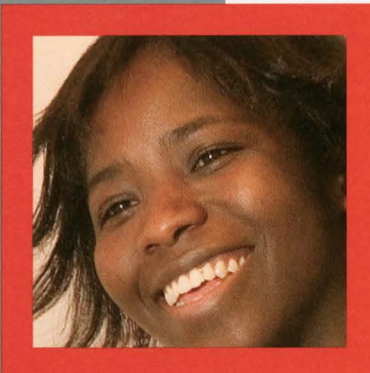
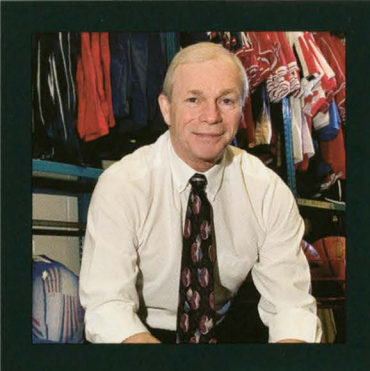


40  
YEARS OF EXCELLENCE  
1964 2004

Brock University 2004/05 Viewbook

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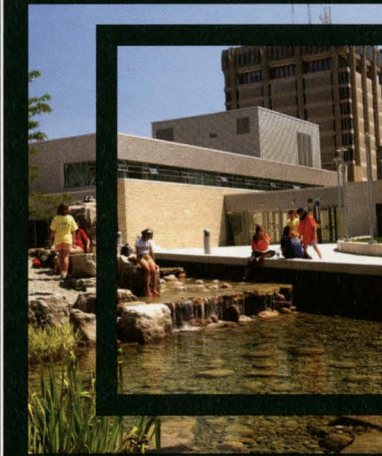
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Find out what it takes to come to Brock.

**Brock University**



Located in southern Ontario between two of North America's Great Lakes (Ontario and Erie), and having one of the mildest climates in Canada, the Niagara region is a wonderful place to be. Over 400,000 people live, work and play in Niagara, and millions more visit our tourist attractions each year. We are known around the world for our award-winning wine industry, and our outstanding natural features such as the Niagara Escarpment, the breathtaking Niagara Parkway, and of course Niagara Falls.

In the heart of Niagara is the City of St. Catharines — home to Brock University. With a population of approximately 130,000 people, St. Catharines combines the best of both worlds — a friendly, mid-size community within easy reach of major cities such as Toronto, Hamilton, Niagara Falls, and Buffalo, New York. Our community boasts countless forms of entertainment, recreational, and cultural activities, as well as a rich history centred around the Welland Canal

system. With charm and beauty, St. Catharines provides our students with all the advantages of a prosperous urban centre in a safe and inviting community.

Overlooking St. Catharines from the crest of the Niagara Escarpment, the Brock campus is a spectacular setting in which to live and learn. In recent years, Brock's campus has undergone unprecedented growth, with over \$110 million of construction completed or underway. New academic buildings, several new residences, outstanding technology, and a state-of-the-art health and fitness facility are all a part of the new Brock.

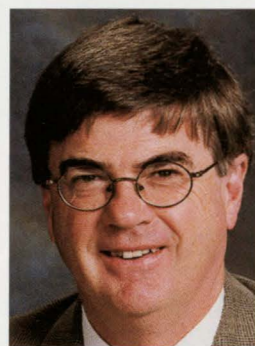
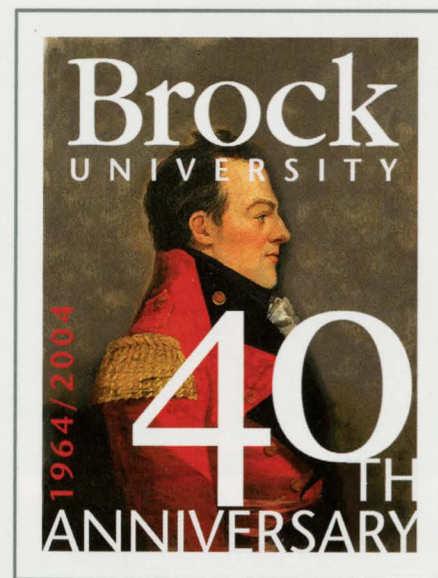
This year as we celebrate our 40th Anniversary at Brock, we look with pride upon our 16,000 current students, as well as over 50,000 Brock graduates who are now applying their Brock degrees around the world. Brock has a proud history, and an exciting future where students continue to pursue an education of the highest quality.

# Brock University... in the Heart of Niagara



# Welcome to Brock University

Mission Statement:  
"Brock University flourishes through the scholarly, creative, and professional achievements of its students, faculty and staff. Offering a range of undergraduate and graduate programs, Brock fosters teaching and research of the highest quality. As a diverse and inclusive community, we contribute positively to Canada and beyond through our imagination, innovation and commitment."



I am very pleased that you are considering Brock University — you have the right to expect the very best. Brock is an outstanding place, a high quality university that is on the move, and one that will truly make you feel welcome.

Brock University celebrates its 40th anniversary in 2004. Throughout its relatively short history, Brock has become widely recognized for its commitment to teaching and learning, and indeed, these attributes exist at the very centre of who we are as a university.

There has been much growth and change over the last few years as Brock aggressively pursues its agenda to become a comprehensive institution with a growing emphasis on graduate programs and research. However, we continue to remain committed to providing a positive and intimate learning environment for undergraduate students — this is one of our highest priorities.

At Brock, you are among friends and you can expect that your university experience will be very personal. We do not want to become just another big university. We take great pride in the fact that our students feel comfortable and at home at Brock. We work hard to ensure that you have the opportunity to get to know our professors and staff, and we remain committed to maintaining the human dimension of our university. We want our students to know that their success matters to us, that their success is our success. Simply put, Brock is a great place to live, to study, and to work.

Our recently approved Mission Statement confirms these values. Committed to excellence in teaching and research, Brock is a diverse and inclusive institution where all are welcome. When you come to decide which university is right for you, consider Brock — you will not be disappointed.

David W. Atkinson  
President and Vice-Chancellor

# Added Value of a Brock Degree

Our goal at Brock is to create a vigorous intellectual climate, in both the world of ideas and in the realm of practice. Everything we do is designed with the student in mind. Whether you plan to begin your career, or pursue further studies, Brock has established outstanding academic programs coupled with many opportunities to enrich your studies through experiential learning.

## An Intimate Learning Environment

Personal interaction with faculty is a way of life at Brock. Early in our history, Brock established a very unique seminar/lab system to accompany almost every lecture. In these small groups, you will explore the lecture material and refine skills such as the ability to analyze and problem-solve, apply learning to new situations, evaluate, critique, and reason. Our distinctive learning environment allows you to develop relationships and to work side-by-side with your professors on major research projects even at the undergraduate level — a privilege that will put you far ahead of other graduates in your field.

## Co-op at Brock

Brock has the second largest selection of Co-op offerings among universities in Ontario and each year we continue to add more options. Through your Co-op placement you will explore different career possibilities, discover your interests, develop key industry contacts, and find the type of environment that suits you.

## EXPERIENCE Plus!

Brock's one-of-a-kind EXPERIENCE Plus! Program will help you secure a competitive edge in the job market by gaining hands-on experience in both paid and volunteer placements. Your experience and demonstrated skills are tracked on an official Brock EXPERIENCE Plus! record to show employers that you are ready to tackle any challenge.

## MED Plus!

While demand for health professionals is high, competition to get into health professional programs is intense. MED Plus! can help. It is an intensive, extracurricular program that aims to give you experience in and exposure to health careers. Working closely with health professionals in the Niagara region, Med Plus! provides you with expert support for program choices, health career resources, career counselling, interview and application skills, MCAT preparation assistance, job shadowing, leadership training, and much more.



*"Choosing to enter the Co-op program at Brock is without a doubt one of the smartest decisions I've made about my education. Working in the 'real world' was a huge benefit in allowing me to put into practice the theory I had learned in school. My position in the Co-op program at Brock has definitely given me an edge over my peers. I have the experience I need, and I have made many contacts to help to give my career a jump-start!"*

- Andrew Smith, 3rd Year Computer Science Co-op  
Co-op placement at Canadian Tire Financial Services

## Current Co-op Programs 2004

Accounting  
Applied Environmental Science and Technology  
Applied Language Studies  
Biochemistry  
Biotechnology  
Business Administration  
Business Economics  
Chemistry  
Communications Studies  
Information Technology  
Media and Culture Studies  
Business Communications  
Communications Policy  
Computer Science  
Computing and Business  
Computing and Mathematics  
Computing and Network Communications  
Computing and Solid-State Device Technology (CAST)  
Dramatic Arts  
Drama in Education and Society  
Dramatic Literature  
Theatre  
Earth Sciences  
Economics  
Environmental Geosciences  
Film Studies  
Neuroscience  
Oenology and Viticulture  
Physics  
Political Science  
Popular Culture  
Psychology

Information on how to apply to Co-op can be found on page 51.

# PROGRAMS DESIGNED JUST FOR YOU

Accounting	11	Commerce - see Business Administration	11	Education, concurrent options	15 & 16
Applied Environmental Science and Technology		Communication Disorders		Engineering, not available	
- see Environment	31 & 38	- see Applied Language Studies	19	- see Computing and Solid-State Device Technology	30
Applied Language Studies	19	Communications Policy		English as a Second Language, teaching - see Applied Language Studies	19
Applied Mathematics		- see Communications Studies	38	English Language and Literature	20
- see Mathematics	33	Communications, Popular Culture and Film		Entrepreneurship	
Archaeology - see Classics	19	- see Communications Studies 38, Film Studies 39, Popular Culture 41		- see Business Administration	11
Art - see Visual Arts	25	Communications Studies	38	Environment	31 & 38
Art History - see Visual Arts	25	Community Health	7	Environmental Geoscience	32
Audiology		Computer Science	29	Feminism - see Women's Studies	42
- see Applied Language Studies	19	Computing and Business	29	Film Studies	39
Biochemistry	27	Computing and Mathematics	29	Finance	
Biological Sciences	27	Computing and Network Communications	30	- see Business Administration	11
Biomedical Sciences	27	Computing and Solid-State Device Technology	30	Financial Economics	
Biotechnology	28	Concurrent Education		- see Business Economics	37
Business Administration	11	- see Education	14	Fine and Performing Arts	
Business, Accounting concentration		Consumer Economics		- see Dramatic Arts 20, Music 23, Studies in Arts and Culture 25	
- see Business Administration	11	- see Business Economics	37	Visual Arts 25	
Business Communications		Co-operative Education	3	French	21
- see Communications Studies	38	Criminology - see Sociology 42, Policing and Criminal Justice 40		General Studies	21 & 39
Business Computing		Disability Studies - see Physical Education	8	Geography	32 & 39
- see Computing and Business	29	Drama - see Dramatic Arts	20	Geographic Information Systems (GIS) - see Geography	32 & 39
Business Economics	37	- see Dramatic Arts	20	Geology - see Earth Sciences	30
Business and Tourism		Dramatic Arts	20	German	22
- see Tourism Studies	9	Dramatic Literature - see Dramatic Arts	20	Government	
Canadian Studies	19 & 37	Earth Sciences	30	- see Business Administration 11, History 22, Political Science 41	
Canadian and European Union Studies - see Integrated Studies	22	Economics	38	Graduate Studies	43
Centre for International Studies		Economics and Business		Grape and Wine Technology	
- see International Studies	23	- see Business Economics 37, International Political Economy	40	- see Oenology and Viticulture	34
Centre for the Environment		Education, Pre-service	16	Great Books/Liberal Studies	22
- see Environment	31 & 38			Greek and Latin - see Classics	19
Centre for Studies in Arts and Culture				Health - see Child Health 7, Community Health 7, Health Sciences 7, Medicine Preparation 8 & 33, Nursing 8	
- see Studies in Arts and Culture	24				
Chemistry	28				
Child Health	7				
Child and Youth Studies	37				
Classics	19				
Classical Studies - see Classics	19				

Health Sciences	7	Management, tourism administration - see Tourism Studies	9	School of Fine and Performing Arts - see Studies in Arts and Culture 25, Dramatic Arts 20, Music 23, Visual Arts 25	
Hearing Science	19	Marketing		Sociology	42
History	22	- see Business Administration	11	Software Engineering	
Human Geography		Mathematics	33	- see Computer Science	29
- see Geography	32 & 39	Mathematics Integrated with Computers and Applications (MICA) - see Mathematics	33	Spanish	24
Human Resource Management		Media and Culture		Speech and Language Science	19
- see Business Administration	11	- see Communications Studies	38	Speech Pathology	
Hydrology - see Earth Sciences	38	Medicine Preparation	8 & 33	- see Applied Language Studies	19
Inclusive Recreation - see Recreation and Leisure Studies	8	Movement Studies		Sport Management	9
Information Technology, software and intelligence systems		- see Physical Education	8	Statistics - see Mathematics	33
- see Computer Science	29	Music	23	Studies in Arts and Culture	25
Information Technology, hardware		Nursing	8	Teaching - see Education	14
- see Computing and Solid-State Device Technology	30	Oenology and Viticulture	34	Teaching English as a Second Language - see Applied Language Studies	19
Information Technology		Outdoor Recreation - see Recreation and Leisure Studies	8	Technology and Computers	
- see Communications Studies	38	Painting - see Visual Arts	25	- see Computer Science	29
Integrated Studies	23	Paleontology - see Earth Sciences	30	Technology and Teaching	
Intelligence systems		Philosophy	24	- see Education/Technological Education	16
- see Computer Science	29	Physical Education	8	Theatre - see Dramatic Arts	20
International Business and Trade		Physical Geography		Therapeutic Recreation	
- see Business Administration	11	- see Geography	32 & 38	- see Recreation and Leisure Studies	8
International Political Economy	40	Physics	35	Tourism Studies	9
International Studies	22	Planning and Development, tourism - see Tourism Studies	9	Visual Arts	25
Italian	23	Policing and Criminal Justice	40	Waste Management	
Kinesiology	7	Political Science	41	- see Environment 31 & 38, Earth Sciences 30	
Labour Studies	40	Pollution Control		Water Management	
Labour Studies and Politics		- see Environment	31 & 38	- see Earth Sciences	30
- see Political Science	41	Popular Culture	41	Weather Sciences	
Languages - see French 21, German 22, Italian 23, Spanish 24, Greek and Latin		Professional Ethics - see Philosophy	23	- see Earth Sciences	30
- see Classics 19		Professional Writing - see English Language and Literature	20	Women's Studies	42
Law - see Political Science (Public Law concentration)	41	Psychology	41		
Liberal Studies		Public Administration	11		
- see Great Books/Liberal Studies	22	Pure Mathematics			
Linguistics		- see Mathematics	33		
- see Applied Language Studies	19	Recreation and Leisure Studies	8		
Management		Romance Languages - French 21, Italian 23, Spanish 24			
- see Business Administration	11				
Management, sport					
- see Sport Management	9				

Programs at Brock are divided among six different Faculties. Each program is colour-coded according to the Faculty to which it belongs. ● Applied Health Sciences ● Business ● Education ● Humanities ● Mathematics and Science ● Social Sciences

# APPLIED HEALTH SCIENCES

*"I chose the Sport Management program because of the unique opportunity to combine my interest in sport with a strong business background. Brock's program prepared me exceptionally well for my current position at the CBC."*

Mark Santone, Honours Bachelor of Sport Management  
Sports Marketing Analyst, CBC Canada



The Faculty of Applied Health Sciences is Brock's fastest growing Faculty, offering a range of innovative programs to prepare students for a variety of careers in existing and emerging fields. Fourth-year Physical Education major Kirsti Siltanen, left, divides her time between classes, working in Recreation Services, and working as a Student Athletic Trainer for the varsity women's volleyball team. Kirsti helps athletes such as Amy Tupling (fourth-year Child and Youth Studies) to remain in top physical condition throughout the competitive season.

