Program and Career Description

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.

#### Entrance Requirements

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 Details

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

### Diagnostic Medical Sonography (Post-diploma) – Diploma of Technology (5650)

#### Program Info

Full-time – 12 months. Starts in September.

#### Program and Career Description

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.

#### Entrance Requirements

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 two-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 Details

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





## HEALTH SCIENCES

### Electroneurophysiology Technology – Diploma of Technology (5750)

#### Program Info

Full-time – 2 years. Starts in September of alternate years – next intake 2006.

#### Program and Career Description

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).

#### Entrance Requirements

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 Details

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

### Environmental Health – Public Health Inspection – Bachelor of Technology (8500)

#### Program Info

Full-time – 2 years. Starts in September.

#### Program and Career Description

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.

#### Entrance Requirements

Applicants are required to complete either two years of post-secondary course work which includes 60 semester credits of first- and second-year courses or an appropriate credential. For detailed information on specific requirements please see: [www.bcit.ca/study/programs/8500dbtech](http://www.bcit.ca/study/programs/8500dbtech). Recommended: resume, letter of intent and three letters of reference.

#### Application Details

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

### Food Technology

See *Applied and Natural Sciences*

### Management (Health Specialty) – Bachelor of Technology (8750)

#### Program Info

Distance Education – students must complete within 7 years.

#### Program and Career Description

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.

#### Entrance Requirements

English 12 or equivalent. Diploma or equivalent. Resume. Two years current full-time employment in a management or supervisory position. Computer literacy. Letter of intent. 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 see [www.bcit.ca/study/programs/8750btech](http://www.bcit.ca/study/programs/8750btech).

#### Application Details

Application Processing: Ongoing throughout the year.

### Medical Imaging – Bachelor of Technology (8300)

#### Program Info

Distance Education – students must complete within 6 years.

#### Program and Career Description

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.

#### Entrance Requirements

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 Details

Application Processing: Ongoing throughout the year.

### Medical Laboratory Science – Diploma of Technology (6580)

#### Program Info

Full-time – 2.5 years. Starts in September.

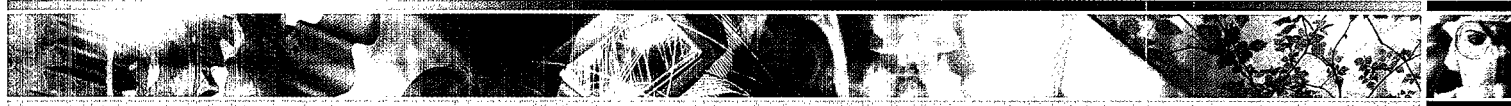
#### Program and Career Description

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).

#### Entrance Requirements

High-school graduation with: English 12 (B), Biology 12 (C+), Chemistry 12 (C+), Math 12 (C+), and Physics 11 (C+). Prerequisites must have been completed during the past 5 years. If longer than 5 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 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.





## HEALTH SCIENCES

### Application Details

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

### Medical Laboratory Science – Professional Qualifying Program – Certificate of Technology (6565)

#### Program Info

Full-time – 1 year. Next intake September 2005.

#### Program and Career Description

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).

#### Entrance Requirements

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 Details

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

### Medical Radiography Technology – Diploma of Technology (6550)

#### Program Info

Full-time – 2.5 years. Starts in January.

#### Program and Career Description

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.

#### Entrance Requirements

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. Excellent physical fitness and mental acuity. Minimum 40 hours of volunteer work in a hospital environment. Basic Life Support (Level C). Medical form. Current immunizations. Interview. Two-day hospital orientation.

#### Application Details

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

### Nuclear Medicine Technology – Diploma of Technology (6700)

#### Program Info

Full-time – 2 years. Starts in September.

#### Program and Career Description

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.

#### Entrance Requirements

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 5 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 Details

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

### Nursing – Bachelor of Technology (8850)

#### Program Info

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

#### Program and Career Description

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 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.

#### Entrance Requirements

High-school graduation or GED or BTSD Level 4 with: English 12 (B) or better, or 3 credits of a 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 5 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/or an English test may be required of short-listed applicants. Attendance at an applicant group meeting. Possible interview.

#### Application Details

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.





## HEALTH SCIENCES

### Occupational Health and Safety – Diploma of Technology (6850)

#### Program Info

Full-time – 2 years. Starts in September.

#### Program and Career Description

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.

#### Entrance Requirements

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 Details

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

### Prosthetics and Orthotics – Diploma of Technology (7100)

#### Program Info

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

#### Program and Career Description

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.

#### Entrance Requirements

High-school graduation. English 12, Math 12, Physics 11. Entrance requirements must have been completed within the past 5 years. Good interpersonal skills, strong academic background, a mechanical aptitude, and good manual dexterity. Letter of intent. In-person interview (for short-listed applicants).

#### Application Details

Application Processing: Oct. 1 until program fills. Applications are considered for a specific intake. The selection process is competitive; BCIT accepts only the most suitable applicants into the program.



“Why do I choose to teach at BCIT? It's my alma mater. And in my opinion, it offers the finest Occupational Health and Safety, Environmental Health Public Health Inspection and Occupational Health Nursing undergraduate-level training in Canada.”

– Warren Fox,  
Instructor, Occupational Health  
and Safety program

### Radiation Therapy Technology – Bachelor of Technology (8650)

#### Program Info

Full-time – 2.75 years. Starts in September.

#### Program and Career Description

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 four radiation therapy departments, located in Vancouver, Surrey, Kelowna, and Victoria with a new treatment facility scheduled to open in Abbotsford in 2006.

#### Entrance Requirements

English 12. Year one university-level academics (30 credits), including 6 credits each of first-year-level Math (preferably calculus-based), Physics and composition-based academic English as well as 6 credits of liberal studies course work with a minimum grade of 60 per cent. Either Physics 12 or post-secondary equivalent (usually PHYS 100) and 6 credits post-secondary physics required. 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. Resume. Medical form. Criminal record search. Interview and basic physics test for short-listed applicants.

#### Application Details

Application Processing: Oct. 1 to March 31. Applications are considered for a specific intake. The selection process is competitive.

### Specialty Nursing – Bachelor of Technology (810F)

#### Program Info

Distance Education.

#### Program and Career Description

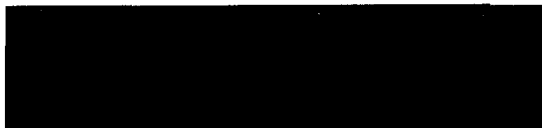
Programs in: Critical Care, Emergency, High Acuity, Neonatal, Nephrology, Occupational Health, Pediatric, Pediatric Critical Care, Perinatal, Perioperative. This is the only degree program in BC designed to prepare Registered Nurses for employment in specialty nursing practice. **Careers:** Learners in this program are Registered Nurses who are either seeking employment in or are employed in one of the nursing specialties listed.

#### Entrance Requirements

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 Details

Application Processing: Ongoing throughout the year.





## TRADES AND APPRENTICESHIP

### **Aerostructures – Apprenticeship Training – Diploma of Trades Training\* (3035)**

#### **Program Info**

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

#### **Program and Career Description**

Aircraft assemblers cut, bend, shape, form and join materials such as carbon fibre, fibreglass and aluminium 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.

#### **Entrance Requirements**

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 pre-test 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](http://www.bcit.ca) for details.

#### **Application Details**

Register through BCIT Apprentice Services:

Tel.: 604-456-8100 • Toll-free: 1-800-667-0676 • E-mail: [apprentice@bcit.ca](mailto:apprentice@bcit.ca)

### **Aircraft Gas Turbine Technician – Certificate of Technical Studies (1030)**

#### **Program Info**

Full-time – 38 weeks. Multiple start dates each year.

#### **Program and Career Description**

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.

#### **Entrance Requirements**

High-school graduation. English 12 or Communications 12, any Math course at the Grade 11 level (Accounting 11 is not acceptable). BCIT pre-test 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](http://www.bcit.ca) for details.

#### **Application Details**

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

### **Aircraft Interior Technician – Associate Certificate of Technical Studies (1025)**

#### **Program and Career Description**

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).

#### **Entrance Requirements**

High-school graduation. English 12 or equivalent. Pass the trades pre-test in Math and Mechanical Reasoning. An applicant who is not a Grade 12 graduate 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](http://www.bcit.ca) for details.

#### **Application 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)**

#### **Program Info**

Full-time – 48 weeks.

#### **Program and Career Description**

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.

#### **Entrance Requirements**

BCIT English-Language proficiency. Electronics Technician Common Core program (Full-time Studies program) with a minimum of 70 per cent in both theory and practical topics and a minimum of 95 per cent attendance. Note: There are federal government and/or unique industry policies and information that apply to this program; visit [www.bcit.ca](http://www.bcit.ca) for details.

#### **Application Details**

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

*\*Specific program criteria must be fulfilled.*





## TRADES AND APPRENTICESHIP

### Aircraft Maintenance Engineer Category M (Maintenance) – Diploma of Technical Studies (1010)

#### Program Info

Full-time – 16 months. Starts every 2 months.

#### Program and Career Description

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.

#### Entrance Requirements

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 (P), BCIT Mechanical Aptitude Test. BCIT pre-test 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](http://www.bcit.ca) for details.

