

# Education and Training After High School

## Glossary of Terms

- Apprenticeship:** An on-the-job training program designed to provide the necessary work experience and academic requirements to write the apprenticeship exams; usually involved training in the trades.
- Calendar:** A booklet published annually by each educational institution lists all programs and courses along with other valuable information such as prerequisites, admission policies, fees, programs, scholarships, etc.
- Certificate:** A document awarded upon successful completion of a program usually of one year or less in duration.
- College:** Offers certificate and diploma programs in a wide range of areas.
- Co-operative Education:** A method of learning in which students alternate between academic study and paid supervised work terms.
- Co-requisite:** A course which must be taken at the same time as another course.
- Credit:** Term used to determine number of courses successfully completed.
- Credit Hour:** The standard unit by which the course work offered by Universities is normally measured; one credit hour (1h) is assigned to a class that meets fifty minutes per week in class instruction.
- Degree:** A document awarded at the completion of a university program.
- Bachelor Degree:*** The first level degree awarded, also known as an undergraduate degree.
- Masters Degree:*** A program, usually 1 - 2 years in length of full-time study, generally requires a student to have a Bachelor's Degree and may require work experience, as well as other prerequisites for admission, also known as a Graduate Degree.
- Doctorate Degree:*** A program, usually 3 - 4 years in length of full-time study, generally requires a student to have at least three years of university study and other prerequisites for admission, also known as a PHD and/or a Graduate Degree.
- Department:** A division of a faculty under the direction of one person; each department offers a major program of study.

<b>Diploma:</b>	A document awarded at the completion of a program, usually 1-2 years in duration.
<b>Distance Education:</b>	A way of learning where the student and teacher communicate via correspondence courses, the Internet, audiotapes, videotapes, cable television, or satellite hook-ups.
<b>Faculty:</b>	A grouping of associated subjects areas under the direction of a dean.
<b>Graduate Student:</b>	A student who is studying in a degree program after a Bachelor's Degree.
<b>Major:</b>	A student's primary subject or area of concentration, a selection of courses in one discipline intended to provide background and depth.
<b>Minor</b>	A secondary area of study within a degree program.
<b>Post-Secondary:</b>	Any education or training that occurs after High School.
<b>Portfolio:</b>	A collection of a student's best work in a particular program or level of a program.
<b>Prerequisite:</b>	A requirement for admission into a particular program or level of a program.
<b>Secondary:</b>	Any education at the Grade 7 to 12 level.
<b>Semester:</b>	A division of an academic year.
<b>Transcript</b>	A complete record of a student's academic achievement in credit courses.
<b>Undergraduate Student:</b>	A student who is studying at the Bachelor's Degree level.
<b>University:</b>	A degree-granting educational institution.

## Summary of Admission Requirements to Maritime Post-Secondary Institutions

Admission requirements for maritime and other post-secondary institutions vary somewhat from high school graduation requirements. Students who are considering some form of study beyond high school should consult post-secondary calendars at the Student Services Center to determine what courses they should choose, especially during their final two years of high school.

Students should note that the following Degree (university) programs require specific courses at the grade twelve level. An overall average of 65 - 70% is required for post-secondary studies in 5 academic (621 or 611) grade 12 courses including English 621.

### **General Guidelines: Students are responsible for checking specific admissions requirements.**

**Bachelor of Arts:** English 621, plus 4 acceptable academic electives. U.P.E.I. requires a grade 12 social studies or language credit.

**Bachelor of Business Administration:** English 621, Math 621, any 2 Social Studies, Languages or Sciences and one other grade 12 academic course, ex. ECO 621 and ACC 621 are recommended.

**Bachelor of Science:** English, mathematics, two sciences (chemistry 621 or 611, Math 621 B and Math 611 are recommended) and one other grade 12 academic course.

**B.Sc. in Computer Science:** English, mathematics, two sciences (physics is strongly recommended) and one other grade 12 academic course.

**B.Sc in Family and Nutritional Science:** Refer to B.Sc. admission requirements.

**B.Sc. in Nursing:** Nursing entrance requires an overall minimum average of 70% in the following subjects: English, mathematics, chemistry, biology and one other grade 12 academic elective. Applicants must also have a minimum of 70% in each of English, mathematics, chemistry and biology. Check early admissions deadlines.