## CHILD HEALTH

- 4 yr BA Honours
- MA

This limited enrolment program is perfect if you have a strong interest in careers that are concerned with the health and wellness of children and adolescents. The program draws on the strengths of the Department of Child and Youth Studies and the Department of Community Health Sciences. Internships allow you to gain practical experience in health-related professions that are primarily concerned with children.

### Career Opportunities

- early childhood educator
- school teacher
- pediatrician
- pediatric occupational therapist
- social worker

## COMMUNITY HEALTH

- 3 yr BA
- 4 yr BA Honours
- MA

The BA and BA Honours in Community Health provide insight into public health issues and will develop your skills in health promotion and program evaluation. Topics such as nutrition, sexuality, gender, and aging are viewed from a community health perspective. You will develop the knowledge and skills needed to work in both public and corporate health settings as a health educator or to pursue post-graduate studies. There are many opportunities for self-directed study including internship possibilities with community placements. The programs

seek to provide a holistic perspective of health. If you plan to pursue a career in a health profession, you may wish to team up this degree with our one-of-a-kind MED *Plus* program. See pages 3 and 44 for more details about MED *Plus*.

### Career Opportunities

- wellness consultant
- health educator/teacher
- health promotion specialist
- child health worker
- sports medicine adviser

## HEALTH SCIENCES

- 4 yr BSc Honours
- MSc

Are you interested in a career in medicine or health? This program has been developed for students who want to continue their studies in medicine, physiotherapy, and other health professions. The course components have been designed to meet the entrance requirements of all major North American medical schools. Brock's BSc Health Sciences degree is well recognized by Ontario medical schools. Brock's program focuses on the biophysical foundation of health, with courses in anatomy, physiology, chemistry and biology. The program is unique in including advanced courses such as clinical epidemiology, pharmacology and pathology at the undergraduate level.

If you plan to pursue a career in the health profession, you may wish to team up this degree with our one-of-a-kind MED *Plus* program. See pages 3 and 44 for more details about MED *Plus*.

### Career Opportunities

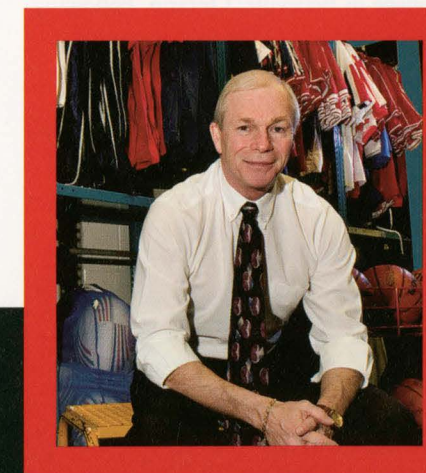
- physician
- physiotherapist or chiropractor
- public health educator
- allied health professions

## KINESIOLOGY

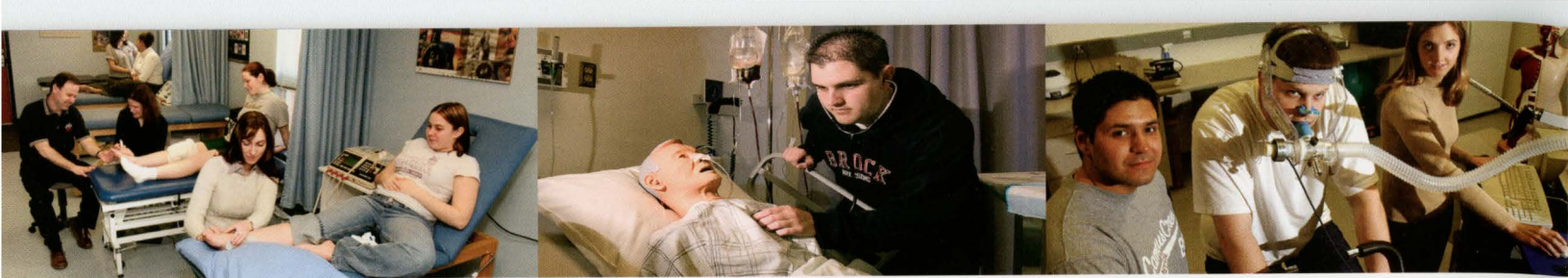
- 4 yr BKin
- 4 yr BKin Honours
- 4 yr BSc
- 4 yr BSc Honours
- MSc

Kinesiology is an emerging science that studies human movement and physical activity, and their influences on overall health and wellness. Students may choose from two options within the Kinesiology program, a Bachelor of Kinesiology (BKin), or a Bachelor of Science in Kinesiology BSc(Kin). The BKin degree emphasizes the biophysical sciences and provides a social/cultural perspective with regard to physical activity. The BSc(Kin) degree offers you an even stronger science focus, and will develop a highly competent scientific background with an emphasis on research skills and the application of theoretical knowledge in laboratory settings.

Brock is one of only three universities in Canada to meet national accreditation standards for both our Kinesiology and Physical Education programs.



Professor Lorne Adams, MA, EdD, (Physical Education and Kinesiology) has written over three-dozen publications and presentations, and also developed a community outreach program for at-risk youth in the Niagara Region. In 2004, he was recognized with the prestigious 3M Teaching Fellowship and Faculty Award of Excellence in Teaching. Professor Adams also serves as the Director of Athletics, overseeing 29 varsity and club teams.



### Career Opportunities

- rehabilitation
- coaching
- sport psychology
- exercise prescription and programming
- fitness and athletic performance assessment
- exercise science research

## MEDICINE PREPARATION

Are you interested in practising medicine? While Brock does not have a medicine faculty, we're a great choice for your pre-medicine course work. Our tutorial-based seminar system excels in developing your critical thinking skills and is superb preparation for the problem-based learning model of medicine curriculum that is used by many medical schools throughout North America. We recommend partnering our MED *Plus* program with a degree in Health Sciences, Community Health, Biological Sciences, Biomedical Sciences or Neuroscience. For more information on MED *Plus*, see pages 3 and 44.

## NURSING

- 4 yr BScN
- 16 month BScN (completion degree)

A four-year BSc in Nursing is offered by Brock in collaboration with Loyalist College in Belleville, Ontario. Following the completion of the first two years at Loyalist, you will transfer to Brock for the final two years of study. The four-year baccalaureate program builds on the strengths of both institutions. The opportunity to study in two different communities will enrich your learning experience. You will acquire the knowledge, skills, and attitudes that will prepare you for professional nursing

practice within the context of a changing health-care system. Graduating with a Brock degree in Nursing, you will be eligible to write the College of Nurses of Ontario registration exams.

**Degree Completion option:** If you have completed a diploma in Nursing and wish to pursue your Bachelor of Science in Nursing degree, you may want to consider our 16-month BScN degree completion option. Courses in nursing theory, research, ethics, leadership, and management are combined with basic health science courses and electives.

### Career Opportunities

- public health nurse
- hospital care
- research
- policy development
- administration

## PHYSICAL EDUCATION

- 4 yr BPhEd with a Major
- 4 yr BPhEd Honours
- Concentrations: Disability Studies, Movement Studies, General Physical Education
- 5 yr Concurrent BPhEd (Honours)/BEd (Grades K to 6)
- 5 yr Concurrent BA Integrated Studies (Honours)/BEd (Grades 4 to 10, emphasizing elementary school)
- 5 yr Concurrent BPhEd (Honours)/BEd (Grades 7 to 12)
- MA
- MSc

If you are interested in human movement, performance and inclusive involvement in physical activity, then Brock's Physical Education program is the place to be. We offer three concentrations, each with an array of practical experience through field

placements and practicums.

In *Disability Studies*, you will focus on the therapeutic and holistic benefits of physical activity, and learn how to apply movement analyses and programming for persons living with disabilities and chronic conditions.

In *Movement Studies*, you will study a combination of theory and practical courses to apply movement knowledge in educational contexts such as teaching, coaching, and administration.

In *General Physical Education*, you will gain a broad understanding of the discipline, with maximum flexibility in your course selections.

Brock is one of only three universities in Canada to meet national accreditation standards for both our Kinesiology and Physical Education programs.

**Concurrent education** is a limited enrolment program for students interested in teaching. For more information, see the Faculty of Education, page 14.

### Career Opportunities

- therapeutic and rehabilitative programmer
- physical education teacher
- athletic therapist
- sport psychologist
- fitness consultant/coach

## RECREATION AND LEISURE STUDIES

- 3 yr BRLS (General program only)
- 4 yr BRLS with a Major
- 4 yr BRLS Honours
- Concentrations: Outdoor Recreation, Inclusive and Therapeutic Recreation
- MA

Recreation professionals must be well educated to deliver the significant health, social, economic and

environmental benefits that leisure services generate for our society.

As a Recreation and Leisure Studies student, you may choose one of the following areas for your Honours or Major degree:

The *General Recreation* program allows students the maximum flexibility to develop their own program to meet specific needs in the workplace, or to combine several interests rather than focusing on one.

The *Concentration in Outdoor Recreation* gives you a broad overview of ecotourism, adventure, parks management, leadership, and wilderness pursuits. Brock's location on the Bruce Trail affords you a unique heritage environment for study. This program prepares you to respond to North America's growing demand for more varied outdoor recreation programs.

In the *Concentration in Inclusive and Therapeutic Recreation*, your focus is on the goal of ensuring that all individuals have access to meaningful leisure in their lives. You will gain hands-on experience in the assessment, planning, implementation, and evaluation of recreation programs within both inclusive and therapeutic contexts.

You will have the opportunity to gain experience through fieldwork placements in Years 3 or 4 and may also earn credits in teachable subjects to help qualify for teacher's college.

### Career Opportunities

- sport/health promotion and active living consultant
- conference and event manager/marketer
- municipal, corrections, non-profit or private sector program supervisor

- hospital/long-term care therapeutic professional
- tourist resort entertainment director
- community developer/play space planner

## SPORT MANAGEMENT

- 3 yr BSM
- 4 yr BSM Honours
- MA

With a BSM degree, you will be prepared to meet the needs of the rapidly expanding sport industry. This is one of Brock's fastest growing programs. It is also one of the few Sport Management degree programs offered in Canada. You will gain significant hands-on experience through practical fieldwork and experiential learning in sport and related industries during all years of your degree program.

### Career Opportunities

- sport marketing manager
- coordinator of athlete services
- special events coordinator
- director, facility operations
- sport program manager

## TOURISM STUDIES

- 4 yr BTS with a Major
- 4 yr BTS Honours
- Minor in Tourism Studies
- MA

Be part of one of the fastest growing industries in the world — travel and tourism. Our Niagara location puts you in one of the world's most visited

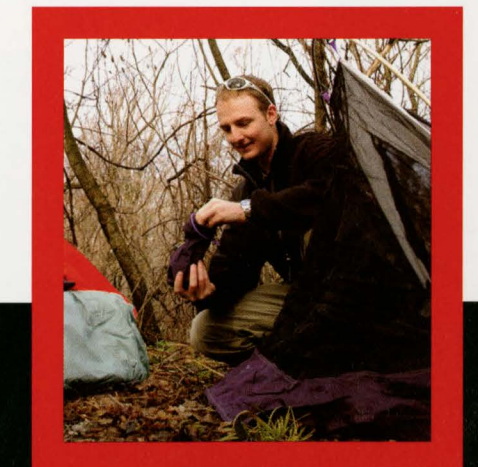
international tourism sites. You can choose from two specialization streams: *Tourism Administration* or *Tourism Planning and Development*. You will gain expertise in the international tourism industry, designing and planning environmentally friendly tourist resorts, ecotourism, motivation of travellers, and factors affecting tourist behaviour. Also, you'll learn about the protection and management of heritage and historic sites, wine tourism in rural areas, managing visitor attractions, and the promotion and marketing of tourism products.

A **Minor in Tourism Studies** is available for students who wish an overview of tourism studies while pursuing a degree in another subject area.

### Career Opportunities

- government/parks and tourism planner
- economic development agency co-ordinator
- airline and transportation industry employee
- hotel/resort manager
- travel agent/agency owner

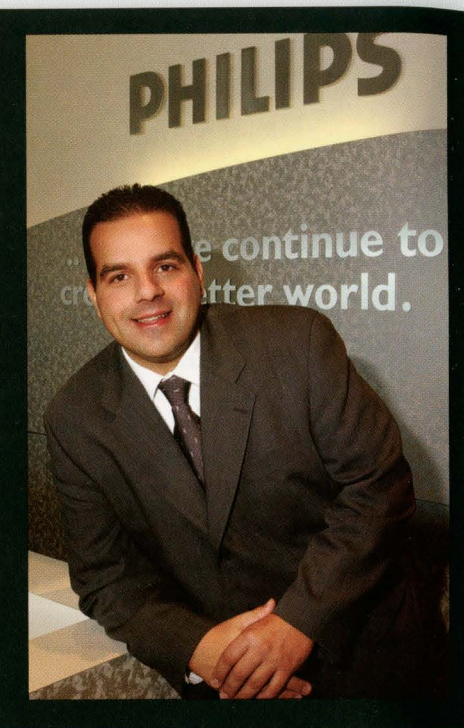
Fourth-year Recreation and Leisure Studies student Andrew Leeming has already started to apply the theory and business practices he learned in the classroom by successfully launching his own business, The Pheonix Club. Andrew's company offers adventure recreation services to people of all ages including hiking excursions, kayak and canoe trips, and many winter activities.



# BUSINESS

*"I loved the people and culture at Brock. As an incoming student, I was very impressed by Brock's strong reputation in business, and I have continued to be impressed as I see Brock grow and advance in all fields."*

Walter Andri, Honours Bachelor of Business Administration  
Director of Sales, Philips Electronics Ltd.