#### Application Details

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

### Aircraft Maintenance Engineer Category S (Structures) – Certificate of Technical Studies (1095)

#### Program Info

Full-time – 37 weeks. Multiple start dates each year.

#### Program and Career Description

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.

#### Entrance Requirements

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 pre-test 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](http://www.bcit.ca) for details.

#### Application Details

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

### Aircraft Mechanical Component Technician – Certificate of Technical Studies (1060)

#### Program Info

Full-time – 29 weeks. Starts in September.

#### Program and Career Description

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 (AMOs) involved in the manufacture and overhaul of airframe systems, as well as major airlines.

#### Entrance Requirements

High-school graduation. English 12 or Communications 12, Academic Math 11 (C or better). BCIT pre-test in Math and English is acceptable. Note: There are federal government and/or unique industry policies and information that apply to this program; visit [www.bcit.ca](http://www.bcit.ca) for details.

#### Application Details

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

### Aircraft Structures Manufacturing Technician – Associate Certificate of Technical Studies (1090)

#### Program Info

Full-time – 16 weeks. Multiple start dates each year.

#### Program and Career Description

This program prepares students to enter occupations related to aircraft manufacturing. **Careers:** Jobs are available at aerospace manufacturing plants throughout Canada.

#### Entrance Requirements

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 pre-test 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](http://www.bcit.ca) for details.

#### Application Details

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

### Airline and Flight Operations – Commercial Pilot – Diploma of Technical Studies (1055)

#### Program Info

Full-time – 64 weeks. Starts in September.

#### Program and Career Description

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.

#### Entrance Requirements

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 which includes: English, math, abstract reasoning, space relations. 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](http://www.bcit.ca) for details.

#### Application Details

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.

*\*Specific program criteria must be fulfilled.*







## TRADES AND APPRENTICESHIP

### Airport Operations

See Business and Media

### Auto Collision Refinishing Technician – Diploma of Trades Training (110A)

#### Program Info

Full-time – 80 weeks including two 16-week work terms.  
Starts in September. Cooperative Education.

#### Program and Career Description

Basic theory and related information, along with hands-on shop practice, enables students to become proficient in autobody refinishing.

**Careers:** Training prepares students for entry-level employment in the automotive collision refinishing trade. The major employers of autobody personnel are dealerships, privately owned service shops and franchised auto collision shops.

#### Entrance Requirements

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

#### Application Details

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

### Auto Collision Repair Technician – Diploma of Trades Training (110B)

#### Program Info

Full-time – 80 weeks including two 16-week work terms. Multiple start dates each year. Cooperative Education.

#### Program and Career Description

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

#### Entrance Requirements

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

#### Application Details

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

### Automated Woodworking Processes – Associate Certificate (2055)

#### Program Info

Full-time – 25 weeks. Intakes twice per year.

#### Program and Career Description

This program is designed to give students a thorough exposure to the practical and theoretical elements of today's high-tech woodworking industry.

#### Entrance Requirements

English 12 or Communications 12, Math 11 (Accounting 11 not accepted).

The BCIT pre-test 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 Details

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

### Automotive Mechanic ELTT – Certificate of Trades Training (1350)

#### Program Info

Full-time – 34 weeks. Multiple start dates each year.

#### Program and Career Description

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.

#### Entrance Requirements

High-school graduation. English 12 (P) or Communications 12 (P), Math 11 (C) (not including Accounting). Valid BC driver's licence. BCIT pre-test is acceptable for English and Math.

#### Application Details

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)

#### Program Info

Full-time – 40 weeks. Starts in September.

#### Program and Career Description

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.

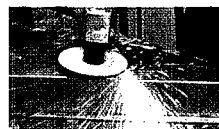
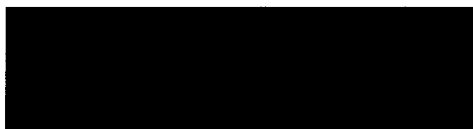
#### Entrance Requirements

High-school graduation. Academic English 12 (C), Math 11 (C) (not including Accounting). Valid BC driver's licence. BCIT pre-test is acceptable for English and Math.

#### Application Details

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

*\*Specific program criteria must be fulfilled.*





## TRADES AND APPRENTICESHIP

### Automotive Mechanic ELTT (Volkswagen) – Certificate of Trades Training (1380)

#### Program Info

Full-time – 40 weeks. Starts in September.

#### Program and Career Description

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.

#### Entrance Requirements

High-school graduation. Academic English 12 (C), Math 11 (C) (not including Accounting). Valid BC driver's licence. BCIT pre-test is acceptable for English and Math. Good physical condition is desirable.

#### Application Details

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

### Automotive Service Technician – Diploma of Trades Training (1260)

#### Program Info

Full-time – 2 years including 36 weeks cooperative education. Starts in the spring each year. Cooperative Education.

#### Program and Career Description

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.

#### Entrance Requirements

High-school graduation. English 12 (C), Academic Math 11 (C+) (not including Accounting). BCIT pre-test is acceptable for English and Math. Valid BC driver's licence. Attendance at a group information session with department staff to determine suitability for the program.

#### Application Details

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

### Automotive Service Technician (Ford ASSET) – Diploma of Trades Training (1270)

#### Program Info

Full-time – 2 years.

#### Program and Career Description

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 employ 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.

#### Entrance Requirements

High-school graduation. English 12 (C), Math 11 (C+) (not including Accounting). BCIT pre-test is acceptable for English and Math. Valid BC driver's licence. Proof of dealer sponsorship. For students without sponsorship, placement may be possible and applicants must contact the ASSET coordinator for a personal interview with the department. Applicants may also be required to attend at a group information session, after all program requirements have been met, to determine suitability.

#### Application Details

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

### Automotive Technician – Apprenticeship Training – Diploma of Trades Training\* (4800)

#### Program Info

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

#### Program and Career Description

This program covers 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.

#### Entrance Requirements

Recommended for success: High-school graduation or equivalent. English 12, any Math 11 (C) (not including accounting). A driver's license that is acceptable for use in BC.

#### Application Details

Register through BCIT Apprentice Services:

Tel.: 604-456-8100 · Toll-free: 1-800-667-0676 · E-mail: [apprentice@bcit.ca](mailto:apprentice@bcit.ca)

### Automotive Technician GM (ASEP) – Apprenticeship Training – Diploma of Trades Training\* (4870)

#### Program Info

Full-time – 5 levels of 8 weeks.

#### Program and Career Description

Over a two-year period, students train on a rotational basis with 8 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.

#### Entrance Requirements

Recommended for success: High-school graduation or equivalent. English 12, any Math 11 (C) (not including Accounting). A valid driver's license that is acceptable for use in BC. BCIT pre-test 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.

#### Application Details

Register through BCIT Apprentice Services:

Tel.: 604-456-8100 · Toll-free: 1-800-667-0676 · E-mail: [apprentice@bcit.ca](mailto:apprentice@bcit.ca)

\*Specific program criteria must be fulfilled.





## TRADES AND APPRENTICESHIP

### Automotive Technician Honda (HAP) – Apprenticeship Training – Diploma of Trades Training\* (4820)

#### Program Info

Full-time – 4 levels of 8 weeks each.

#### Program and Career Description

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.

#### Entrance Requirements

High-school graduation or equivalent. English 12, any Math 11 (C) (not including Accounting). Valid BC driver's licence and transportation.

Acura/Honda dealership sponsorship.

#### Application Details

Register through BCIT Apprentice Services:

Tel.: 604-456-8100 · Toll-free: 1-800-667-0676 · E-mail: [apprentice@bcit.ca](mailto:apprentice@bcit.ca)

### Benchperson – Apprenticeship Training – Diploma of Trades Training\* (3100)

#### Program Info

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

#### Program and Career Description

The skills of a benchperson include the ability to: inspect saws to ensure they are perfectly level; maintain and align components of band saw machines; 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.

#### Entrance Requirements

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.

#### Application Details

Register through BCIT Apprentice Services:

Tel.: 604-456-8100 · Toll-free: 1-800-667-0676 · E-mail: [apprentice@bcit.ca](mailto:apprentice@bcit.ca)

### Boilermaker ELTT – Certificate of Trades Training (1450)

#### Program Info

Full-time – 23 weeks. Multiple start dates each year.

#### Program and Career Description

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.

#### Entrance Requirements

Successful completion of Grade 11 education. English 11, Applications of Math 11. BCIT pre-test 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 Details

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

### Boilermaker – Apprenticeship Training – Diploma of Trades Training\* (3150)

#### Program Info

Full-time – 3 levels of 5 weeks each. Multiple start dates each year.

#### Program and Career Description

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.

#### Entrance Requirements

Recommended for success: Grade 11 education or equivalent. English 11, Applications of Math 11. Department interview.

#### Application Details

Register through BCIT Apprentice Services:

Tel.: 604-456-8100 · Toll-free: 1-800-667-0676 · E-mail: [apprentice@bcit.ca](mailto:apprentice@bcit.ca)

### Bridge Watchman – Associate Certificate of Technical Studies (2925)

#### Program Info

Full-time – 13 weeks.

#### Program and Career Description

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.

#### Entrance Requirements

English-Language proficiency. Proof of 16 years of age. Grade 10 education, completion of any Math at grade 10 level. 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. Resume. Letter of intent.

### Carpentry Framing and Forming – Certificate of Trades Training (1560)

#### Program Info

Full-time – 23 weeks. Multiple start dates each year.