**Pharmacy Program:** English, mathematics (Math 621B, 611), chemistry, biology plus one academic elective. One year of university in the Science Program is now required for entrance to the pharmacy program at Dalhousie.

**Physiotherapy Program:** Masters of Science in Physiotherapy - following an undergraduate degree. English, mathematics, physics, chemistry, or biology and one academic elective at the grade twelve level are advised.

**Canadian Forces/R.O.T.P :** Students wishing to enrol in the Royal Officer's Training Program will require English, mathematics, physics and chemistry in their grade twelve program.

**Holland College:** Students should check prerequisites for specific programs in the Holland College Calendar. Academic grade 12 courses are required for entrance to some programs.

**PLEASE NOTE that applications to Holland College plus all required documentation must be received by Holland College by February 28, 2007.**

---

**Bachelor of Arts:** This is a four year program where students earn their first degree with a major in their particular area of interest [example – English]

Following this students may go on to do post-graduate work and earn their Master's degree and then their Doctorate (Ph.D.).

Other post-degree options are Law, Social Work, Journalism, Education, Public Relations, Criminology, and R.C.M.P.

**Arts Courses:**

1. **Humanities** – English, Political Studies, Languages, History, Music, Philosophy, and Religious Studies.
2. **Fine Arts** – Theatre Studies, Art, Dance, Interior Design, etc.
3. **Social Sciences** – Psychology, Sociology, Anthropology. (Some math, like statistics, is required)

**Articulation Programs:**

Students may combine college and university programs to earn a degree.

1. **Bachelor of Applied Journalism** – 2 years at Holland College (Journalism) and 2 years at UPEI.
2. **Bachelor of Criminology** – 2 years at Holland College Police Science Program and 2 years at St. Thomas University.
3. **Bachelor of Child and Family Studies** – 2 years at Holland College Early Childhood and 2 years at UPEI.

In the first year of an Arts program, students may select courses from any faculty. English is compulsory.

(1) English (2) History (3) Psychology (4) Biology (5) Math

## **Bachelor of Science**

- ▶ Four year program where students earn their first degree with a major in a particular field (i.e. biology). Following this students may further their studies with a master's degree and then a doctorate (PhD).
- ▶ Other post degree options: medicine, dentistry, law, education

## **Science Courses**

1. Physical Science - Chemistry, Physics
2. Life Sciences - Biology, Nutrition, Nursing
3. Mathematics
4. Engineering
5. Computer Sciences

## **High School Courses:**

Grade 12 – Check academic requirements sheet. \*All universities may not have the same admission requirements. Check with university calendars to satisfy their requirements.

Grade 11 – Mathematics - Math 521A and Math 521B. Sciences – Recommended all three if possible (Chemistry, Biology, Physics). A minimum of two required with one being Chemistry.

## **Bachelor of Business Administration/Commerce**

- ▶ Four year program. Students may further their studies with a master's degree and then doctorate (PhD).
- ▶ Other post degree options are accounting, law, financial advisor, stocks broker.

## **Business Courses:**

1. Accounting
2. Marketing
3. Economics
4. Finance

University of Prince Edward Island's admission website:

[www.upei.ca/futurestudents/html/c\\_general\\_req.html](http://www.upei.ca/futurestudents/html/c_general_req.html)

# CAREERS

## ARTS

Administration Officer	Geographer	Paralegal
Announcer/ Broadcaster	Geological Technician	Personnel Manager
Anthropologist	Historian	Political Organizer
Archaeological Technician	Human Resources Assistant	Program Assistant
Archivist	Human Rights Officer	Program Researcher
Cartographer	Information Technology Analyst	Psychologist
Child & Youth Worker	Insurance Agent	Public Relations Worker
Claim Adjuster	International Relations Specialist	Publicist
Clerk	Interpreter	Publisher
Community Worker	Journalist	Real Estate Salesperson
Conservator	Labour Relations Officer	Research Assistant
Correctional Officer	Law Clerk	Sales Clerk
Correspondent	Lawyer	Sales Manager
Counsellor	Leasing Manager	Salesperson
Court Officer	Legal Researcher	Schedule Clerk
Curator	Librarian	Social Worker
Customer Services	Linguist	Sociologist
Customs Inspector	Manager	Supply Clerk
Day Care Worker	Market Researcher	Teacher
Editor	News Analyst	Teller
Editorial Assistant		Tour Guide
Employee Benefits		Translator
Entrepreneur		Travel Agent
File Clerk		Urban Planner
Funeral Home Services		Writer