Brock's Faculty of Business combines rigorous academic courses with a professional orientation to prepare students for today's dynamic business environment. The Faculty has been recognized for its excellence with accreditation by the Association to Advance Collegiate Schools of Business. Upon entering Brock, Accounting Co-op student Steve Elnazir received a scholarship from KPMG Accounting Firm and has now completed his third Co-op placement with this same organization. Steve is very grateful for the outstanding opportunities Brock has provided him, and looks forward to soon working in the field as a certified chartered accountant.

www.brocku.ca

## ACCOUNTING

- 4 yr BAcc Honours **CO-OP**
- 4 1/2 yr BAcc Honours Co-op
- BAcc after a previous degree
- 1-2 yr Bachelor of General and Applied Studies
- MAcc

Expanded technology, increased regulation, and client demands for more information make accounting a growing field. If you want a career as a professional accountant, our program is designed specifically for you, with rigorous academic courses integrated with a professional orientation. Our program meets all the requirements for certification by both the Ontario Institute of Chartered Accountants and the Society of Management Accountants. Our degree has a national reputation for excellence. Brock graduates consistently score high on the national accounting examinations and enjoy a wide variety of employment opportunities.

The Co-op Accounting option, the second largest in Ontario, is very popular with employers. To be considered for the program, you need a minimum 80 per cent average and must submit a résumé. Almost 100 per cent of our Co-op students are employed immediately upon graduation.

As a Co-op student, be prepared for a compressed study and work schedule using your spring and summer terms so that you can complete your Brock Co-op degree in just four and a half years. You will complete three academic terms and then alternate Co-op work placements with your remaining course work. Your Co-op work terms (up to 20 months) are credited towards the 30-month practical experience requirement to become a CA in Ontario. To enter the regular or Co-op options, you

should apply directly from high school. For more information about Co-op at Brock, please see page 3.

The BAcc as a Second Degree is designed for high quality, motivated students who already have a degree in a non-business area, and want to expand their career potential with accounting expertise. If you have an overall 70-per-cent average in your first degree, you can receive up to 10 credits towards our BAcc and complete the degree in a minimum of two years.

The Bachelor of General and Applied Studies provides a degree completion program for students graduating from Seneca College in Accounting and Finance.

### Career Opportunities

- chartered accountant (CA)
- certified management accountant (CMA)
- certified general accountant (CGA)
- corporate financial officer

### Brock Facts 2003-2004

Full-time students	10,485
Part-time students	5,042
Total students	15,527
Total graduates	47,745
Degrees awarded	52,735
Full-time faculty	490
Permanent staff	654
Residence accommodations (beds)	2,409
Library holdings	1,631,750

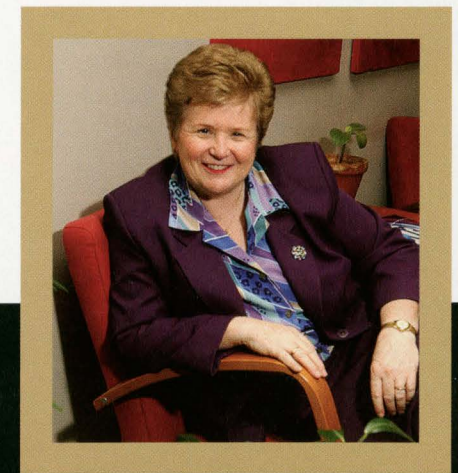
Professor Carol Sales, PhD, (Business Administration) has been at Brock University for 25 years, and was awarded the Faculty Award of Excellence in Teaching in 2003. Her teaching interests include organizational behaviour, training and development, and organizational theory and design. Professor Sales also conducts research on leadership effectiveness, and human rights and job redesign, in addition to publishing texts and providing consulting services.

## BUSINESS ADMINISTRATION

- 4 yr BBA **CO-OP**
- 4 yr BBA Honours
- 4 1/2 yr BBA Honours Co-op
- Minor in Business
- Concentrations: Accounting, Entrepreneurship, Finance, General Management, Human Resource Management, International Business, Marketing, Public Administration
- MBA

We recognize the growing demand for professional managers with business education. Brock's BBA program combines professionally oriented business courses with studies in social sciences, humanities, mathematics and science. Our graduates enjoy a wide variety of employment opportunities in industry, commerce and government, and many have gone on to graduate studies in law, business and public administration.

To be considered for the Co-op Business Administration option, you need a minimum 80-per-cent average and must submit a personal résumé. In your first two years, you will study the functional areas of business, along with the Canadian and global business environment. In the final two and a half years of your program, you will work full time in paid Co-op jobs for valuable practical experience, with alternating terms back on campus to finish your





courses. You must maintain a 70-percent average each year to continue in the Co-op program. You may also apply for a limited number of Co-op spots upon completion of the first year of your studies. For more information about Co-op at Brock, please see page 3.

As either a regular BBA student or a Co-op student, you can choose one of the following concentrations:

The *Accounting BBA* gives you a broad range of business courses and other electives, as well as courses in financial reporting, cost management, systems, auditing and taxation.

The *Entrepreneurship BBA* gives you an excellent background for new venture creation, operating a small business or managing a family business.

The *Finance BBA* option prepares you for superb job opportunities in treasury management, banking, portfolio management, investment banking, investment advising, financial planning and financial analysis.

The *General Management BBA* lets you study a broad spectrum of courses across the various business disciplines.

The *Human Resource Management BBA* teaches you how to manage employee and labour relations. Most of our HRM courses are eligible towards the Certified Human Resource Professional designation in Ontario.

The *International Business BBA* enhances your career in our global economy with international operations management knowledge in finance, human resources and marketing.

The *Marketing BBA* develops your skills in market research, advertising, consumer behaviour, industrial and retail marketing, marketing financial services and international marketing.

The *Public Administration BBA* prepares you for working in public

institutions, managing people in the public sector and government and business operations. Federal, provincial and municipal governments are among the largest employers in Canada.

You apply to the regular and Co-op options directly from high school.

A **Minor in Business** is available if you wish to obtain an overview of business while pursuing your degree in another Faculty.

#### Career Opportunities

- banker
- human resource manager
- business owner
- public service manager
- stockbroker
- financial policy and planning adviser



**Brock's Faculty of Business is among the world's best**

The Faculty of Business at Brock joins a small group of exceptional business schools around the world with international accreditation conferred by the Association to Advance Collegiate Schools of Business (AACSB), the oldest and most respected accrediting body for business schools. With this accreditation, Brock is recognized as offering business programs that are among the best worldwide, and one of only 11 AACSB-accredited business schools in Canada. The Association boasts such top-ranked schools as Harvard, Yale, the London Business School (UK), University of Toronto and Queen's University.



#### How to Find Us

If you are coming from a location in Ontario:

Take the Niagara-bound QEW (Queen Elizabeth Way) to the Highway 406 cut off (the sign reads 406 Thorold, Welland, Pt. Colborne). Exit the 406 at St. David's Road West. At the third intersection, you will be on campus.

#### If you are coming from the United States:

Directions from Buffalo, N.Y.: Take the Peace Bridge border crossing. Once you reach the Canadian side, you will be on the Queen Elizabeth Way (QEW). Follow the QEW (Toronto-bound) to Thorold Stone Road West, exit (changes to Highway 58 just after the Thorold Tunnel). Exit at St. David's Road West and turn left at the lights. You will proceed right onto the campus.

#### Directions from Niagara Falls, N.Y.:

If you are crossing at the Rainbow Bridge in Niagara Falls, N.Y., once on the Canadian side, take the 420 West, and proceed to the QEW Toronto-bound cut-off. Exit at Thorold Stone Road West. Proceed on Thorold Stone Road West (changes to Highway 58 just after the Thorold Tunnel) and exit at St. David's Road West. Turn left at the lights and you will proceed right onto campus.

#### Once you arrive on campus

Park in lot D. Walk to the Schmon Tower — it's the tallest building on campus; you won't be able to miss it! The friendly staff at the Information Desk will direct you to Recruitment and Liaison Services.

"My tour guide answered all of my questions. I'm really excited about next fall. I can't wait to come here!"

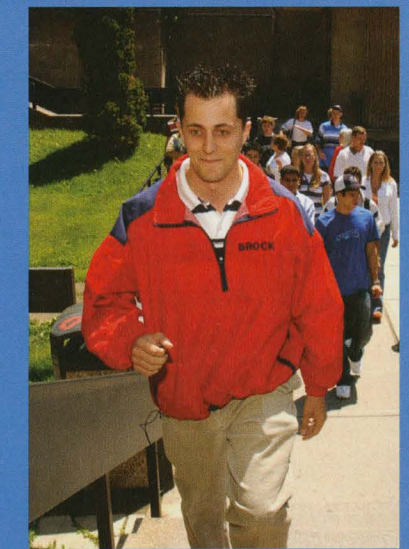
- Derek Ramsay,  
Student  
Leaside High School,  
Toronto

# Campus Tours... Up Close and Personal

See your future on a Brock Campus Tour! Tours run Monday to Friday, at 10 a.m. and 2 p.m., as well as select Saturday dates at 12 noon. Reservations are appreciated.

To reserve a tour check out our Web Site at: [www.brocku.ca/prospective/](http://www.brocku.ca/prospective/)  
E-mail us at: [liaison@brocku.ca](mailto:liaison@brocku.ca)  
Call Recruitment and Liaison Services at: 905-688-5550, ext. 4293

Brock University  
500 Glenridge Avenue  
St. Catharines, Ontario

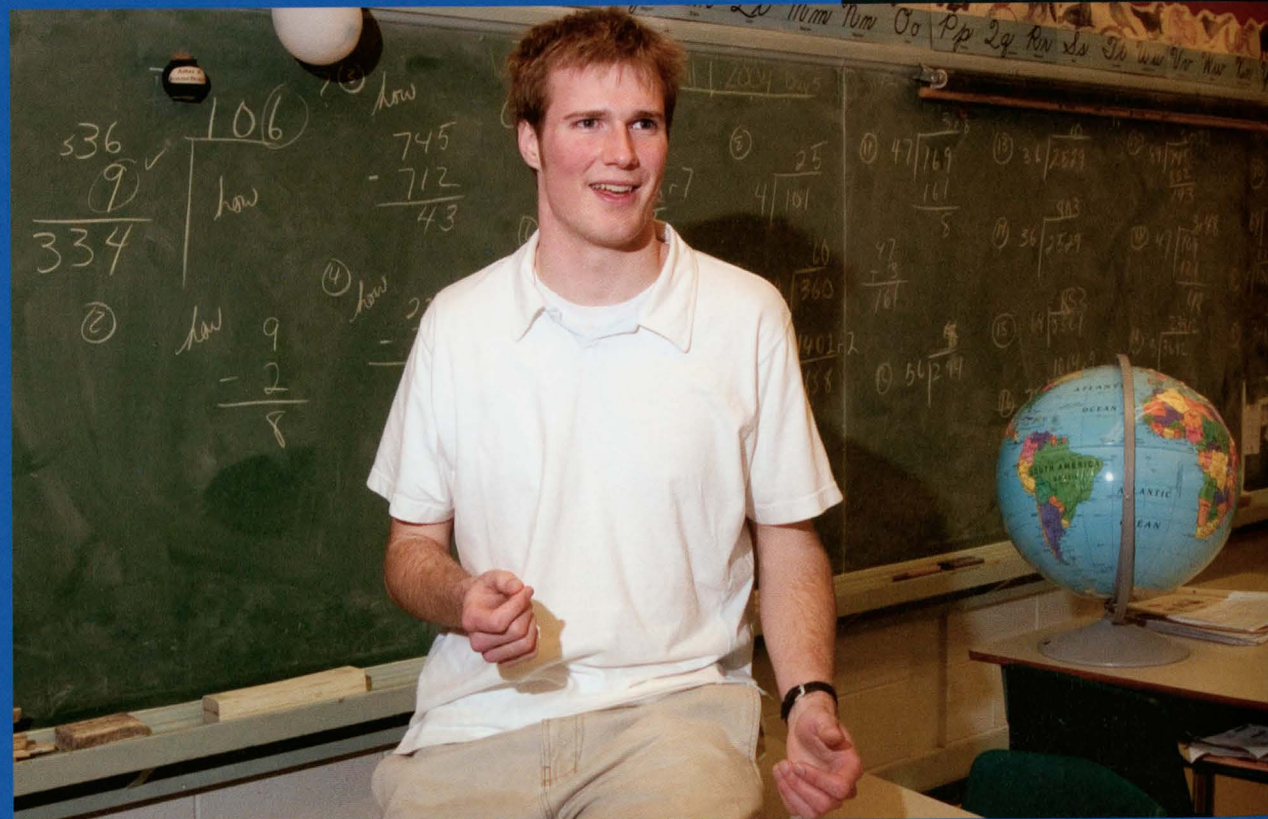




# EDUCATION

*“My experiences at Brock were extremely helpful in facilitating a smooth transition into my career as a teacher. Brock’s unique counselling groups proved to be an invaluable resource as I encountered new schools and teaching situations.”*

Kathryn Pyper, Bachelor of Arts in Child and Youth Studies/Bachelor of Education  
Grade 1 Teacher



The Faculty of Education at Brock University is one of the largest in Ontario, boasting an outstanding reputation in teacher education. Students can choose from a range of undergraduate and graduate studies in Concurrent Education, Pre-Service Education and Continuing Education. These programs provide a unique approach, integrating professional practice fieldwork with classroom learning. Second-year student Scott Cates has enjoyed numerous practical experiences through the concurrent Bachelor of Science/Bachelor of Education program and recently completed a placement in a Grade 6 classroom at Briardale Elementary School in St. Catharines.

www.brocku.ca

## PRIMARY/JUNIOR CONCURRENT EDUCATION (Grades K-6)

- 4 yr BA CHYS (Pass)/BEd (second year entry)
- 5 yr BPhEd (Honours)/BEd (second year entry)

### BA CHYS (Pass)/BEd:

You will study four years in total to complete a three-year BA with a single major in Child and Youth Studies and a BEd at the same time. Our concurrent degree is unique in integrating the academic and teacher-education courses throughout the program. Enrolment is limited in this very popular program. All students complete the common first year in Child and Youth Studies and then apply on a competitive basis for admission to the concurrent program at the end of the first year.

### BPhEd (Honours)/BEd:

All students complete the common first year in Physical Education and then apply on a competitive basis for admission to the concurrent program at the end of the first year. You will study a total of five years to complete a four-year BPhEd Honours degree and a BEd at the same time. You will learn foundational knowledge in psychosocial and physical development, practically applied in personal movement, teacher education and school settings.

Successful graduates of a teacher education program are normally recommended to the Ontario College of Teachers for membership and to receive their Ontario Certificate of Qualification (OCQ).

## JUNIOR/ INTERMEDIATE CONCURRENT EDUCATION (Grades 4-10, emphasizing elementary school)

- 4 yr BSc Integrated Studies (Pass)/BEd (Mathematics or Science)
- 5 yr BA Integrated Studies (Honours)/BEd
- 5 yr BSc Integrated Studies (Honours)/BEd

### BSc Integrated Studies (Pass)/BEd (Mathematics or Science):

Study for four years in total to complete a three-year BSc in Integrated Studies and a BEd at the same time, with the option to take an Honours year after completion of the concurrent program.

You will take either the mathematics or the science stream (with science concentrations in one of Biological Sciences, Chemistry, Earth Sciences or Physics).

The program combines a focus on contemporary science and mathematics with teaching techniques.