#### Program and Career Description

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.

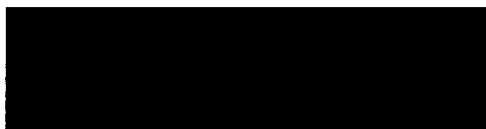
#### Entrance Requirements

High-school graduation. English 12 or Communications 12 and Math 10. BCIT pre-test is acceptable.

#### Application Details

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

*\*Specific program criteria must be fulfilled.*





## TRADES AND APPRENTICESHIP

### Carpentry – Apprenticeship Training – Diploma of Trades Training\* (3200)

#### Program Info

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

#### Program and Career Description

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.

#### Entrance Requirements

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

#### Application Details

Register through BCIT Apprentice Services:

Tel.: 604-456-8100 • Toll-free: 1-800-667-0676 • E-mail: [apprentice@bcit.ca](mailto:apprentice@bcit.ca)

### Computer and Business Equipment Technician

*See Engineering Technologies*

### Circular Sawfiler – Apprenticeship Training – Diploma of Trades Training\* (4250)

#### Program Info

Full-time – 1 level of 4 weeks.

#### Program and Career Description

Inspects saws for plumb, level and proper tension; corrects any saw plate defects; maintains and aligns components of circular saw machine centres; maintains the specified tooth geometry of circular; maintains circular saw benching equipment, tipping and sharpening equipment; and uses power tools and related hand tools. **Careers:** Those working in the saw trades are employed in sawmills.

#### Entrance Requirements

Circular sawfiler apprentices must have a Saw Fitting Certificate of Qualification prior to acceptance into this program. One year of technical training, and one 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.

#### Application Details

Register through BCIT Apprentice Services:

Tel.: 604-456-8100 • Toll-free: 1-800-667-0676 • E-mail: [apprentice@bcit.ca](mailto:apprentice@bcit.ca)

### Commercial Transport Mechanic ELTT (Truck and Bus Mechanic) – Certificate of Trades Training (1550)

#### Program Info

Full-time – 30 weeks. Starts in September.

#### Program and Career Description

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.

#### Entrance Requirements

High-school graduation. English 12 or Communications 12, any Math 11 (not including Accounting). BCIT pre-test is acceptable for English and Math. Good physical condition is desirable. Valid BC driver's license.

#### Application Details

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

### Commercial Transport – Apprenticeship Training – Diploma of Trades Training\* (3250)

#### Program Info

Full-time – 3 levels of 6 weeks and 1 level of 8 weeks.

Multiple start dates each year.

#### Program and Career Description

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.

#### Entrance Requirements

Recommended for success: High-school graduation. English 12. Any Math 11 (not including Accounting).

#### Application Details

Register through BCIT Apprentice Services:

Tel.: 604-456-8100 • Toll-free: 1-800-667-0676 • E-mail: [apprentice@bcit.ca](mailto:apprentice@bcit.ca)

### Drafting – Certificate of Technical Studies (1700)

#### Program Info

Full-time – 40 weeks. Starts in September.

#### Program and Career Description

**Programs in:** Architectural, 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 drafting programs.

**Careers:** Work as a drafter or surveying assistant for engineering firms, surveyors, manufacturing shops, or municipalities.

#### Entrance Requirements

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

#### Application Details

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

### Diesel Engine Mechanic ELTT – Certificate of Trades Training (1600)

#### Program Info

Full-time – 42 weeks. Starts in September.

#### Program and Career Description

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.

#### Entrance Requirements

High-school graduation. English 12 or Communications 12. Any Math 11 (C) (not including Accounting). BCIT pre-test acceptable for English and Math. Good physical condition is desirable.

#### Application Details

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





## TRADES AND APPRENTICESHIP

### Electricity and Industrial Electronics – Certificate of Trades Training (1750)

#### Program Info

Full-time – 40 weeks. Multiple start dates each year.

#### Program and Career Description

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.

#### Entrance Requirements

High-school graduation. English 12 or Communications 12, Academic Math 11 (C). BCIT pre-test is acceptable for English and Math. Good physical condition.

#### Application Details

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

### Electrical – Apprenticeship Training – Diploma of Trades Training\* (3400)

#### Program Info

Full-time – 4 levels of 10 weeks each. Multiple start dates each year.

#### Program and Career Description

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.

#### Entrance Requirements

Recommended for success: High-school graduation or equivalent. English 12 or Communications 12, Academic Math 11 (C), Physics 11. Good physical condition.

#### Application Details

Register through BCIT Apprentice Services:

Tel.: 604-456-8100 • Toll-free: 1-800-667-0676 • E-mail: [apprentice@bcit.ca](mailto:apprentice@bcit.ca)

### Electronics Technician Common Core

*See Engineering Technologies*

### First Mate, Intermediate Voyage – Diploma of Technical Studies (2521)

#### Program Info

Full-time – 25 weeks.

#### Program and Career Description

This program prepares the participant for the Transport Canada examinations which lead to the issuance of the First Mate Intermediate Voyage Certificate of Competency. **Careers:** Holders of the First Mate Intermediate Voyage 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 voyage vessel.

#### Entrance Requirements

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. Applicants for the final Transport Canada examination leading to the First Mate, Intermediate certification, will be required to demonstrate they meet all prerequisites for this certificate. For detailed information on the certificate requirements contact your nearest Transport Canada Marine Safety office or visit their web site at [www.tc.gc.ca/marine](http://www.tc.gc.ca/marine).

#### Application Details

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

### Fresh Start (Trades Upgrading Program) – Statement of Completion (0050)

#### Program Info

Full-time – 19 weeks. January and August.

#### Program and Career Description

Provides students with the prerequisite skills and knowledge required to successfully complete trades or technical studies training at BCIT. The program offers applied academic upgrading in math, physics, communications, computers and study skills. Applicants must complete the Trades pre-test to be referred to the program.

#### Application Details

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

### Gasfitting – Apprenticeship Training – Diploma of Trades Training\* (3300)

#### Program Info

Full-time – 2 levels of 6 weeks each. Multiple start dates each year.

#### Program and Career Description

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

#### Entrance Requirements

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

#### Application Details

Register through BCIT Apprentice Services:

Tel.: 604-456-8100 • Toll-free: 1-800-667-0676 • E-mail: [apprentice@bcit.ca](mailto:apprentice@bcit.ca)

### Glazing – Apprenticeship Training (Diploma of Trades Training\*) (3600)

#### Program Info

Full-time – 3 levels of 6 weeks each. Multiple start dates each year.

#### Program and Career Description

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

#### Entrance Requirements

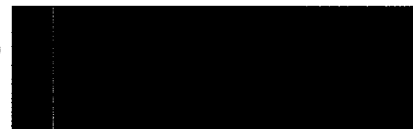
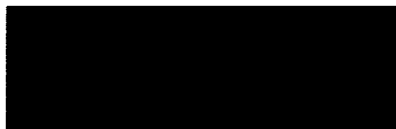
Recommended for success: Grade 10 education or equivalent. English 10, Math 10, Science 10. High-school graduation is preferred.

#### Application Details

Register through BCIT Apprentice Services:

Tel.: 604-456-8100 • Toll-free: 1-800-667-0676 • E-mail: [apprentice@bcit.ca](mailto:apprentice@bcit.ca)

*\*Specific program criteria must be fulfilled.*







## TRADES AND APPRENTICESHIP

### Heat and Frost Insulator – Apprenticeship Training – Diploma of Trades Training\* (3800)

#### Program Info

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

#### Program and Career Description

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

#### Entrance Requirements

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

#### Application Details

Register through BCIT Apprentice Services:

Tel.: 604-456-8100 • Toll-free: 1-800-667-0676 • E-mail: [apprentice@bcit.ca](mailto:apprentice@bcit.ca)

### Heating, Ventilation, Air Conditioning and Refrigeration (HVAC and R) Technician – Diploma of Trades Training (2990)

#### Program Info

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

#### Program and Career Description

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.

#### Entrance Requirements

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

#### Application Details

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

### Heavy Duty Mechanic ELTT – Certificate of Trades Training (1850)

#### Program Info

Full-time – 30 weeks. Multiple start dates each year.

#### Program and Career Description

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.

#### Entrance Requirements

High-school graduation. English 12 or Communications 12, any Math 11 (not including Accounting). BCIT pre-test is acceptable for English and Math. Good physical condition is desirable.

#### Application Details

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

### Heavy Duty Mechanic – Apprenticeship Training – Diploma of Trades Training\* (3650)

#### Program Info

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

#### Program and Career Description

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.

#### Entrance Requirements

Recommended for success: High-school graduation. English 12 or Communications 12. Any Math 11 (not including Accounting).

#### Application Details

Register through BCIT Apprentice Services:

Tel.: 604-456-8100 • Toll-free: 1-800-667-0676 • E-mail: [apprentice@bcit.ca](mailto:apprentice@bcit.ca)

### Inboard/Outboard Mechanic ELTT – Certificate of Trades Training (1900)

#### Program Info

Full-time – 34 weeks. Multiple start dates each year.

#### Program and Career Description

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.

#### Entrance Requirements

High-school graduation. English 12 or Communications 12, any Math 11 (not including Accounting). BCIT pre-test is acceptable for English and Math. Good physical condition is desirable.