# CAREERS

## CREATIVE ARTS

Actor/Actress  
Advertising Artist  
Advertising Layout  
Animator  
Antiquer  
Architect  
Architectural Technician  
Art Dealer  
Art Gallery  
Artificial Limb Maker  
Artisan  
Artist  
Artistic Director  
Author  
Baker  
Band Member  
Cake Decorator  
Camera Operator  
Cartoonist  
Chair Upholsterer  
Choreographer  
Cinematographer  
Clothing Designer  
Columnist

Composer  
Computer Graphics Designer  
Conservator  
Copy Editor  
Cosmetician  
Dancer  
Decorator  
Display Designer  
Draftsman/woman  
Dressmaker  
Entrepreneur  
Fashion Consultant  
Fashion Designer  
Film Editor  
Florist  
Furniture Refinisher  
Gallery Director  
Graphic Artist  
Graphic Arts Technician  
Hairstylist  
Illustrator  
Interior Design  
Media Advertising  
Merchandiser  
Model  
Musician  
Pattern Illustrator  
Photographer  
Printmaker  
Recording Technician  
Script Writer  
Set Designer  
Sign Designer  
Singer  
Special Effects Tech.  
Stage Director

Teacher  
Television Producer  
Television Writer  
Textile Designer  
Theatre Manger  
Wardrobe Supervision  
Writer

# CAREERS

## MATH

## SCIENCE

Accountant  
Accounting Clerk  
Actuary  
Agricultural Scientist  
Agricultural Science  
Air Traffic Controller  
ambulance Attendant  
Animal Care Technician  
Aquatic Biologist  
Architect  
Architectural Technician  
Biochemist  
Biologist  
Botanical Technologist  
Botanist  
Chemical Technologist  
Chemist  
Chiropractor  
Chiropractor Aide  
Computer Analyst  
Computer Programmer  
Dental Hygienist  
Dentist  
Dietician  
Ecologist

Engineer  
Engineering Technician  
Entrepreneur  
Environmental Technician  
Farm Consultant  
Food Technologist  
Forensic Chemist  
Forestry Technician  
Geologist  
Health Care Aide  
Home Health Care  
Horticulturist  
Income Tax Specialist  
Laboratory Tester  
Landscape Architect  
Laser Technician  
Marine Biologist  
Market Analyst  
Mathematician  
Medical Assistants

Medical Lab Technician  
Microbiologist  
Nurse  
Nutritionist  
Occupational Therapist  
Oceanographer  
Operations Analyst  
Pharmacist  
Pharmacy Assistant  
Physical Therapist  
Physicians  
Pilot  
Plant Ecologist  
Pollution Control Tech.  
Radar Technician  
Radiological Technician  
Reflexologist  
Respiratory Therapist  
Surgical Technician  
Systems Analyst  
Teacher  
Therapist  
Veterinarian  
Vet. Assistant  
Zoologist

# CAREERS

## BUSINESS

Accountant  
Accounting Clerk  
Administrative Clerk  
Administrative Officer  
Agent  
Appraiser  
Auditor  
Bank Manager  
Bank Teller  
Billing Clerk  
Budget Supervisor  
Building Superintendent  
Business Economist  
Buyer  
Cashier  
Circulation Manager  
Claims Adjuster  
Claims Collector  
Cost Estimator  
Court Clerk  
Credit Officer  
Customs Broker  
Data Entry Clerk  
Data Processing Consult.

Economist  
Entrepreneur  
Executive Assistant  
Fast Food Worker  
Financial Analyst  
Funeral Home Services  
Hotel Manager  
Industrial Relations Officer  
Insurance Agent  
Investment Analyst  
Investment Broker  
Lawyer  
Leasing Services  
Loan Clerk  
Loan Manager  
Management Consultant  
Marketing Analyst  
Marketing Manager  
Medical Records Technician

Medical Secretary  
Office Clerk  
Paralegal  
Personnel Supervisor  
Political Organizer  
Property Administrator  
Public Relations  
Publisher  
Purchasing Agent  
Realtor  
Receptionist  
Researcher  
Sales Coordinator  
Sales Representative  
Salesperson  
Secretary  
Securities Sales Agent  
Seminar Leader  
Tax Return Preparer  
Teacher  
Telemarketer  
Title Searcher  
Travel Agent  
Waiter/waitress