You will also study courses in child and youth development, humanities and psychology. This program is designed for students interested in teaching mathematics or science at the junior and intermediate levels (Grades 4 to 8). You will also have opportunities to teach at Brock Science Camps (designed for Grades 6, 7 and 8 students, during May and June each year), tutor youngsters, work with the Niagara Science Fair and much more.

### BA Integrated Studies (Honours)/BEd; BSc Integrated Studies (Honours)/BEd:

Study for five years in total to complete an Honours BSc or Honours BA in Integrated Studies and a BEd at the same time. You can choose teachables in Dramatic Arts, English, Environmental Science, French, Geography, History, Mathematics, Music (vocal), Physical Education, General Science, or Visual Arts. You apply to this program directly from high school.

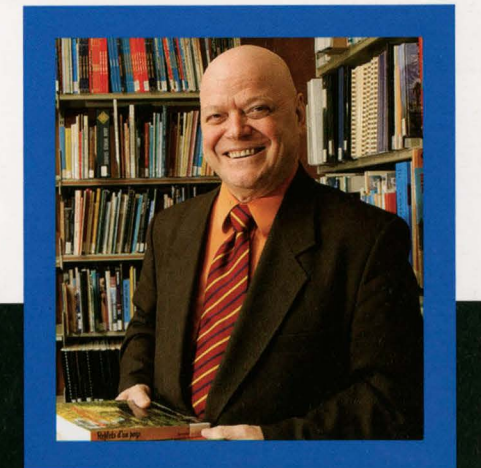
Successful graduates of a teacher education program are normally recommended to the Ontario College of Teachers for membership and to receive their Ontario Certificate of Qualification (OCQ).

## INTERMEDIATE/ SENIOR CONCURRENT EDUCATION (Grades 7-12)

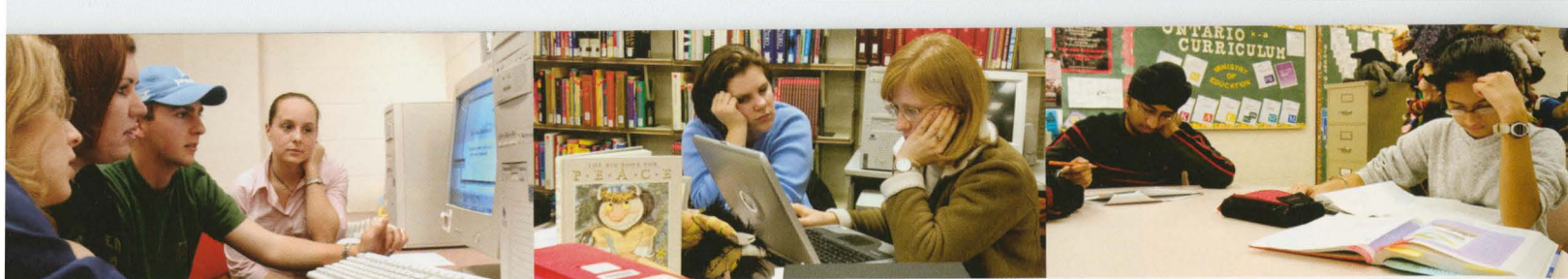
- 5 yr BA (Honours)/BEd
- 5 yr BPhEd (Honours)/BEd
- 5 yr BSc (Honours)/BEd

### BA (Honours)/BEd:

In five years, complete your required Arts major teachable as well as a BEd. Major in Dramatic Arts, English, French, Geography, History, or Visual Arts, and combine it with another



Professor Anthony Mollica, is a Professor of Education and is a leader in second language teaching. He has written and published numerous books and articles and has served as editor for major Canadian language journals. He has received numerous commendations including “Una vita per l’italiano” from the University of Venice for the promotion of Italian; the Distinguished Service Award by The American Association of Teachers of Italian; and the Faculty Award of Excellence in Teaching from Brock University.



teachable subject of interest. You apply to this program directly from high school.

**BPhEd (Honours)/BEEd:**

If you wish to teach Physical Education at the Intermediate-Senior level, this is the program for you! In five years, complete all of your required courses to receive a Bachelor of Physical Education as well as a Bachelor of Education. Combine your major teachable with a second teachable subject of interest. You apply to this program directly from high school.

**BSc (Honours)/BEEd:**

In five years, complete a required Science major teachable as well as a BEEd. You can major in Biological Sciences, Chemistry, Computer Science, Geography, Mathematics, or Physics. Combine your major teachable with a second teachable of interest. You apply to this program directly from high school.

Successful graduates of a teacher education program are normally recommended to the Ontario College of Teachers for membership and to receive their Ontario Certificate of Qualification (OCQ).

**BEEd PRE-SERVICE  
(for students with a university degree)**

- 1 yr BEEd Primary/Junior (Grades K-6)
- 1 yr BEEd Junior/Intermediate (Grades 4-10, emphasizing elementary school)
- 1 yr BEEd Intermediate/Senior (Grades 7-12)
- 1 yr BEEd Intermediate/Senior (Grades 7-12)/Certificate in Enterprise Education
- 1 yr BEEd in Technological Studies
- 1 yr BEEd in Design and Technology
- 1 yr BEEd in Adult Education
- Certificate in Adult Education
- MEd
- PhD

The BEEd Pre-Service program is a consecutive degree program for students who already have a university degree. The program leads to a BEEd and an Ontario Certificate of Qualification (OCQ). Full-time studies start in September and finish the following May. Our unique program features professional practice fieldwork supervised by counsellors working with groups of students in internship centres located in schools throughout the Niagara Peninsula and the regions of Hamilton-Wentworth, Peel, Haldimand and Halton. You can take our Pre-Service degrees at either our St. Catharines or Hamilton campus. We also offer special programs in Technology Education and in Enterprise Education.

**BEEd/Enterprise Education:**

If you already have a degree and want to teach secondary school as well as entrepreneurship skills, the Enterprise Education BEEd may interest you. This unique program runs from September to July with an extended 28-week practicum. Upon successful completion, you receive a BEEd, a Professional

Certificate in Enterprise Education, and our recommendation for OCQ certification.

**Technology Education:**

If you have the appropriate degree, college diploma or work-related experience, one of our technological studies programs may interest you:

The *BEEd in Technology Studies* prepares you to teach two subjects from communications, construction, manufacturing, technological design, transportation, hospitality services and personal services.

The *BEEd in Design and Technology* prepares you to teach design and technology plus a second academic subject.

**BEEd in Adult Education or Certificate in Adult Education:**

This program gives community college personnel the opportunity to enhance their abilities to deliver educational services consistent with the demands of adult student learners. Unlike all of our other BEEd programs, this program does not lead to an OCQ.

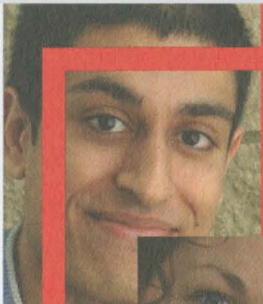

**Continuing Professional Development Courses:**

The faculty offers an extensive array of professional development experiences (credit and non-credit) for teachers and administrators at our St. Catharines and Hamilton campuses, as well as selected offerings in Mississauga and Seneca College in Toronto.

**Career Opportunities**

- public or separate school board teacher, Ontario
- private school teacher, national and international
- corporate trainer
- child and youth care worker

# The Brock Experience Face to Face


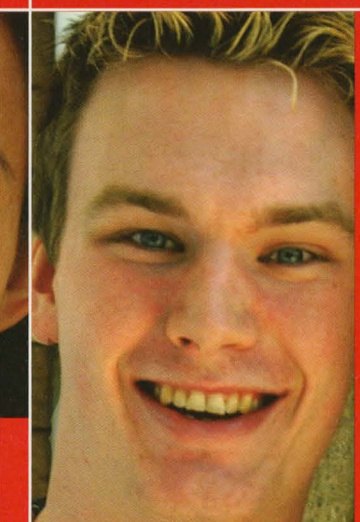
Come find out for yourself what makes Brock University so special

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Fall Preview Day:  
Sunday  
October 17, 2004  
1 p.m. - 4 p.m.

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Open House:  
Sunday  
March 13, 2005  
12 noon - 4 p.m.

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- Visit our Marketplace to speak with professors, staff and students from every academic program and student service Brock offers!
- Find out about Brock's co-op and internship programs
- Take campus and residence tours
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To register, please visit [www.brocku.ca/prospective](http://www.brocku.ca/prospective) and click on the button provided, or contact Recruitment and Liaison Services at:  
905-688-5550, ext. 4293  
E-mail: [liaison@brocku.ca](mailto:liaison@brocku.ca)

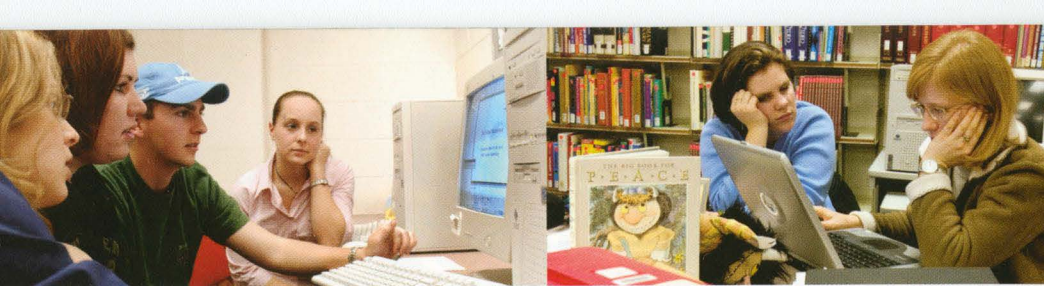
Brock University  
500 Glenridge Avenue  
St. Catharines, ON  
L2S 3A1

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16

[www.brocku.ca](http://www.brocku.ca)

17



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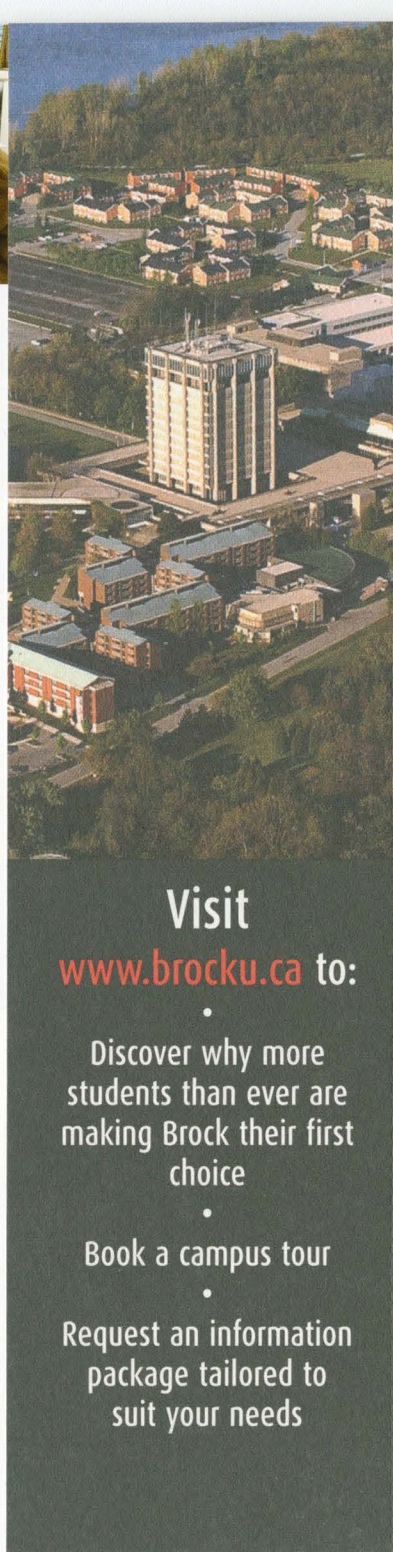
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Visit

[www.brocku.ca](http://www.brocku.ca) to:

• Discover why more students than ever are making Brock their first choice

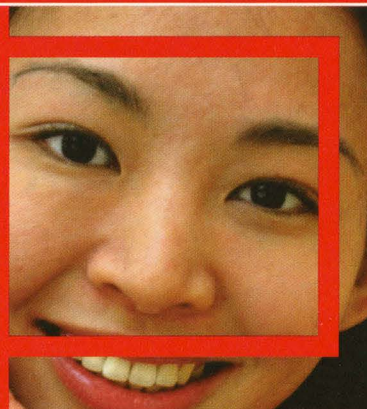
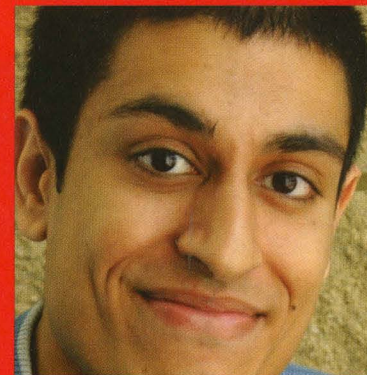
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905-688-5550, ext. 4293  
E-mail: [liaison@brocku.ca](mailto:liaison@brocku.ca)

**Brock University**  
500 Glenridge Avenue  
St. Catharines, ON  
L2S 3A1

# HUMANITIES

*“The quality of education, the genuine concern of the professors and the overall experience at Brock played a vital role in the success of our creative communications firm.”*

Hillary Caters, BA French  
 Jeff Hardy, BA Communications Studies  
 Caters Hardy Design Studios



The Faculty of Humanities offers a range of creative and scholarly programs, providing students with an understanding of both critical and cultural perspectives in their chosen field. Lisa Taylor, a fourth-year Visual Arts student, loves the intimate size of her program, and the individual attention she receives from her professors. This personal attention has enabled Lisa to consistently develop her skills and has provided her with the opportunity to display her work in several public and juried exhibitions. Her most recent exhibit was at Brock’s own Rodman Hall Arts Centre, Niagara’s main exhibition centre and one of Canada’s leading art museums.

www.brocku.ca

## APPLIED LANGUAGE STUDIES

**CO-OP**

- 3 yr BA
- 4 yr BA with a Major
- 4 yr BA Honours
- 4 yr BA Honours Co-op NEW
- Minor in Linguistics
- MEd with specialization in TESL
- Certificates:
  - Communication Disorders Assistant
  - Hearing Sciences
  - Speech and Language Sciences
  - TESL

Are you interested in how children acquire language, how the skills of second-language speakers develop, how various language disorders can be diagnosed and treated, or how the social or cultural environment interacts with language? Our graduates apply their knowledge in careers around the globe. You will gain a strong foundation in linguistics, plus, according to the stream you choose, hands-on fieldwork, clinical observation, teaching practice, and practical workshops to supplement your academic courses.

We offer you a choice of three streams: *Applied Linguistics*, for general linguistic analysis education; *Speech and Language Science* and *Hearing Science*, for careers in communication disorders, speech pathology and audiology; and *TESL*, for training in Teaching English as a Second Language, leading to TESL Ontario certification as an Adult ESL Instructor (see [www.teslontario.org](http://www.teslontario.org)). Courses in American Sign Language are also offered.