#### Application Details

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

### Inboard/Outboard Mechanic – Apprenticeship Training – Diploma of Trades Training\* (3700)

#### Program Info

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

#### Program and Career Description

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.

#### Entrance Requirements

Recommended for success: High-school graduation. English 12, any Math 11 (not including Accounting).

#### Application Details

Register through BCIT Apprentice Services:

Tel.: 604-456-8100 • Toll-free: 1-800-667-0676 • E-mail: [apprentice@bcit.ca](mailto:apprentice@bcit.ca)

*\* Specific program criteria must be fulfilled.*





## TRADES AND APPRENTICESHIP

### Industrial Instrumentation Service Technician – Diploma of Technical Studies (2970)

#### Program Info

Full-time – 40 weeks. Starts in January.

#### Program and Career Description

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.

#### Entrance Requirements

High-school graduation. English 12 or Communications 12, Academic Math 11 (C). Math 12 recommended. Completion of a Math 12 competency exam through the BCIT Mathematics department also acceptable. BCIT pre-test 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.

#### Application Details

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

### Industrial Instrumentation – Apprenticeship Training – Diploma of Trades Training\* (3750)

#### Program Info

Full-time – 5 levels of 8 weeks each.

#### Program and Career Description

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.

#### Entrance Requirements

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.

#### Application Details

Register through BCIT Apprentice Services:

Tel. 604-456-8100 • Toll-free 1-800-667-0676 • E-mail: [apprentice@bcit.ca](mailto:apprentice@bcit.ca)

### Industrial Maintenance Mechanic – Diploma of Trades Training (1950)

#### Program Info

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

#### Program and Career Description

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.

#### Entrance Requirements

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

#### Application Details

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

### Ironworking – ELTT – Certificate of Trades Training (2200)

#### Program Info

Full-time – 23 weeks. Multiple start dates each year.

#### Program and Career Description

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.

#### Entrance Requirements

Grade 10 education. English 10, Math 10. BCIT pre-test is acceptable for high-school requirements. Interview. Good physical condition. Good hearing and no colour blindness.

#### Application Details

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

*\*Specific program criteria must be fulfilled.*





## TRADES AND APPRENTICESHIP

### Ironworker – Apprenticeship Training – Diploma of Trades Training\* (3850)

#### Program Info

Full-time – 2 levels of 5 weeks each. Multiple start dates each year.

#### Program and Career Description

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.

#### Entrance Requirements

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

#### Application Details

Register through BCIT Apprentice Services:

Tel.: 604-456-8100 • Toll-free: 1-800-667-0676 • E-mail: [apprentice@bcit.ca](mailto:apprentice@bcit.ca)

### Joinery (Cabinetmaker) ELTT – Certificate of Trades Training (2050)

#### Program Info

Full-time – 25 weeks. Multiple start dates each year.

#### Program and Career Description

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.

#### Entrance Requirements

High-school graduation. English 12 or Communications 12, any Math course at the Grade 11 level (Accounting 11 is not acceptable). BCIT pre-test is acceptable. Good physical condition is desirable.

#### Application Details

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

### Joinery (Cabinetmaker) – Apprenticeship Training – Diploma of Trades Training\* (4850)

#### Program Info

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

#### Program and Career Description

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.

#### Entrance Requirements

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

#### Application Details

Register through BCIT Apprentice Services:

Tel.: 604-456-8100 • Toll-free: 1-800-667-0676 • E-mail: [apprentice@bcit.ca](mailto:apprentice@bcit.ca)

### Machinist Core ELTT – Certificate of Trades Training (2170)

#### Program Info

Full-time – 38 weeks. Starts in September.

#### Program and Career Description

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.

#### Entrance Requirements

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

#### Application Details

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

### Machinist/CNC Machinist – Diploma of Trades Training (1525)

#### Program Info

Full-time – 98 weeks including 28 weeks of cooperative education.

Starts in September. Cooperative Education.

#### Program and Career Description

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.

#### Entrance Requirements

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

#### Application Details

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

### Machinist – Apprenticeship Training – Diploma of Trades Training\* (3900)

#### Program Info

Full-time – 4 levels of 5 weeks each. Multiple start dates each year.

#### Program and Career Description

Machinists operate a variety of machine tools to make products.

#### Entrance Requirements

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

#### Application Details

Register through BCIT Apprentice Services:

Tel.: 604-456-8100 • Toll-free: 1-800-667-0676 • E-mail: [apprentice@bcit.ca](mailto:apprentice@bcit.ca)

*\*Specific program criteria must be fulfilled.*





## TRADES AND APPRENTICESHIP

### Marine Engineer First Class – Statement of Completion (2710)

#### Program Info

Full-time – 31 weeks.

#### Program and Career Description

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.

#### Entrance Requirements

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.

#### Application Details

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

### Marine Engineer Second Class – Statement of Completion (2720)

#### Program Info

Full-time – 39 weeks.

#### Program and Career Description

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.

#### Entrance Requirements

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.

#### Application Details

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

### Marine Engineer Third Class – Statement of Completion (2730)

#### Program Info

Full-time – 32 weeks.

#### Program and Career Description

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.

#### Entrance Requirements

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 Fourth 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.

#### Application Details

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

### Marine Engineer Fourth Class – Statement of Completion (2740)

#### Program Info

Full-time.

#### Program and Career Description

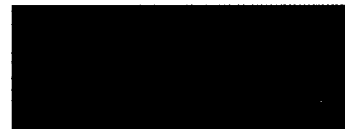
Prepares students for examinations that lead to Certificates of Competency issued by Transport Canada. **Careers:** Prepares participants for all Transport Canada examinations leading to the Fourth Class Marine Engineer Certificate of Competency, which qualifies the holder to act as a watchkeeping engineer 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.

#### Entrance Requirements

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.

#### Application Details

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





## TRADES AND APPRENTICESHIP

### Marine Engineering – Diploma of Technical Studies (2845)

#### Program Info

Full-time – 4 years (48 months). Starts once each year.  
Cooperative Education.

#### Program and Career Description

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.

#### Entrance Requirements

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 pre-test 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 Details

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

### Master, Intermediate Voyage – Advanced Diploma (9580)

#### Program Info

Full-time – 26 weeks.

#### Program and Career Description

Courses in the Master Intermediate Voyage program prepare the participant for Transport Canada examinations leading to the issuance of the Master Intermediate Voyage Certificate of Competency. **Careers:** Holders of the Master Intermediate Voyage 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 Voyage vessel.

#### Entrance Requirements

English-language proficiency. First Mate Intermediate Voyage Certificate of Competency. 12 months sea service while holding a First Mate Intermediate Voyage Certificate of Competency. Applicants for the final Transport Canada examination leading to the Master, Intermediate certification, will be required to demonstrate they meet all prerequisites for this certificate. For detailed information on the certificate requirements contact your nearest Transport Canada Marine Safety office or visit their web site at [www.tc.gc.ca/marine](http://www.tc.gc.ca/marine).

#### Application Details

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

### Master 350GT – Statement of Completion (2531)

#### Program Info

Full-time – 12 weeks.

#### Program and Career Description

Prepares the participant for the WKMR Certificate for Master 350GT examinations. **Careers:** Holders of the WKMR Certificate for Master 350GT are qualified to act as a Master of a vessel not exceeding 350 tons gross tonnage (within the Local Voyage limits), or of a tug of any size.

#### Entrance Requirements

English-language proficiency. Watchkeeping Mate Restricted Certificate of Competency. 36 months sea service, 12 months of which 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. Applicants for the final Transport Canada examination leading to the Master 350 GT certification, will be required to demonstrate they meet all prerequisites for this certificate. For detailed information on the certificate requirements contact your nearest Transport Canada Marine Safety office or visit <http://www.tc.gc.ca/marine>.

#### Application Details

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)

#### Program Info

Full-time – 15 weeks.

#### Program and Career Description

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).

#### Entrance Requirements

English-language proficiency. 6 months watchkeeping service on related waters while holding WKMR, First Mate Limited. Applicants for the final Transport Canada examination leading to the Master Limited, over 60 GRT certificate, will be required to demonstrate they meet all prerequisites for this certificate. For detailed information on the certificate requirements contact your nearest Transport Canada Marine Safety office or visit their web site at [www.tc.gc.ca/marine](http://www.tc.gc.ca/marine).

#### Application Details

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

### Millwright ELTT – Certificate of Trades Training (2200)

#### Program Info

Full-time – 39 weeks. Starts in September.

#### Program and Career Description

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 centred 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.

#### Entrance Requirements

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

#### Application Details

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







## TRADES AND APPRENTICESHIP

### Millwright – Apprenticeship Training – Diploma of Trades Training\* (3950)

#### Program Info

Full-time – 4 levels of 7 weeks each. Multiple start dates each year.

#### Program and Career Description

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.

#### Entrance Requirements

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

#### Application Details

Register through BCIT Apprentice Services:

Tel.: 604-456-8100 · Toll-free: 1-800-667-0676 · E-mail: [apprentice@bcit.ca](mailto:apprentice@bcit.ca)

### Motorcycle Mechanic ELTT – Certificate of Trades Training (2250)

#### Program Info

Full-time – 34 weeks. Multiple start dates each year.

#### Program and Career Description

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.

#### Entrance Requirements

High-school graduation. English 12 or Communications 12, any Math 11 (not including Accounting). BCIT pre-test is acceptable for English and Math. Good physical condition is desirable.

#### Application Details

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

### Motorcycle Mechanic – Apprenticeship Training – Diploma of Trades Training\* (4000)

#### Program Info

Full-time – 2 levels of 5 weeks each. Multiple start dates each year.

#### Program and Career Description

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.

#### Entrance Requirements

Recommended for success: High-school graduation. English 12, any Math 11 (not including Accounting).

#### Application Details

Register through BCIT Apprentice Services:

Tel.: 604-456-8100 · Toll-free: 1-800-667-0676 · E-mail: [apprentice@bcit.ca](mailto:apprentice@bcit.ca)

### Mobile Equipment and Warehouse Operations – Associate Certificate (1670)

#### Program Info

Full-time – 8 weeks plus optional 4-week work practicum.

Multiple start dates each year.

#### Program and Career Description

Learn to use material handling equipment used in warehousing and gain 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.

#### Entrance Requirements

Grade 10 recommended. English 10 and Math 10. BCIT pre-test is acceptable for English and Math. Valid BC driver's licence preferred.

#### Application Details

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

### Nautical Sciences – Diploma of Technical Studies (2535)

#### Program Info

Full-time – 4 years. Cooperative Education. Starts in September.

#### Program and Career Description

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.

#### Entrance Requirements

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 pre-test 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 Details

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

### Piledriver and Bridgeworker – Apprenticeship Training – Diploma of Trades Training\* (4100)

#### Program Info

Full-time – 3 levels of 8 weeks each. Multiple start dates each year.

#### Program and Career Description

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.

#### Entrance Requirements

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

#### Application Details

Register through BCIT Apprentice Services:

Tel.: 604-456-8100 · Toll-free: 1-800-667-0676 · E-mail: [apprentice@bcit.ca](mailto:apprentice@bcit.ca)

\*Specific program criteria must be fulfilled.





## TRADES AND APPRENTICESHIP

### Piping ELTT – Certificate of Trades Training (2370)

#### Program Info

Full-time – 30 weeks. Multiple start dates each year.

#### Program and Career Description

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.

#### Entrance Requirements

High-school graduation. English 12 or Communications 12, any Math course at the Grade 11 level (Accounting 11 is not acceptable). BCIT pre-test is acceptable.

#### Application Details

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

### Plumbing – Apprenticeship Training – Diploma of Trades Training\* (4150)

#### Program Info

Full-time – 3 levels of 8 weeks. Multiple start dates each year.

#### Program and Career Description

A plumber installs, alters or repairs any plumbing system, including all work usually done by a journeyperson plumber governed by the BC Plumbing Code.

#### Entrance Requirements

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

#### Application Details

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

### Power Engineering (General, Technical, Power and Process Engineering)

*See Engineering Technology*

### Power Equipment Mechanic ELTT – Certificate of Trades Training (2340)

#### Program Info

Full-time – 34 weeks. Multiple start dates each year.

#### Program and Career Description

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.

#### Entrance Requirements

High-school graduation. English 12 or Communications 12, any Math 11 (not including Accounting). BCIT pre-test is acceptable for English and Math. Good physical condition is desirable.

#### Application Details

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

### Railway Conductor – Industry Partnership Certificate (2075)

#### Program Info

Full-time – 32 weeks.

#### Program and Career Description

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 per cent over the next 10 years, increasing demand for graduates. This program prepares graduates for employment in Class 1 railways in North America, and also with shortline and regional carriers.

#### Entrance Requirements

High-school graduation or equivalent. English 12 (P) or Communications 12 (P). Principles of Math 11 (C) or Academic Math 11 (C) or Principles of Math 12 (P) or Academic Math 12 (P) or Applications of Math 12 (C). BCIT pre-test is acceptable for English and Math.

#### Application Details

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

### Refrigeration Mechanic ELTT – Certificate of Trades Training (2320)

#### Program Info

Full-time – 25 weeks. Starts in September.

#### Program and Career Description

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.

#### Entrance Requirements

High-school graduation. English 12 or Communications 12, Academic Math 11 (C). BCIT pre-test is acceptable for English and Math. Applicants must also pass the BCIT Mechanical Reasoning test. Good physical condition.

#### Application Details

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

### Refrigeration – Apprenticeship Training – Diploma of Trades Training\* (4200)

#### Program Info

Full-time – 2 levels of 6 weeks each, 2 levels of 8 weeks each. Multiple start dates each year.

#### Program and Career Description

Refrigeration mechanics install, maintain, repair and overhaul residential, commercial and industrial central air-conditioning systems.

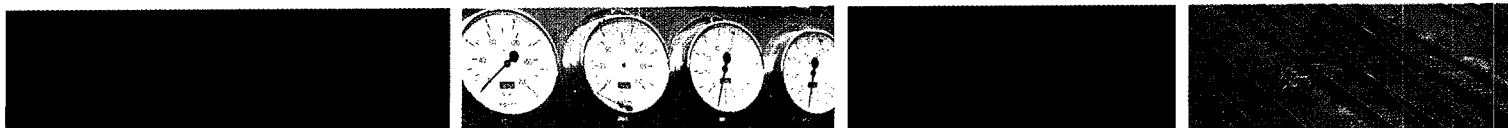
#### Entrance Requirements

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

#### Application Details

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

*\*Specific program criteria must be fulfilled.*





## TRADES AND APPRENTICESHIP

### Saw Fitting – Apprenticeship Training – Diploma of Trades Training\* (4300)

#### Program Info

Full-time – 2 levels of 4 weeks each. Multiple start dates each year.

#### Program and Career Description

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.

#### Entrance Requirements

Recommended for success: Grade 10 education or equivalent. English 10, Math 10, Science 10.

#### Application Details

Register through BCIT Apprentice Services:

Tel.: 604-456-8100 • Toll-free: 1-800-667-0676 • E-mail: [apprentice@bcit.ca](mailto:apprentice@bcit.ca)

### Security Systems Technician – Certificate of Technical Studies (2595)

#### Program Info

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

#### Program and Career Description

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.

#### Entrance Requirements

High-school graduation. English 12 or Communications 12, Academic Math 11 (C). BCIT pre-test 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 Details

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

### Sheet Metal Working ELTT – Certificate of Trades Training (2600)

#### Program Info

Full-time – 20 weeks. Multiple start dates each year.

#### Program and Career Description

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.

#### Entrance Requirements

High-school graduation. English 12 or Communications 12, any Math course at the Grade 11 level (Accounting 11 is not acceptable). BCIT pre-test is acceptable.

#### Application Details

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

### Sheet Metal – Apprenticeship Training – Diploma of Trades Training\* (4350)

#### Program Info

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

#### Program and Career Description

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.

#### Entrance Requirements

Recommended for success: High-school graduation including Math and Sciences. English 12.

#### Application Details

Register through BCIT Apprentice Services:

Tel.: 604-456-8100 • Toll-free: 1-800-667-0676 • E-mail: [apprentice@bcit.ca](mailto:apprentice@bcit.ca)

### Steamfitting – Apprenticeship Training – Diploma of Trades Training\* (4400)

#### Program Info

Full-time – 3 levels of 6 weeks and 1 level of eight weeks.

Multiple start dates each year.

#### Program and Career Description

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.

#### Entrance Requirements

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

#### Application Details

Register through BCIT Apprentice Services:

Tel.: 604-456-8100 • Toll-free: 1-800-667-0676 • E-mail: [apprentice@bcit.ca](mailto:apprentice@bcit.ca)

### Steel Fabricating ELTT – Certificate of Trades Training (2700)

#### Program Info

Full-time – 23 weeks. Multiple start dates each year.

#### Program and Career Description

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.

#### Entrance Requirements

Grade 10 education. English 10, Math 10. BCIT pre-test is acceptable.

#### Application Details

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

*\*Specific program criteria must be fulfilled.*





## TRADES AND APPRENTICESHIP

### Steel Fabrication – Apprenticeship Training – Diploma of Trades Training\*

#### Program Info

Full-time – 4 levels of 5 weeks each. Multiple start dates each year.

#### Program and Career Description

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.

#### Entrance Requirements

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

#### Application Details

Register through BCIT Apprentice Services:

Tel.: 604-456-8100 • Toll-free: 1-800-667-0676 • E-mail: [apprentice@bcit.ca](mailto:apprentice@bcit.ca)

### Technology Teacher Education – Diploma of Technology (605D)

#### Program Info

Full-time – 2 years. Starts in September.

#### Program and Career Description

The Technology Teacher Education program for public school technical studies teachers is an affiliated cooperative program between BCIT and UBC. When all 3 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.

#### Entrance Requirements

High-school graduation. English 12 (C), Principles of Math 11 (C) or Academic Math 11 (C) or Applications of Math 11 (C), any Science 11 course (C). Upon request, applicants must submit an illustrated portfolio which demonstrates technical experience, accomplishments, aptitude and capability. Resume. three 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 Details

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

### Telecommunications Technician

See *Engineering Technologies*

### Tool and Die Technician – Diploma of Trades Training (2800)

#### Program Info

Full-time – 98 weeks including 28 weeks of cooperative education.

Starts in July each year. Cooperative Education.

#### Program and Career Description

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.

#### Entrance Requirements

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

#### Application Details

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

### Trades Discovery (General) – Associate Certificate (1150)

#### Program Info

Full-time – 20 weeks. Multiple start dates each year.