Students may apply to a new Co-op option beginning in the second year of the Applied Linguistics or TESL streams. The Co-op option will include two volunteer work placements in a language-rich environment. For more

information about Co-op at Brock, please see page 3.

### Career Opportunities

- linguist, translator
- speech-language pathologist
- audiologist
- clinical researcher
- ESL educator

## CANADIAN STUDIES

- 3 yr BA, Combined Major only
- 4 yr BA Honours, Combined Major only
- Minor in Canadian Studies

Are you fascinated by looking at “Canada” as both a nation and a concept? As a Canadian Studies major, you will enjoy the multiple perspectives — historical, geographic, economic, political, literary, and artistic. You can pursue Canadian Studies in combination with any other combined major offered at Brock, including areas as diverse as tourism, history, film, English and geography. In addition to regular classes, you will benefit from sponsored guest speakers, book launches and symposia. You will enjoy helping to run the annual interdisciplinary conference, called “Two Days of Canada.”

If your major is in another department, but you have an interest in Canadian Studies, you can choose Canadian Studies courses as your electives and work towards a **Minor in Canadian Studies**.

### Career Opportunities

- teacher
- communications manager
- public relations co-ordinator
- foreign service officer
- tourism program developer

## CLASSICS

- 3 yr BA
- 4 yr BA Honours
- Minor in Classics

At Brock, you will learn from our extensive collection of artifacts in the Brock Museum of Cypriote Antiquities. We also present special lectures featuring distinguished archaeologists reporting on recent discoveries around the world. Classics students have many opportunities to travel the globe themselves. In addition to summer archaeological field projects in the Mediterranean, the department has introduced a “Study Tour” in Mediterranean lands, focusing on arts and culture. Students in 2003 went to Rome where they took a tour of the “Eternal City.” One thing to keep in mind — if you are interested in pursuing archaeology at the graduate level, you will need to develop a proficiency in Greek and Latin.

You can choose to specialize in one of the following areas:

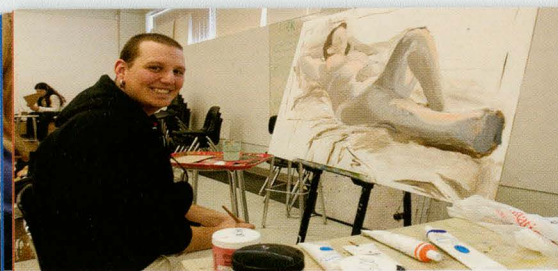
*Ancient Art and Archaeology* studies the archaeology and art history of ancient Mediterranean and Near East cultures (BA Honours only).

*Classical Studies* looks at Greek and Roman history, along with religion and literature-in-translation.

*Classical Languages* emphasizes proficiency in Greek and Latin and focuses on Greek and Roman literature.



Professor Susan Spearey, PhD, (English Language and Literature) is a recipient of the Faculty Award for Excellence in Teaching from the Faculty of Humanities. Her current research focuses on South African literatures of transition, from the apartheid periods to liberal democracy. In addition to her research, Professor Spearey has developed a CD ROM to accompany the texts she teaches in the classroom.



If your major is in another department, but you have an interest in Classics, you can choose Classics courses as your electives and work towards a **Minor in Classics**.

#### Career Opportunities

- archaeologist
- museum curator
- intermediate and secondary school teacher
- journalist
- tourism business owner
- librarian

## DRAMATIC ARTS

**CO-OP**

- 3 yr BA
- 4 yr BA with a Major
- 4 yr BA Honours
- 4 yr BA Honours Co-op
- 5 yr Concurrent BA Integrated Studies (Honours)/BEd (Grades 4 to 10, emphasizing elementary school)
- 5 yr Concurrent BA (Honours)/BEd (Grades 7-12)
- Concentration in Drama in Education and Society
- Certificate in Drama in Education
- Minor in Dramatic Arts

Brock's outstanding Department of Dramatic Arts is affiliated with our School of Fine and Performing Arts. Facilities include the Brock University Centre for the Arts Sean O'Sullivan Theatre, the Studio experimental stage, the Drama in Education studio, large rehearsal spaces, and scenery, property, and costume workrooms. Work with the very best in dramatic arts, including our resident theatre group, Theatre Beyond Words, and tailor make a program that is just right for you.

*Drama in Education and Society* combines courses in Drama in Education studies with theatre courses in performance and playwriting. This

option is based on groundbreaking ideas about how drama — activities such as thinking, feeling, creating and evaluating — can be used in the classroom to enhance the learning process. These ideas and skills have many other applications as well.

*Dramatic Literature* offers an interlocking series of courses to help you develop a critical awareness of drama both as text and as performance in its conventions, traditions and stage history.

*Theatre* at Brock offers students an opportunity to work with text as well as experimental forms of theatre. You will be exposed to a variety of acting opportunities as well as extensive production and technical experiences. Practical work opportunities range from teaching at children's theatre camps on campus, to formal Co-op placements.

**Co-op** programs allow you to combine academic and work terms which are typically completed in four to five years. For more information about Co-op at Brock, please see page 13.

You might also choose to select courses from the other programs found in the School of Fine and Performing Arts. They are Music (page 23), Studies in Arts and Culture (page 25) and Visual Arts (page 25).

**Concurrent education** is a limited enrolment program for students interested in teaching. For more information, see the Faculty of Education, page 14.

#### Career Opportunities

- actor
- theatre administrator
- drama therapist
- teacher
- playwright

## ENGLISH LANGUAGE AND LITERATURE

- 3 yr BA
- 4 yr BA Honours
- 4 yr BA Honours English Literature and Contemporary Culture
- 4 yr BA with a Major in English and Professional Writing
- 5 yr Concurrent BA (Honours)/BEd (Grades 7 to 12)
- 5 yr Concurrent BA Integrated Studies (Honours)/BEd (Grades 4 to 10, emphasizing elementary school)
- Minor in English Language and Literature
- Minor in Professional Writing
- Certificate in Professional Writing

Our program offers challenging academic study, combined with unique practical experience in critical thinking and writing. Courses explore the literature of Britain, the United States and Canada, as well as works written in English from all over the world. You will develop strong writing and analytical skills as well as leadership experience in small seminars. Our **Honours English** and **Honours English Literature and Contemporary Culture** programs offer superb preparation for BEd, LLB, Master of Library Science, MA/PhD in English Studies, high school teaching or work in communications and the media.

For valuable experience in publishing, work on the *Harpweaver*, our internationally recognized literary arts magazine, or volunteer with the *Brock Press*, one of the most extensive student newspapers published in Canada. Do you seek a career in writing, publishing or media relations? Our **English and Professional Writing** program offers broad, practical experience and preparation in managing, organizing and presenting written information.

**Concurrent education** is a limited enrolment program for students interested in teaching. For more information, see the Faculty of Education, page 14.

If your major is in another department, but you have an interest in English Language and Literature or Professional Writing, you can choose English Language and Literature or Professional Writing courses as your electives and work towards a **Minor** in those areas.

#### Career Opportunities

- teacher
- journalist
- public relations officer
- editor
- technical writer

## FRENCH

- 3 yr BA
- 4 yr BA Honours
- 5 yr Concurrent BA Integrated Studies (Honours)/BEd (Grades 4 to 10, emphasizing elementary school)
- 5 yr Concurrent BA (Honours)/BEd (Grades 7 to 12)
- Minor in French

Our superb French program offers courses in French language, translation and linguistics, as well as courses on literature from French-speaking countries around the world. Culture and civilization courses highlight the painting, architecture, music and historical events that appeared along with literary texts throughout the centuries in France. In addition, you can take courses on children's and women's literature in French. Our faculty boasts three professors who hold the title Chevalier dans l'Ordre des Palmes Académiques, France's highest academic distinction. We offer you a variety of opportunities to study in a French-speaking milieu, including short-term spring and summer courses in Quebec.

Our state-of-the-art Multimedia Language Learning Centre provides you with audiovisual, as well as Web- and computer-based opportunities for language learning. If you are interested in gaining practical work experience, our senior-year students have opportunities to work as language lab assistants. The French program is a part of our Department of Modern Languages, Literatures and Cultures.

**As a Concurrent BA French (Honours)/BEd** student, you may include a term of study in a French-speaking environment during the winter term of third year. Concurrent education is a limited enrolment program for students interested in teaching. For more information, see the Faculty of Education, page 14.

A **Minor in French** is available if you wish to obtain an overview of French while pursuing your degree in another subject area.

### James A. Gibson Library

The Library will play a key role in your life at Brock. Academic research at the University level is very different than what you are used to in high school, and often the transition can be overwhelming. Staff at the James A. Gibson Library will help you make that transition. Our Fall tours and workshops will help you to navigate your way through the seven floors of materials and the myriad of electronic resources the Library has to offer. Or, you can simply stop by the Reference Desk and ask for help any time. Whether you are looking for sources for your next paper, or just looking for a quiet place to study, the Library is here for you.

#### Career Opportunities

- French teacher
- translator
- civil service officer
- immigration officer
- business person

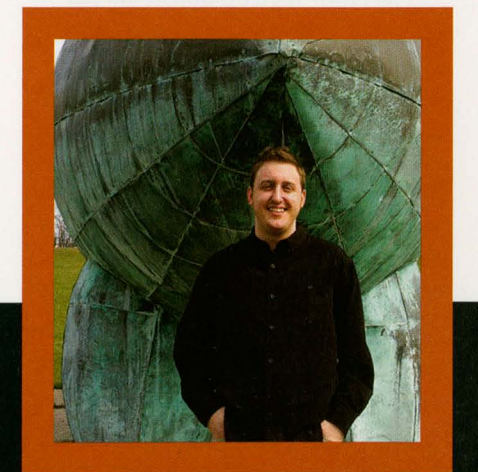
## GENERAL STUDIES

- 3 yr BA
- 3 yr BSc
- 4 yr BSc Honours

Our unique general liberal arts and science degrees enable you to pursue a more general pattern of studies than a single or combined major allows. The General Studies option gives you a broad exposure to a specific set of courses offered from across all the Faculties at Brock University: Applied Health Sciences, Business (limited course selection in Business), Education, Humanities, Mathematics and Science, and Social Sciences. Students in Niagara College's General Arts and Science Diploma program are eligible for admission and transfer credit to the BA General Studies program.

#### Career Opportunities

- human resource manager
- technical writer
- elementary teacher
- administrator
- mediator



As a second-year combined Classics/English Language and Literature major, Cameron Kroetsch is developing a program tailored to his own specific interests. His program, participation in the Brock University Archaeological Society, the Polish Students' Association, and *The Brock Press* campus newspaper, have all provided him with outstanding preparation for his goal of pursuing graduate studies in Comparative Literature.



## GERMAN

- Minor in German

A **Minor in German** is available if you wish to obtain an overview of German while pursuing your degree in another subject area. You can study German at Brock even if you have no prior German language experience. Courses, from beginner to advanced levels, focus foremost on the spoken language. You will also take courses in culture and civilization to acquire a broader understanding of the language. The German program is a part of our Department of Modern Languages, Literatures and Cultures.

### Career Opportunities

- international business person
- lawyer
- politician
- tourism co-ordinator
- airline employee

## GREAT BOOKS/ LIBERAL STUDIES

- 3 yr BA, Combined Major only
- 4 yr BA Honours, Combined Major only
- 4 yr BSc Honours, Combined Major only
- Minor in Great Books/Liberal Studies
- Certificate in Great Books/Liberal Studies

The Great Books seminars are the heart of our program. You will read and discuss many of the great works of imagination and reason that have shaped and still shape our existence. We pursue the questions posed by those works, in an effort to uncover the often hidden assumptions that have made our society and us what we are today. We also explore non-textual ways (such as visual

arts and music) to express these ideas and explore these questions. A series of field trips to plays, operas and other artistic and musical events, enhance your learning experience. We offer BA programs in combination with Business and with Social Sciences and Humanities disciplines (such as English, History, Music, and Political Science), and BSc programs in combination with Science disciplines (such as Physics).

A **Minor in Great Books/Liberal Studies** is available if you pursue a single major in another discipline but want an overview of Great Books/Liberal Studies.

### Career Opportunities

- teacher
- lawyer
- librarian
- public policy adviser
- journalist

## HISTORY

- 3 yr BA
- 4 yr BA Honours
- 5 yr Concurrent BA Integrated Studies (Honours)/BEd (Grades 4 to 10, emphasizing elementary school)
- 5 yr Concurrent BA (Honours)/BEd (Grades 7 to 12)
- Minor in History

Are you interested in learning to analyse past situations and events, with a critical eye and a sense of skepticism, in order to interpret the forces at work and the myths and misconceptions of our own time? Historians work to understand both where society has been and where it is headed. Brock provides you with an excellent academic environment for the study of history. Our courses are structured around small seminar groups and we also offer a third-year directed research course where you will choose your topic and work

one-on-one with your professor. We invite you to join our very active History Club. We recommend you take advantage of our international exchange programs — for example, a number of our history students have worked on their third-year courses at Keele University in England.

A **Minor in History** is available if you wish to obtain an overview of history while pursuing your degree in another subject area.

**Concurrent education** is a limited enrolment program for students interested in teaching. For more information, see the Faculty of Education, page 14.

### Career Opportunities

- teacher
- lawyer
- museum curator/historian
- public relations officer
- diplomat

## INTEGRATED STUDIES

- 3 yr BA
- 4 yr BA Honours
- 4 yr BA Honours in Canadian and European Union Studies
- 3 yr BSc
- 4 yr BSc Honours
- 4 yr Concurrent BSc (Pass)/BEd (Grades 4 to 10, emphasizing elementary school)
- 5 yr Concurrent BA (Honours)/BEd (Grades 4 to 10, emphasizing elementary school)
- 5 yr Concurrent BSc (Honours)/BEd (Grades 4 to 10, emphasizing elementary school)

Do you have special interests that don't fit as a defined major, combined major or General Studies major in our other programs? If so, tailor a program

to fit your academic interests through Brock's Integrated Studies program. You can consult with the appropriate Dean (Humanities, Social Sciences, or Mathematics and Science) to design and receive approval for your Integrated Studies program. Students are encouraged to participate in a university summer program offered in Quebec or France, or to study at the University of Freiburg, Germany for their third year.

**Concurrent education** is a limited enrolment program for students interested in teaching. For more information, see the Faculty of Education, page 14.

## INTERNATIONAL STUDIES

- Minor in International Studies

In addition to your degree and major, you can earn a Minor in International Studies by taking the required courses as part of your program. The **Minor in International Studies** will enrich your major field of study, whether it is Political Science, History, Linguistics, Tourism, Sport Management, or any one of a host of others. This interdisciplinary minor will show you how a variety of disciplines can help explain the inter-relationships among nations and cultures. You will become aware of the diversity and the unifying themes that create the international world we live in today. If you wish, you will have an opportunity to do part of your studies abroad, taking advantage of the many exchange programs available through our Office of International Services, or you may participate in our Internship option, offered right here in Ontario.