#### Program and Career Description

Practical training program which prepares students to enter and successfully complete trades/technical training or seek an apprenticeship. Students have extensive access to the trades and technical training programs at BCIT, and gain hands-on experience in approximately 20 different technical and trades fields.

#### Entrance Requirements

High-school graduation or GED. Pre-test is acceptable for Math and English. Interview.

#### Application Details

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

### Trades Discovery for Women – Associate Certificate (1160)

#### Program Info

Full-time – 20 weeks. Multiple start dates each year.

#### Program and Career Description

Practical training program which prepares women to enter and successfully complete trades/technical training or seek an apprenticeship. Students have extensive access to the trades and technical training programs at BCIT, and gain hands-on experience in approximately 20 different technical and trades fields.

#### Entrance Requirements

High-school graduation or GED. Pre-test is acceptable for Math and English. Interview.

#### Application Details

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

\*Specific program criteria must be fulfilled.





## TRADES AND APPRENTICESHIP

### Watchkeeping Mate Restricted (WKMR) – Certificate of Technical Studies (2541)

#### Program Info

Full-time – 21 weeks

#### Program and Career Description

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 Voyage limits, or first mate of a vessel not exceeding 350 tons or a tug of any size, within Local Voyage limits.

#### Entrance Requirements

English-language proficiency. Grade 10 Math recommended. 24 months sea service assessed by Transport Canada. When applying for the final oral Transport Canada examination for the Watchkeeping Mate Restricted certificate, an applicant must submit proof of additional training certificates. For detailed information on the additional training requirements contact your nearest Transport Canada Marine Safety office or visit their web site at [www.tc.gc.ca/marine](http://www.tc.gc.ca/marine).

#### Application Details

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

### Welding Level C – Certificate of Trades Training (2850)

#### Program Info

Full-time – 30 weeks. Multiple start dates each year.

#### Program and Career Description

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.

#### Entrance Requirements

Grade 10 education. English 10, Math 10. BCIT pre-test is acceptable. An appropriate combination of work experience and education will be considered.

#### Application Details

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

### Welding Level B – Certificate of Trades Training (2860)

#### Program Info

Full-time – up to 16 weeks depending on modules required. Multiple start dates each year.

#### Program and Career Description

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.

#### Entrance Requirements

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.

#### Application Details

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

### Welding Level A – Certificate of Trades Training (2870)

#### Program Info

Full-time – approximately 8 weeks depending on number of modules required. Multiple start dates each year.

#### Program and Career Description

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.

#### Entrance Requirements

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.

#### Application Details

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

### Welding – Apprenticeship Training – Diploma of Trades Training\* (4550)

#### Program Info

Full-time – 6 weeks for each of four levels. Multiple start dates each year.

#### Program and Career Description

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.

#### Entrance Requirements

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.

#### Application Details

Register through BCIT Apprentice Services:

Tel.: 604-456-8100 • Toll-free: 1-800-667-0676 • E-mail: [apprentice@bcit.ca](mailto:apprentice@bcit.ca)

### Wireless Communications Technician

See *Engineering Technologies*

*\*Specific program criteria must be fulfilled.*







# Admissions Information



You've found the program you want, and you're ready to apply. Here are some things you need to know first.

## General Information

BCIT establishes admission guidelines to help students achieve success in our programs. Most programs require high-school graduation with specific Grade 11 and Grade 12 subjects. Some programs also have non-academic requirements, such as attending an information session, submitting a resume or participating in an interview. See pages 28-64 of this book for admission requirements for your specific program, or find them at [www.bcit.ca/study/programs](http://www.bcit.ca/study/programs).

## Requirements

When you apply, you must provide proof that you have completed the required prerequisites and all other entrance requirements as identified by the program to which you are applying. This applies to all applicants whether you have been educated inside or outside of Canada. Applicants who lack specific prerequisite courses or required grades will be advised of deficiencies. It is your responsibility to upgrade to meet the required standards for the program to which you are applying. International students should check with BCIT International regarding admission requirement equivalencies.

If necessary, your credentials from outside Canada can be evaluated through the International Credential Evaluation Service (ICES). Find out more at [www.bcit.ca/ices](http://www.bcit.ca/ices).

## Acceptable Alternatives to a High School Diploma

Both the General Education Development (GED) and the Basic Training for Skills Development Level 4 (BTSD 4) are considered equivalent to high-school graduation with a Pass in English 12. GED Math is equivalent to Math 10.

The BC Adult Graduation Diploma (BCAGD) is also considered equivalent to high-school graduation. Check with Student Information and Enrolment Services to ensure that BCAGD courses are acceptable for admission to specific BCIT programs.

## Upgrading Options

If you don't have the courses or grades you need for acceptance, or want to take refresher courses, BCIT offers various preparatory programs.

**Pre-entry courses** are individual day or evening courses for students who lack a 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 Computing, Engineering Technology, Electronics and some Health Sciences programs at BCIT.

**Fresh Start** is a full-time program that provides students with the prerequisite skills and knowledge required to successfully completed trades or technical studies training at BCIT. The program offers applied academic upgrading in math, physics, communications, computers and study skills.

## How Applications are Processed

All applications are considered promptly and equitably. You can only be considered for one program at a time. Your application will be processed for your first-choice program first; if not accepted into that program, it will be transferred to your second-choice program (if you indicated one).

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

## Wait Lists and Specific Intakes

Programs identified as "wait list" in the Detailed Program Information section have a special admissions process. Once these programs are full, applications are placed on a wait list (on a first-come, first-served basis) for the next available seat.

"Intake" refers to each time a program takes in new students. If a program is identified as specific intake, wait-listed applications are not carried forward to the next intake. Individuals who still want to take the program must re-apply for the next start date. If there are more applicants than seats available, BCIT selects those applicants deemed to have the best opportunity for success. This means that meeting the prerequisites does not guarantee you a seat in the program.

## 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: Applicants without Canadian citizenship or Landed Immigrant (Permanent Resident) status.

### English Language Proficiency

All BCIT students must demonstrate an acceptable level of English-language skills. If your first language is not English and/or you have previously failed to meet an acceptable level of English as required by BCIT and the program to which you are applying, you will be required to show that you have attained the required level. You can do this in one of the following eight ways:

- 1) By individual assessment by the BCIT Communications department. After reviewing your application, BCIT may recommend that you complete the English Language Competency Test (COMM 0015). To register, you must contact Student Information and Enrolment Services for approval; to obtain the necessary form; and to process your registration. This course (test) assesses three English-language components: grammar, reading comprehension, and written composition.
- 2) By successfully completing a BCIT pre-entry Communications course. For COMM 0005 or COMM 0008, the scores required to satisfy entry prerequisites are:
  - For English 12, B or better, you must achieve at least 80 per cent.
  - For English 12, C+ or better, you must achieve at least 75 per cent.
  - For English 12, C or better, you must achieve at least 70 per cent.
  - For English 12, Pass or better, you must achieve at least 65 per cent.
  - For English 11, you must achieve a mark of at least 50 per cent in COMM 0005 or COMM 0008, or a mark of at least 75 per cent in COMM 0004.
- 3) Completion of BCIT COMM 1103 or COMM 1106:
  - For English 12 at Pass to a B, you must achieve at least 50 per cent.
- 4) By successful completion of an approved, equivalent English or Communications course at another institution, with the grade required for the program to which you have applied. To determine approved equivalents, contact Student Information and Enrolment Services at 604-434-1610 and ask to speak to a program advisor.

- 5) By successfully completing the Vancouver Community College (VCC) English Language Assessment Test (for second-language speakers only). The scores to satisfy prerequisites are:

- For English 12, B, a score of at least 160 is required.
- For English 12, Pass to C+, a score of at least 145 is required.
- For English 11 or Communications 12, a score of at least 135 is required.
- For English 10, a score of at least 125 is required.

- 6) 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).

### Test of English as a Foreign Language (TOEFL)

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+

### International English Language Testing System (IELTS)

	Overall	Listening	Reading	Writing	Speaking
English 12 (B or better)	6.5	6.0	6.0	7.0	7.0
English 12 (C to C+)	6.0	5.5	5.5	6.0	6.0
English 12 (Pass to C-)	5.5	5.0	5.0	6.0	5.0
Comm 12 (Pass)	5.0	4.5	4.5	5.0	5.0

### Canadian Academic English Language Assessment (CAEL)

	Overall	Listening	Reading	Writing	Speaking
English 12 (B or better)	70	70	60	70	60
English 12 (C to C+)	60	60	60	60	60
English 12 (Pass to C+)	60	50	50	50	50

- 7) Complete the International English Language Testing System (IELTS) – academic stream. (See chart, left.)
- 8) Take the CAEL Assessment (Canadian Academic English Language Assessment). (See chart, left.)



### Trades Admission Assessment (BCIT Pre-test)

Many trades and technical studies programs allow applicants to challenge admission requirements by completing entrance examinations for English, math, and mechanical aptitude. Applicants will be charged \$35 for each subject tested, to a maximum of \$70. If you need to write three or more tests, you will still only be charged \$70. The fee includes an opportunity for one rewrite, if required, within two months of the initial testing. For more information, visit [www.bcit.ca/admission/upgrading/testoptions.shtml](http://www.bcit.ca/admission/upgrading/testoptions.shtml). (All fees are quoted in Canadian funds.)