### Career Opportunities

- international lawyer
- government civil servant/diplomat
- international private school teacher
- international business person
- international tourism operator

## ITALIAN

- 3 yr BA
- 4 yr BA Honours, Combined Major only
- Minor in Italian

The aim of Italian studies at Brock is to help you develop written and spoken competence in the language and to introduce you to the rich and vast world of Italian culture. The program includes a variety of language courses, from beginner to advanced, as well as courses in Italian literature, culture, cinema and language teaching. We also provide you with a Summer Studies Program in Italy for both majors and non-majors. Our language facilities at Brock are excellent, including a state-of-the-art Multimedia Language Learning Centre. For practical work experience in your senior years, you may be eligible to work as a University language lab assistant, or as a teacher or assistant in Italian language classes for children offered through the local school board (International Languages Program).

The Italian program is part of our Department of Modern Languages, Literatures and Cultures.

A **Minor in Italian** is available if you wish to obtain an overview of Italian while pursuing your degree in another subject area.

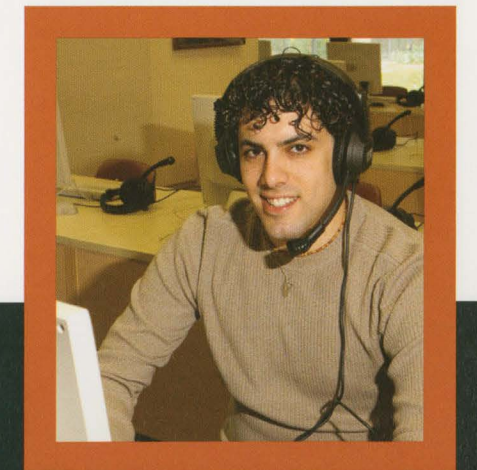
### Career Opportunities

- language teacher
- translator
- government civil servant
- immigration officer

## MUSIC

- 3 yr BA
- 4 yr BA Honours
- 4 yr BA with a Major
- 4 yr BMus Honours
- 5 yr Concurrent BA Integrated Studies (Honours)/BEd (Grades 4 to 10, emphasizing elementary school)
- Minor in Music

Our Music department offers you superb performance and academic instruction. Facilities include a concert hall, practice rooms, midi workstations, as well as substantial sound, video, music score and literature library collections. In addition to your courses in music history, theory, general musicianship and performance, you will pursue your individual interests in solo or chamber music performance, composition and arranging, conducting, music software or music education. Your studies will be enhanced by numerous special events, including a concert series, guest lectures, master classes and workshops by distinguished theorists, composers, musicologists and performers.



Fourth-year concurrent Bachelor of French/Bachelor of Education student Jordan Mizrahi has been sure to take advantage of all that Brock has to offer. In his third year, Jordan took part in an International Exchange at the University of Perpignan in France. Back at Brock, Jordan's work as a Teaching Assistant in a state-of-the-art language lab has provided him with a step ahead as he plans to pursue a career in teaching.



The program offers individual and group instruction in all of the following: piano, harpsichord, organ, voice, classical guitar or any approved concert band and orchestral instrument.

Applicants complete aural, keyboard and theory placement tests, as well as a scheduled interview. Students applying to the Bachelor of Music program, or taking lessons, will also be required to audition.

You might also choose to select courses from the other programs found in the School of Fine and Performing Arts. They are Dramatic Arts (page 20), Visual Arts (page 25), and Studies in Arts and Culture (page 25).

**Concurrent education** is a limited enrolment program for students interested in teaching. For more information, see the Faculty of Education, page 14.

#### Career Opportunities

- performer
- teacher
- composer/arranger
- musician
- conductor

#### Minors

Do you have more than one key interest? At Brock, you may enhance your degree program with a wide variety of Minor options. A Minor offers a second area of concentration to your academics, and may complement your major area of study. Minors are available in many disciplines, including several new additions for this year. Please refer to the program descriptions for available options.

### PHILOSOPHY

- 3 yr BA
- 4 yr BA Honours
- Minor in Philosophy
- Minor in Professional Ethics
- MA

We have one of the best comparative philosophy programs in Canada or the United States. A team of assessors described our program as a “national resource.” Your studies will include several major areas. The history of Western philosophy covers the primary texts from the Greek, medieval and modern periods. Contemporary continental philosophy includes existentialism, phenomenology and postmodernism. You will also study Eastern philosophies, especially Indian and Chinese traditions — an unusual, extra feature of Brock’s Philosophy BA, that makes it unique in North America.

At Brock, you will bring the perspectives of both Western and Eastern philosophies to bear on religious, psychological, sociological and artistic issues. You will engage in stimulating discussion with graduates and community members in the Brock Philosophical Society. You will learn to be a critical, affirmative, wise and knowledgeable decision-maker, well trained for many vocations.

A **Minor in Philosophy** and a **Minor in Professional Ethics** are available if you wish to obtain an overview of philosophy while pursuing your degree in another subject area.

#### Career Opportunities

- lawyer
- journalist
- writer and editor
- teacher
- public relations adviser

### SPANISH

- 3 yr BA
- 4 yr BA Honours
- Minor in Spanish

You will enjoy our thorough coverage of courses in Spanish language, translation and linguistics as well as literature and culture of Spain and Latin America. Students have the opportunity of spending their third year of Spanish studies (or combined with other disciplines) at the Instituto Tecnológico y de Estudios Superiores de Monterrey, or the Universidad Regiomontana in Mexico.

In addition, the Spanish and History departments offer a four-week Spring Study Program in a Spanish-speaking country (Latin America or Spain). International Exchange Bursaries are available for study abroad programs. You may complete an Honours degree in Spanish or combine it with another subject. Our senior-year students have the opportunity to work as language lab monitors and research assistants.

Students from our program continue on to graduate studies or pursue careers with an international scope. The Spanish program is a part of our Department of Modern Languages, Literatures and Cultures.

A **Minor in Spanish** is available if you wish to obtain an overview of Spanish while pursuing your degree in another subject area.

#### Career Opportunities

- spanish teacher
- translator
- government trade policy (NAFTA) analyst
- immigration officer
- travel consultant, Central and Latin America

### STUDIES IN ARTS AND CULTURE

- 3 yr BA
- 4 yr BA Honours
- Minor in Studies in Arts and Culture

Studies in Arts and Culture is a program of interdisciplinary courses designed to provide critical and practical insight into the world of arts and culture from a variety of perspectives. You will select courses from within Visual Arts, Dramatic Arts, Music, Dance, Communications Studies, Film Studies and/or Canadian Studies to create a more personalized approach to critical/cultural studies. Students are required to discuss their program with the Director of the Centre for Studies in Arts and Culture in order to provide the best possible selection and to ensure compliance with University regulations.

A **Minor in Studies in Arts and Culture** is available if you wish to obtain an overview of Studies in Arts and Culture while pursuing your degree in another subject area.

You might also choose to select courses from the other programs found in the School of Fine and Performing Arts. They are Dramatic Arts (page 20), Visual Arts (page 25), and Music (page 23).

#### Career Opportunities

- arts administrator
- critic
- educator
- curator
- editor

### VISUAL ARTS

- 3 yr BA
- 4 yr BA Honours
- 5 yr Concurrent BA Integrated Studies (Honours)/BEd (Grades 4 to 10, emphasizing elementary school)
- 5 yr Concurrent BA (Honours)/BEd (Grades 7 to 12)
- Minor in Art History
- Concentration in Curatorial Studies

Our Department of Visual Arts offers superb studio and art history courses to give you a practical and critical understanding of the visual arts. We focus on your artistic development, introducing you to a range of historical, theoretical and critical approaches to art-making and cultural documents. Studio courses in foundation, drawing, painting and interdisciplinary studio, as well as additional courses in sculpture, photography and computer imaging, broaden your experience as an artist.

You might also choose to select courses from the other programs found in the School of Fine and Performing Arts. They are Dramatic Arts (page 20), Music (page 23), and Studies in Arts and Culture (page 25).

With a **Minor in Art History** and a **Concentration in Curatorial Studies**, students can explore the cultural, theoretical or practical methods involving the origin, interpretation, or exhibition of works of art.

**Concurrent education** is a limited enrolment program for students interested in teaching. For more information, see the Faculty of Education, page 14.

#### Career Opportunities

- art therapist
- artist
- photographer
- graphic designer
- curator

## Rodman Hall Arts Brock Centre University

In the fall of 2003, Brock University assumed ownership of Rodman Hall Arts Centre in St. Catharines, including the Walker Botanical Gardens and the Centre’s permanent art collection.

Brock’s aim is to ensure that the St. Catharines landmark flourishes as a major arts and cultural centre.



Lauren Wry has been a very active student throughout her time at Brock, participating in various aspects of residence life, the Brock Tour Program, and as a member of the Brock University Student Administrative Council, representing all Humanities students. Now graduating from her four-year Honours degree in History, Lauren plans to explore further her interests in historical sites and travel and tourism.

# MATHEMATICS AND SCIENCE

*"I truly appreciated the personal attention I received in all of my classes at Brock. I wasn't a number in the crowd and was able to develop relationships with both professors and fellow students."*

Carilynne Yarascavitch, Bachelor of Science in Biological Sciences  
Dentist, Doctor of Dental Surgery, University of Toronto



The Faculty of Mathematics and Science has an outstanding reputation for teaching and research. PhD student Patrick Boyle was first attracted to Brock through the Science Mentorship Program, a program designed to expose high school students to opportunities available in the sciences. Throughout his undergraduate and graduate studies, he has taken part in several exciting and rewarding research projects in the field of Biotechnology. Patrick is also a keen athlete, competing in Varsity Men's Rugby where he has been named to the league All-Star team on several occasions.

www.brocku.ca

## BIOCHEMISTRY

CO-OP

- 3 yr BSc
- 4 yr BSc Honours
- 5 yr BSc Honours Co-op

A major advantage to studying Biochemistry at Brock is that our teaching and research labs are combined. This means you will apply current techniques and technology to biochemical problems using the same state-of-the-art equipment that our professors use for their research. Your program will begin with a set of core chemistry, cell biology and molecular biology courses. In your third and fourth years, you may emphasize either biology or chemistry courses. You can choose from a wide selection of courses that include studies in metabolism and energy flow, proteins and enzyme action, macromolecular structures, information flow and molecular genetics, and bio-organic and biophysical chemistry.

If you plan to pursue a career in a health profession, you may wish to team up this degree with our one-of-a-kind MED *Plus* program. See pages 3 and 44 for more details about MED *Plus*.

Co-op programs allow you to combine academic and work terms which are typically completed in four to five years. For more information about Co-op at Brock, please see page 3.

### Career Opportunities

- medicine
- dentistry
- pharmaceutical sales and research
- research scientist
- education

## BIOLOGICAL SCIENCES

- 3 yr BSc
- 4 yr BSc Honours
- 4 yr Concurrent BSc Integrated Studies (Honours)/BEd (Grades 4 to 10, emphasizing elementary school)
- 5 yr Concurrent BSc Integrated Studies (Honours)/BEd (Grades 4 to 10, emphasizing elementary school)
- 5 yr Concurrent BSc (Honours)/BEd (Grades 7 to 12)
- Minor in Biological Sciences
- MSc
- PhD

As a Biological Sciences student, you will share in the success of a program that is ranked highly among undergraduate Canadian universities in medical and science research grants.

You will have access to superbly equipped modern labs and the teaching and research knowledge of professors who have received provincial and national acclaim for their work. Lectures, laboratories, and field studies introduce you to the breadth of Biological Sciences in the first two years after which you can design your program from a large selection of courses in areas such as biochemistry, cell biology, developmental biology, animal, plant and microbial physiology, genetics, molecular biology, neurobiology, ecology, animal behaviour, and histology.

If you plan to pursue a career in a health profession, you may wish to team up this degree with our one-of-a-kind MED *Plus* program. See pages 3 and 44 for more details about MED *Plus*.

Concurrent education is a limited enrolment program for students interested in teaching. For more information, see the Faculty of Education, page 14.

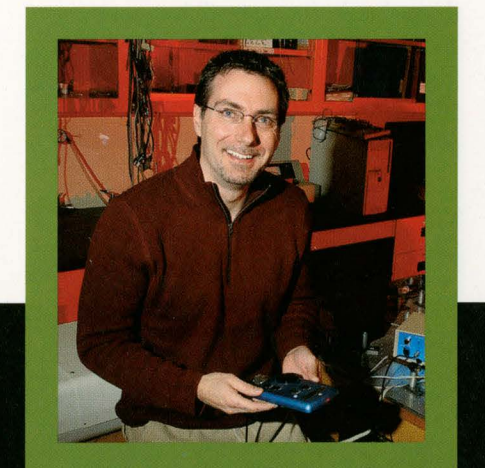
### Career Opportunities

- medicine, dentistry
- veterinary medicine
- chiropractic practice
- teaching scientist
- research scientist

## BIOMEDICAL SCIENCES

- 4 yr BSc Honours

This exciting new program is intended for students interested in a career in medicine or biomedical research. The program is being offered jointly by the Departments of Biological Sciences and Community Health Sciences and is focused on the molecular basis of human health. It draws on the expertise of the Department of Community Health Sciences in the medical aspects of human health and the Department of Biological Sciences in the theory, methods and applications of molecular genetics. You will be exposed to topics in subjects such as human physiology, anatomy, pharmacology, microbiology, biochemistry, and genetics. Students will receive excellent preparation for biomedical research careers in emerging areas such as human genetics and molecular biology.



Professor Doug Bruce, PhD, (Biological Sciences) works in the classroom teaching Introductory Biology, Plant Physiology and Biophysical Techniques. In the lab, his major research focus is related to the biophysics of photosynthetic light conversion in plants. In recognition of his innovative work, Professor Bruce has received numerous awards including the 2003 Award for Distinguished Research and Creative Activity.





If you plan to pursue a career in the health profession, you may wish to team up this degree with our one-of-a-kind MED *Plus* program. For more information on MED *Plus* see pages 3 and 44.

#### Career Opportunities

- medicine and allied health professions
- medical research
- teaching
- forensic research
- pharmaceutical industry

## BIOTECHNOLOGY

CO-OP

- 3 yr BSc
- 4 yr BSc Honours
- 5 yr BSc Honours Co-op
- MSc
- PhD

As a Biotechnology graduate, you will be on the forefront of research in this exciting and knowledge-based industry. You will take courses in biological sciences, chemistry, biochemistry, and biotechnology to explore the use of living organisms to produce goods and services for practical and industrial purposes. Career opportunities in biotechnology are expanding rapidly due to a dramatic increase in global market demands for biotechnology products. Biotechnology has been around us for years, for example, in the fermentation of wine and beer, and the making of bread and cheese. As a modern biotechnologist, you will learn new applications using new scientific tools, including recombinant DNA technology, genetic and protein engineering, cell fusion, gene cloning, and expression.

Co-op programs allow you to combine academic and work terms which are typically completed in four to five years. For more information about Co-op at Brock, please see page 3.