### BC High School Course Details

Courses taught in BC high schools are acceptable as entrance requirements as follows. (See chart below.) Check your program's admission requirements for the specific math courses accepted. This information can be found in the Detailed Program Information section of this book or on the web at [www.bcit.ca/study/programs](http://www.bcit.ca/study/programs).

#### BC high school course details

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 or Academic Math 12
Math 11	Principles of Math 11 or Applications of Math 11 or Academic 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 Academic 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

### Mature Students

If you haven't 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 for 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 to 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 Information and Enrolment



Services at 604-434-1610. 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, and your fees will not be reduced. To be eligible for scholarships and graduating awards, you must carry a 100 per cent course load in your full-time program at BCIT.

- 2) Advanced Placement – You may enter a program beyond Level One when requirements are recognized as having been completed elsewhere or previously. Advanced placement applicants may apply to any level beyond Level One, and 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/admission/transfer/advanced.shtml](http://www.bcit.ca/admission/transfer/advanced.shtml).

### 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 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 such 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 to BCIT

Follow these steps to apply to BCIT. Please note the additional information regarding document requirements below.

## 1) Apply.

Submit your application online at [www.bcit.ca/admission/apply](http://www.bcit.ca/admission/apply). You can also submit a paper application, available online at [www.bcit.ca/admission/downloads.shtml](http://www.bcit.ca/admission/downloads.shtml), at your local school or college, or through Student Information and Enrolment Services at 604-434-1610.

Pay the application fee: \$60 for Canadian citizens and landed immigrants; \$250 for international applicants.\* (All fees are quoted in Canadian funds.)

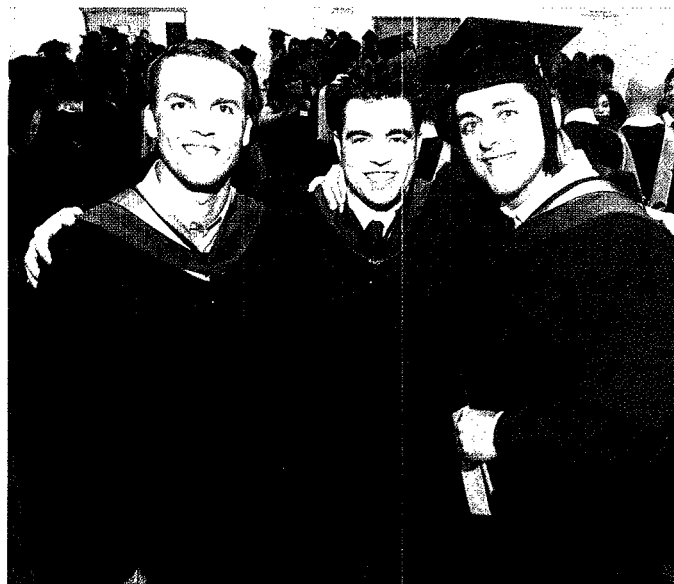
\*The application fee for international students is currently under review. Please contact BCIT International at [infobcit@bcit.ca](mailto:infobcit@bcit.ca) or check [www.bcit.ca](http://www.bcit.ca) for the most current information.

## 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 BCIT that show you meet the entrance requirements (academic and non-academic) for your desired program.



## 4) Receive feedback from BCIT.

Within four weeks of your submission, a letter will be sent explaining the status of your application. This letter will either ask you for additional information or inform you of the decision on your application.

## 5) Keep us up to date.

Remember to keep your contact information up to date so we can contact you if necessary.

## Need Help?

If you have any questions during the application process, call Program Advising at 604-434-1610 or the Student Information and Enrolment Services at 604-432-8419.



"BCIT's Technology Management degree program made sense to me. My boss, a professional engineer, believed that I could be coached to rise to a leadership position and open the doors to many of the opportunities that build on my strengths. BCIT's degree program has challenged me to think 'out of the box.'"

*Sandra Swanson, Biomedical Engineering Technologist  
St. Paul's Hospital (Providence Healthcare)  
Bachelor of Technology in  
Technology Management student*





## Document Requirements

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

Other documents may be required, such as a resume, letter of intent (see page 71), or a copy of your driver's licence.

### If You Are Still in High School

Ask your principal's office to provide you with your marks for completed courses, interim marks for courses you are currently 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, so it is important that you submit your own copies of interim and final marks as soon as you receive them from your high school.

### If You Have Graduated from High School

Submit your final official transcripts as proof of having completed the entrance requirements for your chosen program.

### If You Are Attending or Have Graduated from College or University

Submit your high-school transcripts along with official post-secondary transcripts to show you meet the entrance requirements for the program you have chosen.

### If You Are a Mature Applicant

You must supply academic documents that show you meet BCIT's English-language requirement and the individual subject prerequisites. Include proof of relevant experience to support your application.



### If You Are Currently Upgrading

If you are attending or planning to attend prerequisite courses for your chosen program, you must include proof of registration with your application. It is essential that you keep Student Information and Enrolment Services informed of your progress by sending interim transcripts or an official note from the course instructor. When you complete the course, arrange to have your official transcripts sent to Student Information and Enrolment Services. If you are taking an upgrading course at a college, be sure to check with Program Advising for the equivalent course numbers accepted by BCIT.

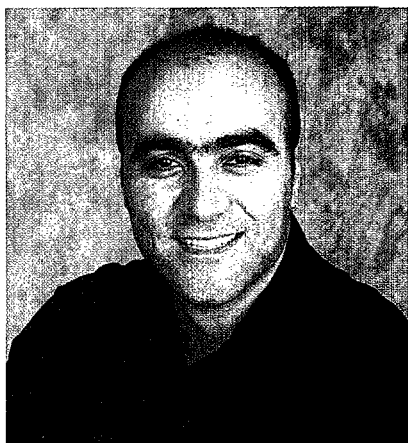
### If You're Applying from Outside BC

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

### If You're Applying from Outside Canada

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 translation into English are the responsibility of the applicant.

Please note that the deadline for applications from international students is four weeks earlier than stated for each program.



"At BCIT you feel that the student is the #1 priority. BCIT's knowledgeable instructors, friendly environment and helpful staff make you feel they care and will help you to achieve your goals."

*-Haissam Al Naouakil,  
Network Administrator student*







# Fees and Financing

Post-secondary education is a wise investment in your future. But, like any investment, it requires money up front. Planning and saving are the best ways to finance your education, but here are some other options to help you out.

## Estimated Costs of Attending BCIT

Exact costs will vary by program, but you will have to pay tuition fees and student fees, buy books and supplies, and cover your living and transportation costs.

Tuition fees, including student activity and student health plan fees, are estimated as follows:

Average cost per year of a two-year diploma program \$4,650

Average cost of a three- to six-month certificate program \$2,300

Average cost of a seven- to 12-month certificate program \$4,500

Average cost of apprenticeship training \$615 (cost based on six weeks of training)

Average cost per year of a full-time degree program \$5,250.

Note: Tuition fees are subject to change. These estimates do not include clinical training and co-op fees. Visit [www.bcit.ca/admission/fees](http://www.bcit.ca/admission/fees) for complete and up-to-date information.

## Books and Supplies

You will be expected to pay for your textbooks, as well as for supplies which will vary according to your program; for example, a lab coat, software, drafting tools, a calculator or maybe a stethoscope.

## Living Expenses

Besides educational costs, you will have to cover your living costs while you attend BCIT. This includes accommodation, whether on- or off-campus; utilities; telephone; food; transportation; and clothing. Visit the Human Resources Development Canada, CanLearn web site at [www.canlearn.ca](http://www.canlearn.ca) for help in estimating your budget.

## Financing Your Education

The Student Financial Aid and Awards office can help you identify and access some of the many sources of financial assistance available to support students in gaining their education. For full-time students in credential programs, these sources may include:

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



For students beginning their BCIT studies, two notable award programs are:

**President's Entrance Awards** – Up to 60 awards equivalent to a maximum of \$2,909 are presented each year to students entering a full-time BCIT program directly from a BC secondary school.

**BCIT Alumni Association Entrance Awards** – Up to four awards equivalent to a maximum of \$2,909 are presented to students coming to BCIT after taking one or more years since secondary school for activities such as work or attending another post-secondary institution. Winners are selected based on academic performance.

To find out more about these and other awards, visit [www.bcit.ca/finaid](http://www.bcit.ca/finaid).



## Contact Student Financial Aid and Awards

Web: .....[www.bcit.ca/finaid](http://www.bcit.ca/finaid)

Telephone .....604-432-8555

In person: .....Building SW1, room 2303,  
Burnaby Campus.  
Open 8:30 a.m. to 4 p.m.,  
Monday to Friday.





# Definitions

**Computer literacy** – Knowledge of Microsoft Office, including Word and Excel, a web browser, and an e-mail package.

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

**Intake** – Refers to each time a program takes in new students. Many programs have one annual intake, but others have several intakes per year.

**Interview** – Some programs require short-listed applicants to meet with program faculty or staff after the initial applications have been reviewed. Interview results are considered as part of the selection process.

**Letter of intent** – Most programs ask you to submit a letter of intent; its contents will be assessed as part of the selection process, so put effort into preparing it. In 200 to 500 words, you should tell us about yourself, your prior education, any work, practical or volunteer experience you have, your goals for the future, and why you want to take this program at BCIT.