#### Career Opportunities

- medicine
- veterinary medicine
- teaching at all levels
- patent lawyer
- pharmacology/pharmacy
- research

## CHEMISTRY

CO-OP

- 3 yr BSc
- 4 yr BSc with a Major
- 4 yr BSc Honours
- 4 1/2 yr BSc Honours Co-op
- 4 yr Concurrent BSc Integrated Studies (Honours)/BEd (Grades 4 to 10, emphasizing elementary school)
- 5 yr Concurrent BSc Integrated Studies (Honours)/BEd (Grades 4 to 10, emphasizing elementary school)
- 5 yr Concurrent BSc (Honours)/BEd (Grades 7 to 12)
- Minor in Chemistry
- MSc

We have some of the most advanced equipment in the field and we actually let you use it! While other schools often reserve the newest equipment for research only, at Brock, all facilities are used for both teaching and research. Our commitment to hands-on learning makes our graduates especially skilled and adept scientists. Our Chemistry students have been accepted into the best graduate schools in North America; in fact, graduates report that they are better prepared than many of their

fellow students in their graduate programs.

Our graduates are highly sought after — currently Brock graduates are developing new drugs at Dupont-Merck, NovaPharm, Salk Institute of Biotechnology, Parke-Davis, Johnson and Johnson; and are working on chemical research at Enbridge-Consumers Gas, Custom Pharmaceutical, Symyx Technologies, the Ontario Ministry of the Environment and many more.

Undergraduates such as you are key partners in our research activities, participating in special research courses and paid summer research. Who knows? You might co-author a publication!

If your focus is on the environment, the **BSc Honours in Chemistry-Environmental Stream** will be of interest.

Co-op programs allow you to combine academic and work terms which are typically completed in four to five years. For more information about Co-op at Brock, please see page 3.

Graduates of the Chemical Engineering Technology program at Mohawk College may be eligible to receive 6.5 credits towards a BSc Honours in Chemistry at Brock.

Concurrent education is a limited enrolment program for students interested in teaching. For more information, see the Faculty of Education, page 14.

#### Career Opportunities

- chemical industry
- chemical patent lawyer
- pharmaceutical researcher
- forensic technician
- teacher (Grades 4 to 12)
- environmental researcher
- physician, dentist
- computer modeler

## COMPUTER SCIENCE

CO-OP

- 3 yr BSc
- 4 yr BSc with a Major
- 4 yr BSc Honours: Software Engineering or Intelligent Systems
- 4 1/2 yr BSc Honours Co-op
- 5 yr Concurrent BSc (Honours)/BEd (Grades 7 to 12)
- 8-, 12-, 16-month paid Internships
- BSc or BSc Honours, after a previous degree

We've invested in new equipment to ensure that you will be working with the latest state-of-the-art technology. We'll prepare you for a career in Information Technology (IT), an industry that is transforming our world and workplaces. You will study data structures, operating systems, database systems, industry-standard programming languages, software engineering and user interfaces.

You can take specialized courses in object-orientation, computer graphics, intelligent systems, computer networks, advanced Internet, expert systems, robotics, parallel computing and compiler construction. The BSc Honours program offers two concentrations:

*Software Engineering* focuses on programming and systems analysis for application development.

*Intelligent Systems* focuses on research into making computers behave like humans.

For a hardware option, check out **Computing and Solid-State Device Technology** (see page 30).

The **Co-op** and **Internship** options let you combine paid work with your degree and give you valuable hands-on experience in the IT industry. Internship students apply for eight-, 12-, or 16-month work terms (70 per cent major

average required.)

Co-op programs allow you to combine academic and work terms which are typically completed in four to five years. For more information about Co-op at Brock, please see page 3.

Concurrent education is a limited enrolment program for students interested in teaching. For more information, see the Faculty of Education, page 14.

#### Career Opportunities

- programmer or systems analyst
- network administrator
- computer graphics designer
- IT project manager or corporate trainer
- Web designer/Internet specialist

## COMPUTING AND BUSINESS

CO-OP

- 4 yr BCB Honours
- 4 1/2 yr BCB Honours Co-op
- 8-, 12-, 16-month paid Internship

Our program provides a unique foundation in business practices for computing professionals. The program begins with the core courses in computer programming, basic data structures and computer organization, augmented by courses in accounting, management and economics. In upper years, your studies will include databases, advanced data structures, operating systems, computing ethics, entrepreneurship, finance, marketing and organizational behaviour, as well as software engineering.

In the Internship BCB option, you combine paid work with your degree to get valuable hands-on experience in business and information technology.

Internship students apply for eight-, 12-, or 16-month work terms (75 per cent major average required.)

Co-op programs allow you to combine academic and work terms which are typically completed in four to five years. For more information about Co-op at Brock, please see page 3.

#### Career Opportunities

- IT entrepreneur systems/analyst
- IT project manager
- information systems manager
- IT marketing manager/sales
- Web strategist

### Superb computer science facilities

- 4 labs reserved for Computer Science students
- Labs connected to campus-wide 1 gigabit network with 200 Mbps internet connection
- Windows, UNIX/IRIX and LINUX
- Wireless connection, laptop storage and recharging
- High-speed UNIX servers
- High-speed parallel systems
- Microsoft Consortium (most Microsoft software available for student home use)
- Java, Oracle, CASE tools, UML, graphics and animation software



Third-year Computer Science student Ilario Corna came from Switzerland and chose Brock because of the exceptional programs offered in Computing. In addition to his core studies, Ilario has worked as a Communications Assistant in Career Services, as well as a Research and Teaching Assistant. He feels that these opportunities have prepared him exceptionally well for entering the workforce.



## COMPUTING AND MATHEMATICS

- 4 1/2 year BSc Honours **CO-OP** Co-op

This exciting program will allow you to combine your interests in mathematics and computer science, as well as provide you with unique work experience opportunities. The four-and-a-half year program combines the strengths of our Computer Science program with our MICA program (Mathematics Integrated with Computers and Applications is a cutting-edge program that shows you how to apply what you learn using technology).

**Co-op** programs allow you to combine academic and work terms which are typically completed in four to five years. For more information about Co-op at Brock, please see page 3.

### Career Opportunities

- research consultant
- computer graphics designer
- Web designer/Internet specialist
- mathematics teacher
- applied mathematician

## COMPUTING AND NETWORK COMMUNICATIONS

- New
- 4 1/2 yr BSc Honours **CO-OP** Co-op

The Department of Computer Science at Brock University and the School of Applied Computing and Engineering Sciences at Sheridan College have developed a program by which students interested in pursuing a career in Information Technology can complete a four-year university degree at Brock in Computing and Network Communications along with an Ontario three-year diploma in Telecommunications Technology from Sheridan College.

This program caters to the increasing demand in the Information Technology industry for professionals who have a solid foundation in software development as well as practical technical skills in system security, telecommunications, network analysis and administration. Normally, this involves attending college after gaining a university degree, but the Brock and Sheridan program combines the two in a single integrated package.

This program is **Co-op** only. Co-op programs allow you to combine academic and work terms which are typically completed in four to five years. For more information about Co-op at Brock, please see page 3.

### Career Opportunities

- information systems manager
- programmer/application developer
- communications systems analyst
- network architect
- network security officer

## COMPUTING AND SOLID-STATE DEVICE TECHNOLOGY

- 4 yr BSc Honours **CO-OP**
- 4 1/2 yr BSc Honours Co-op

This degree prepares you for an exciting career in computer technology by tackling computing from the hardware perspective. If you like math and physics, love to tinker, and have an urge to take apart your PC to figure out how it works, this cutting-edge program is right for you! The program emphasizes practical aspects of computing and the use of computer-based and other solid-state electronic devices in control, manufacturing and research. You will acquire the skills needed to meet real-world challenges of new technologies in our world and workplaces. We'll make sure you have a head start on your career by building in first-hand experience with the opportunity to participate in a summer internship work placement, or the Co-op option.

**Co-op** programs allow you to combine academic and work terms which are typically completed in four to five years. For more information about Co-op at Brock, please see page 3.

### Career Opportunities

- IT hardware engineer
- automation of manufacturing processes
- IT systems operations analyst
- VoIP (Voice-Over Internet Specialist)

## EARTH SCIENCES

- 3 yr BSc **CO-OP**
- 4 yr BSc with a Major
- 4 yr BSc Honours
- 5 yr BSc Honours Co-op NEW
- 4 yr Concurrent BSc Integrated Studies (Honours)/BEd (Grades 4 to 10, emphasizing elementary school)
- 5 yr Concurrent BSc Integrated Studies (Honours)/BEd (Grades 4 to 10, emphasizing elementary school)
- Minor in Earth Sciences
- MSc

Brock offers one of the strongest traditional Earth Sciences/Geology degree programs in the Toronto and Golden Horseshoe area of Ontario. We offer Honours and Major programs in Earth Sciences and Environmental Geoscience (for more information, see Environmental Geoscience, page 32). Geoscientists study the planet Earth, from the time of its formation to the present day, and attempt to predict its continued evolution. Geoscientists work to solve a diverse range of problems related to pollution, groundwater management, waste disposal, global change, volcanic and earthquake hazards, and exploration and utilization of natural resources such as oil, gas, minerals and aggregates. Field trips are an integral component of this program. At Brock, you will have the opportunity to work with faculty on local, national and international research projects.

Our new **Co-op in Earth Sciences** will allow you to gain valuable work experience by combining academic and work terms over 4 1/2 years. For more information about Co-op at Brock, please see page 3.

In Ontario and throughout Canada, a licence is required to practice as a

Professional Geoscientist (P.Geo.). Brock's Earth Sciences Honours and Major degree programs are designed to comply with the education requirements for your initial licensing as a Geoscientist-in-Training, the licensing classification that leads to the P.Geo. designation established by the Association of Professional Geoscientist of Ontario.

A **Minor in Earth Sciences** is available if you wish to obtain an overview of Earth Sciences while pursuing your degree in another subject area.

**Concurrent education** is a limited enrolment program for students interested in teaching. For more information, see the Faculty of Education, page 14.

### Career Opportunities

- professional geoscientist (P.Geo. designation)
- minerals exploration geologist
- mining geologist
- petroleum geologist
- paleontologist

## ENVIRONMENT

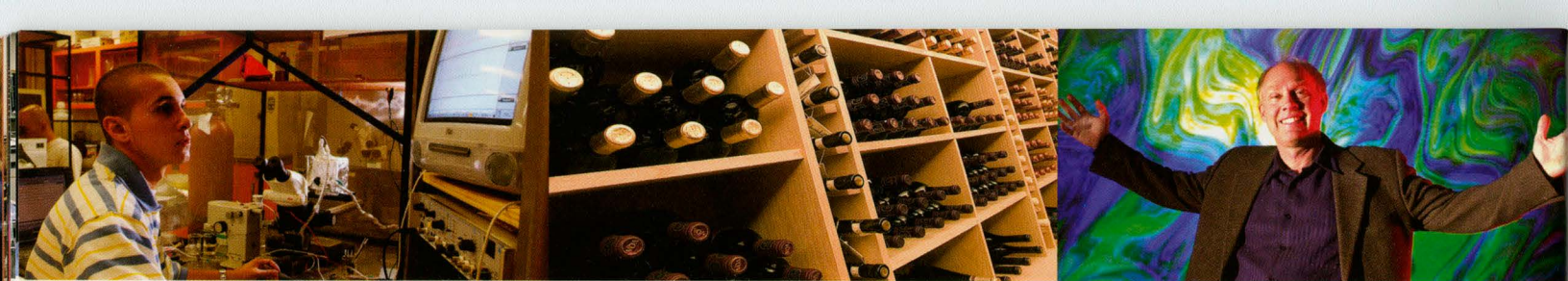
- 4 1/2 yr BSc Honours **CO-OP** Applied Environmental Science and Technology Co-op
- 3 yr BA
- 4 yr BA Honours
- 3 yr BSc
- 4 yr BSc Honours
- 5 yr Concurrent BSc Integrated Studies (Honours)/BEd (Grades 4 to 10, emphasizing elementary school)
- Minor in Environmental Studies
- Certificate in Environment

Examine the issues, understand the choices and have an opportunity to make a difference in your world. Brock's Centre for the Environment oversees several environmental programs in conjunction with other departments. You will draw upon the knowledge base and practical techniques of a wide range of disciplines in the natural sciences, social sciences and humanities. Your program will take you from the classroom to the field to analyse and address environmental issues that impact communities around the world.

In our **Co-op in Applied Environmental Science and Technology**, you will take courses in biology, biotechnology and environment, and also complete three Co-op work terms. You will graduate with an Honours BSc from Brock and a post-graduate certificate from Niagara College in



Rebecca Menzies is in her fourth year of a combined major program in Biological Sciences/Physics. Upon entering Brock, Rebecca was awarded a \$10,000 Brock Scholars Award for her academic achievement. Most recently, Rebecca was awarded the Lubrizol Canada Limited Scholarship for outstanding work in Physics, and a 2003 summer studentship award to conduct lab work in the area of developmental biology.



Ecosystem Restoration. For more information about Co-op at Brock, please see page 3.

The **BA and BSc in Environment** bring together studies in environmental economics, environmental policy and environmental sciences. You will gain insights into the areas of expertise that are needed to respond to environmental challenges. In the **BA program**, you will have the opportunity to specialize in geography, political science or sociology.

In the **BSc program**, you can specialize in biology, chemistry, or geography.

The professors at Brock have extensive practical experience, from award-winning research projects, to consulting roles with Environment Canada, Fisheries and Oceans Canada, the Niagara Region, the Ontario Ministry of Natural Resources and Pollution Probe.

If your major is in another department, but you have an interest in environmental issues, you can choose Environment courses as your electives and work towards a **Minor in Environment**.

**Concurrent education** is a limited enrolment program for students interested in teaching. For more information, see the Faculty of Education, page 14.

#### Career Opportunities

- environment consultant and benefit cost-analyst
- energy analyst
- municipal or government planner
- conservationist waste management controller

## ENVIRONMENTAL GEOSCIENCE

**CO-OP**

- 3 yr BSc
- 4 yr BSc with a Major
- 4 yr BSc Honours
- 5 yr BSc Honours Co-op **NEW**

Environmental Geoscientists apply their unique understanding of the Earth's composition, structure, and physical processes to protect the environment and predict geologic and hydrologic hazards. Using studies that balance field-work, laboratory analyses, and theoretical studies of interactions between air, water, and earth materials, they seek to advance our fundamental understanding of Earth processes and systems, and apply this understanding to society's needs and problems.

The Niagara Peninsula and a large part of Ontario lie within the watershed of the Great Lakes, the Earth's largest freshwater ecosystem. Studies have found over 360 toxic chemicals in the Great Lakes ecosystem, which are destructive to aquatic ecosystems and potentially dangerous to human health. New geoscientists, trained in the environmental disciplines, will be required to meet environmental and resource management challenges. Current trends suggest that in North America, employment in the environmental geoscience disciplines will grow faster than the average for all occupations through 2010.

All four degree programs examine the interrelationships between earth materials, the atmosphere, hydrosphere, and biosphere, and the impact of human activities upon them from a physical science viewpoint. A key element of these programs is their emphasis on training in both laboratory and field techniques and interpretive methods; all essential for graduates to compete

effectively for both government and private sector positions in the environmental disciplines. The **Honours program** also provides the preparation for graduate study in specializations such as hydrology, environmental geochemistry, and groundwater geology.