**Medical form** – Once an application has been received and processed, Student Information and Enrolment Services will



send a medical form to those applicants who require it. The applicant must undergo a medical examination by a qualified physician who then records the exam results on the form.

**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 by 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 such individuals to demonstrate their expertise and to receive credit where appropriate. Contact the PLAR coordinator at 604-451-7023 or visit [www.bcit.ca/admission/transfer/plar.shtml](http://www.bcit.ca/admission/transfer/plar.shtml) for more information.

**Resume** – An outline of your work and volunteer experience as well as community involvement.

**Satisfactory health/good physical condition** – To meet this requirement, applicants should have sufficient 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 ([www.drc.bcit.ca](http://www.drc.bcit.ca)).

**Specific intake** – If a program is described as specific intake, applicants are only considered for a particular intake. Once the program is full, remaining qualified applicants are not placed on a wait list, and their applications are not considered for the next intake unless they re-apply.

**Wait list** – A list of qualified applicants established once an upcoming program is full. If a seat opens up, it is offered to an applicant on the wait list.

**WHMIS** – Workplace Hazardous Materials Information System.

For more information on programs and their admission requirements, contact a program advisor at [www.bcit.ca/askadvisor](http://www.bcit.ca/askadvisor) or by phone at 604-434-1610 to book an appointment or to leave your contact information for an advisor to call you back. If you live in or will be visiting the area, consider setting up an in-person appointment.



“The instructors are thorough, knowledgeable, patient, and provide excellent feedback. They are allowing me to learn more about what I love doing and apply it to a viable career in the high-tech field.”

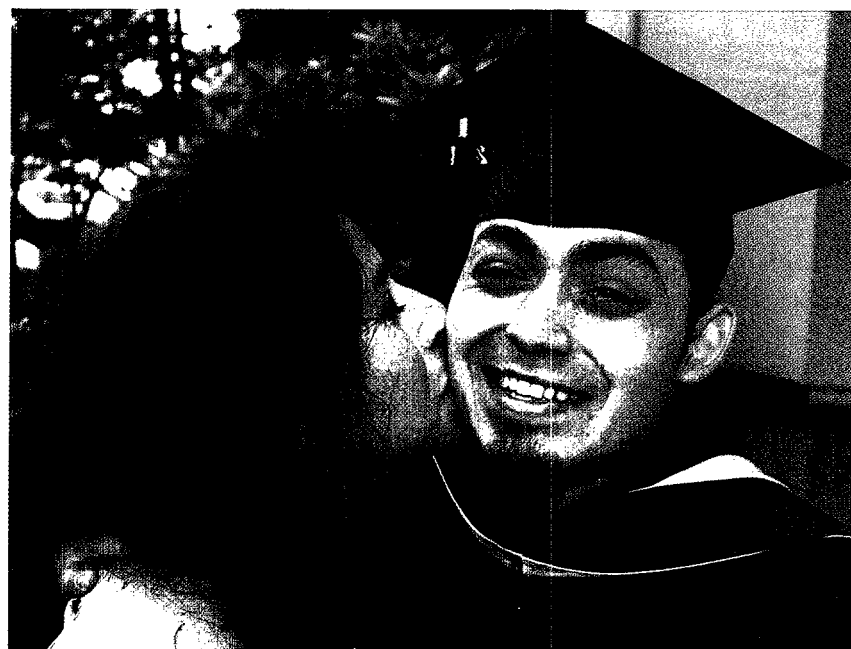
– Esmail Shariff, Web Technologies student



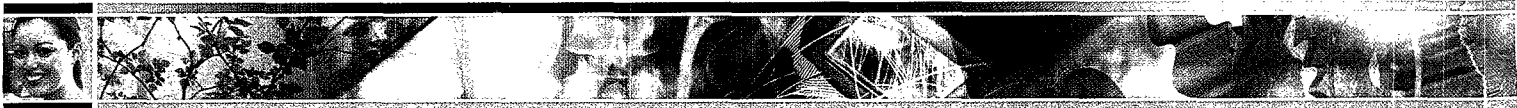


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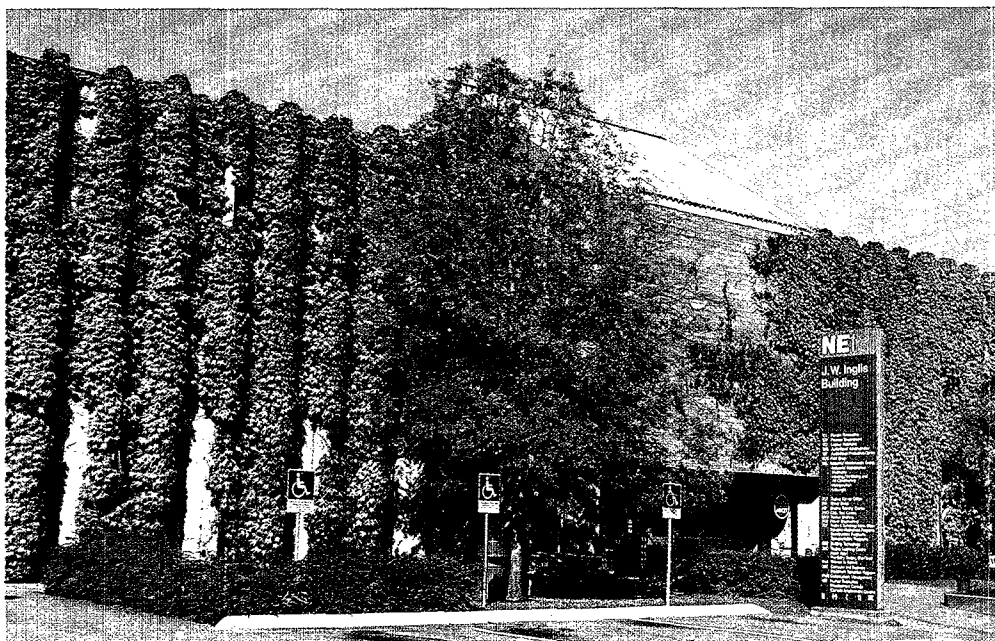
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# Want to learn more?

- Big Info Session and Program Expo is held in October each year. Next session: 5 p.m. to 8 p.m., Oct. 13, 2004, Burnaby Campus.
- Information sessions on full-time programs are offered throughout the year, including sessions geared to the various areas of study. Meet faculty, current and former students. For details of upcoming sessions, visit [www.bcit.ca/infosessions](http://www.bcit.ca/infosessions) or call 604-434-1610.
- Campus tours are offered regularly at the Burnaby campus. Visit [www.bcit.ca/tours](http://www.bcit.ca/tours) for details.
- Open House occurs in April during even-numbered years. It runs for two days, and plenty of instructors and students are available to answer your questions about specific programs. Visit [www.openhouse.bcit.ca](http://www.openhouse.bcit.ca) for details.



- Program advisors are great resources. They'll help you plan your path, or just answer questions about BCIT. Call 604-434-1610 to book an in-person appointment, or to leave a message. Or, contact them online at [www.bcit.ca/askanadvisor](http://www.bcit.ca/askanadvisor).
- [www.bcit.ca](http://www.bcit.ca) provides a wealth of information about studying and living at BCIT.

As Canada's premier polytechnic institution, BCIT offers many paths to career success. Let us help you with yours.

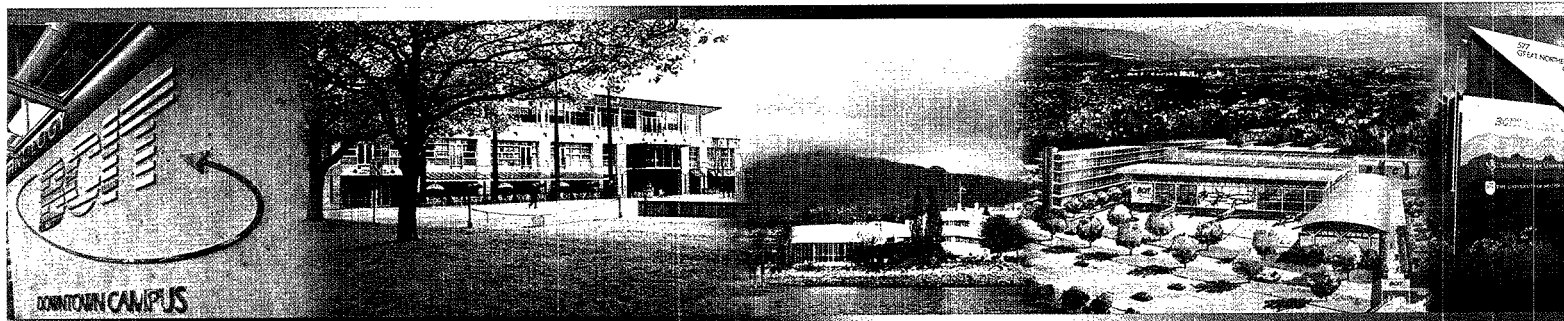


"BCIT gave me the foundation from which to build my career. It challenged me and made me aware of the potential that lay within."

– Nancy McKinstry, BCIT Distinguished Alumni  
Award winner for Community Service, 2003;  
Marketing Management grad 1970

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information, visit [www.bcit.ca](http://www.bcit.ca).





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3700 Willingdon Avenue  
Burnaby, BC, Canada V5G 3H2  
[www.bcit.ca](http://www.bcit.ca)