Our new **Co-op in Environmental Geosciences** will allow you to gain valuable work experience by combining academic and work terms over 4 1/2 years. For more information about Co-op at Brock, please see page 3.

In Ontario and throughout Canada, a licence is required to practice as a Professional Geoscientist. Brock's Environmental Geoscience Honours and major degree programs are designed to comply with the educational requirements for your initial licensing as a Geoscientist-in-training, the licensing classification that leads to the P.Geo. designation established by the Association of Professional Geoscientists of Ontario.

#### Career Opportunities

- hydrologist (P.Geo.)
- groundwater geologist (P.Geo.)
- environmental geoscientist (P.Geo.)
- environmental officer (P.Geo.)
- environmental regulator (P.Geo.)
- conservation officer/park warden

## GEOGRAPHY

- 3 yr BA
- 4 yr BA Honours in Human Geography
- 4 yr BA Honours in Geography with Concentration in GIS
- 3 yr BSc
- 4 yr BSc Honours in Physical Geography
- 4 yr BSc Honours in Geography with Concentration in GIS
- 5 yr Concurrent BA Integrated Studies (Honours)/BEd, BSc Integrated Studies (Honours)/BEd (Grades 4 to 10, emphasizing elementary school)
- 5 yr Concurrent BA (Honours)/BEd, BSc (Honours)/BEd (Grades 7 to 12)
- Minor in Geography

Geographers study the locations of human and physical aspects of natural and human environments, to determine how, when, where and why they originated, developed and evolved. Our program combines classroom, laboratory and fieldwork experience in:

*Human Geography:* An understanding of the human world and its interaction with the physical, urban, social, economic, cultural and symbolic aspects of human behaviour and environments.

*Physical Geography:* The study of the Earth's surface features and processes, explaining geographic patterns of landforms, sediments, soils, vegetation, water and climate by investigating and understanding the processes operating at the surface of the earth, and how they interact, affect and complement human activities and environments.

*Geographic Information Systems (GIS):* A growing field that includes technical studies in cartography, remote sensing and surveying. Our Concentration in GIS is now being offered in

collaboration with Niagara College. You can graduate in four years with an Honours degree in Geography and a postgraduate diploma in GIS.

**Concurrent education** is a limited enrolment program for students interested in teaching. For more information, see the Faculty of Education, page 14.

If your major is in another department, but you have an interest in Geography, you can choose Geography courses as your electives and work towards a **Minor in Geography**.

#### Career Opportunities

- land surveyor
- city planner
- climatologist
- teacher
- cartographer

## MATHEMATICS

- 3 yr BSc
- MICA 4 yr BSc Honours
- 4 yr Concurrent BSc Integrated Studies/BEd (Grades 4 to 10, emphasizing elementary school)
- 4 1/2 yr BSc Honours (with Computer Science) Co-op
- 5 yr Concurrent BSc Integrated Studies (Honours)/BEd (Grades 4 to 10, emphasizing elementary school)
- 5 yr Concurrent BSc (Honours)/BEd (Grades 7 to 12)
- Concentrations: Pure Mathematics, Statistics
- Minor in Mathematics
- Certificate in Statistics

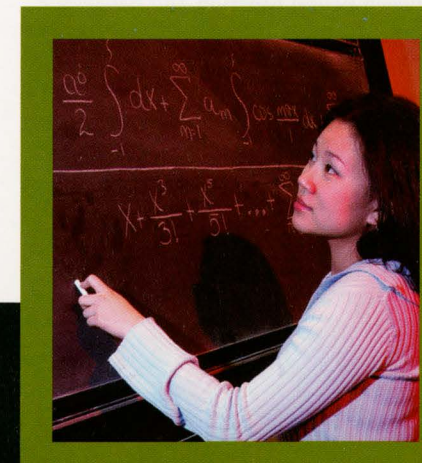
Are you looking for an exciting mathematics program that makes full use of computers and information technology? Are you looking for a program in mathematics education that

puts you in real classrooms from the second year on? Then have a look at our MICA (Mathematics Integrated with Computers and Applications) program or consider our Concurrent education programs. MICA is a unique cutting-edge program that gives you a solid foundation in mathematics and shows you how to apply what you have learned using technology. You have the options of specializing to obtain concentrations in *Pure Mathematics* or *Statistics*, or doing a combined Honours degree with another discipline.

Are you interested in mathematics and computer science? Then consider our new **BSc Honours Computing and Mathematics Co-op** program, found on page 29.

For future mathematics teachers, we offer three **Concurrent education** degrees in which you are guaranteed admission to the Faculty of Education if you maintain an average of 75 per cent or more. The courses were specially designed to meet the needs of mathematics teachers. In your third and fourth year, you can gain valuable work experience as a course marker or lab leader.

Concurrent education is a limited enrolment program for students interested in teaching. For more information, see the Faculty of Education, page 14.



Theresa Kwan is a second-year student in the concurrent Bachelor of Science Integrated Studies (Mathematics)/Bachelor of Education program. Theresa loves her program as it provides her with a fantastic integration of mathematics and science courses, along with studies in education. Theresa has already completed one practical placement in a classroom setting and is looking forward to expanding her teaching experience in the years to come.



#### Career Opportunities

- math teacher
- business analyst
- research consultant
- applied mathematician
- statistician
- pure mathematician

## MEDICINE PREPARATION

Are you interested in practising medicine? While Brock does not have a medicine faculty, we're a great choice for your pre-medicine course work. Our tutorial-based seminar system excels in developing your critical thinking skills and is superb preparation for the problem-based learning model of medicine curriculum that is used by many medical schools throughout North America. We recommend partnering our MED *Plus* program with a degree in Health Sciences, Community Health, Biological Sciences, Biomedical Sciences or Neuroscience. For more information on MED *Plus*, see pages 3 and 44.

## NEUROSCIENCE

- 4 yr BSc with a Major **CO-OP**
- 4 yr BSc Honours
- 5 yr BSc Honours Co-op

Neuroscience is the study of the nervous system and how it generates behaviour. You will study the link between neural function and behaviour at many levels, from the interaction between molecules to the interactions between people. These levels are reflected using techniques in molecular genetics, biochemistry, cellular physiology, neuroanatomy, electrophysiology, pharmacology,

behavioural, biology, neuropsychology, cognitive psychology and social psychology.

You may choose from three streams including *Neurobiology*, *Neuropsychology*, and a *Neuromotor* stream. You will assist in active neuroscience laboratory research dealing with humans. The University maintains close research and academic ties to the Ontario Brain Injury Association. This relationship enables our students to work as volunteers in assessing, testing and implementing rehabilitation programs with individuals who have sustained brain injury.

**Co-op** programs allow you to combine academic and work terms which are typically completed in four to five years. For more information about Co-op at Brock, please see page 3.

If you plan to pursue a career in a health profession, you may wish to team up this degree with our one-of-a-kind MED *Plus* program. See pages 3 and 44 for more details about MED *Plus*.

#### Career Opportunities

- physician
- physical and occupational therapist
- pharmacist
- research technician
- medical technologist

## OENOLOGY AND VITICULTURE

- 4 yr BSc Honours Co-op **CO-OP**
- MSc
- PhD
- Certificate in Grape and Wine Technology

Brock University established the Cool Climate Oenology and Viticulture Institute (CCOVI) in 1996 in collaboration with the Canadian grape and wine industry. With these partnerships firmly established, CCOVI has become the focal point of academic training and research for the Canadian grape and wine industry. Inniskillin Hall is one of the most modern facilities in the world dedicated to grape growing and winemaking.

It includes a biotechnology research lab with up-to-date instrumentation, a completely equipped pilot teaching winery, a fermentation lab with climate controlled environment chambers, a fully equipped viticulture research lab, a computerized sensory evaluation lab and a wine cellar which houses the Canadian Wine Library, research wines and teaching collections.

This applied biotechnology **Co-op** degree program is the only one of its kind in Canada, offering a comprehensive scientific education in grape growing and winemaking as well as industry experience through required work terms. You may also gain entrepreneurial skills through work term placements and courses in marketing and tourism. Biology and Chemistry faculty in the program hold major grants for research in biotechnology, genetic studies, viticulture and oenology. For more information about Co-op at Brock, please see page 3.

BSc students from the Okanagan University College in British Columbia

and the Nova Scotia Agricultural College may be eligible to transfer into Year 2 or 3 of our Honours program. Exchange programs exist with Lincoln University in New Zealand, University of Udine in Italy and ENESAD, the Etablissement National d'Enseignement Supérieur Agronomique de Dijon, France.

#### Career Opportunities

- winemaker/winery consultant
- vineyard manager/consultant
- winery/vineyard proprietor
- wine marketing, tourism, and education
- sensory scientist
- oenology, viticulture, or biotechnology researcher

## Niagara Escarpment Biosphere Reserve

Brock's campus is part of the Niagara Escarpment Biosphere Reserve, a global network of biosphere reserves designated and co-ordinated by UNESCO (United Nations Education, Scientific, and Cultural Organization). A biosphere is a model living landscape that shows how cities, parks and farmland can live together in a sustainable way. Brock is the only university in Canada with the privilege of being in a biosphere reserve. As an undergraduate student in our Environment program, you will have the opportunity to conduct field research in our biosphere, using the same techniques applied in other biosphere reserves around the world.

## PHYSICS

- 3 yr BSc **CO-OP**
- 4 yr BSc with a Major
- 4 yr BSc Honours
- 4 1/2 yr BSc Honours Co-op
- 4 yr Concurrent BSc Integrated Studies (Honours)/BEd (Grades 4 to 8)
- 5 yr Concurrent BSc Integrated Studies (Honours)/BEd (Grades 4 to 8)
- 5 yr Concurrent BSc (Honours)/BEd (Grades 7 to 12)
- Minor in Physics
- MSc

Brock's Physics department, with its state-of-the-art equipment and internationally recognized faculty and research projects, is a dynamic and exciting place. Your studies will concentrate on various aspects of solid-state and material research, from superconductors to soft-condensed matter systems. Guest speakers in weekly seminars bring front line research into the classroom, giving you an appetite for the type of research opportunities you will experience in upper years. Our undergraduate students are involved in research — some of our students have published papers before graduation. Combined majors are available with Biology, Computing, Mathematics, Chemistry, Earth Sciences and Great Books/Liberal Studies. See also: Computing and Solid-State Device Technology, page 30.

A **Minor in Physics** is available if you wish to be introduced to the fundamental concepts of various branches of physics and their applications, while pursuing your degree in another field. This program is

designed to give you some basic problem solving skills that help you adapt to today's rapidly changing technology-based workplace.

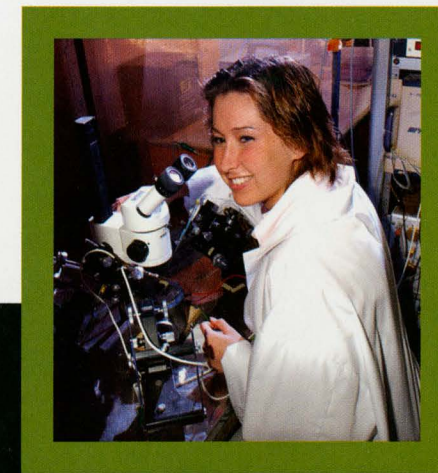
**Co-op** programs allow you to combine academic and work terms which are typically completed in four to five years. For more information about Co-op at Brock, please see page 3.

For future Physics teachers we offer two **Concurrent Education** degree programs. Graduates with Physics as a teachable subject area continue to be in high demand.

**Concurrent education** is a limited enrolment program for students interested in teaching. For more information, see the Faculty of Education, page 14.

#### Career Opportunities

- optical instrument, fibre optics design
- science teacher, physics or astronomy professor
- biomedical equipment development
- aerospace researcher
- computing technical support



Neuroscience student Amanda Cull has taken advantage of many research opportunities during her four years at Brock. Amanda received an NSERC Undergraduate Student Research Award and received funding to work in a lab on campus, and is now completing her Honours thesis. Amanda's work has earned her the Biology Year Three Book Prize for highest academic standing, a place on the Dean's list, as well as the opportunity to participate in the Journal Club, several academic conferences, and the Brock Science Mentorship Program.

# SOCIAL SCIENCES

*"The nurturing sense of community at Brock, combined with a comprehensive academic background, provided me with the confidence to go on and pursue my career goals in the field of law."*

Sharon MacKay, Bachelor of Arts, Political Science  
Associate Lawyer, Sullivan - Mahoney Barristers and Solicitors (LL.B University of Windsor)



The Faculty of Social Sciences at Brock University has a strong tradition of interdisciplinary teaching and research, designed to provide students with a broad based theoretical background, combined with specific core competencies in their area of study. Originally from Ghana, fourth-year student Naa Welbeck chose Brock because of the unique opportunity to enrol in a Business Economics program. Naa is currently studying Financial Economics and has worked both as a Teaching Assistant and a Research Assistant throughout her studies.

- Academic Programs
- Scholarships
- Residence
- Student Services



Request more information online at:  
[www.brocku.ca/prospective/](http://www.brocku.ca/prospective/)

*OR* fill in the card below and mail it to us.

**Please send me more information about Brock University!**

Surname \_\_\_\_\_ First Name \_\_\_\_\_  
 E-mail address \_\_\_\_\_  
 Mailing address \_\_\_\_\_  
 Apt. No. \_\_\_\_\_  
 City \_\_\_\_\_ Province/State \_\_\_\_\_  
 Country \_\_\_\_\_ Postal/Zip Code \_\_\_\_\_

Date of Birth: Year \_\_\_\_\_ Month \_\_\_\_\_ Day \_\_\_\_\_

**I am currently a:**

secondary school student  
 current school and grade \_\_\_\_\_  
 mature student (out of school for 2 years and 21 years of age)  
 university transfer student  
 college transfer student

**I would like more information about:**

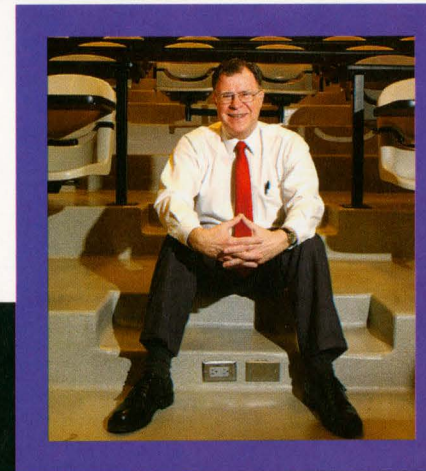
Academic Programs (please specify up to 3 choices)  
 Residence  
 Scholarships/Bursaries  
 Student Services

- Minor in Canadian Studies

Are you fascinated by looking at "Canada" as both a nation and a concept? As a Canadian Studies major, you will enjoy the multiple perspectives — historical, geographic, economic,

child or youth within the context of the family, school, peer group and community. With interdisciplinary roots in psychology, education, sociology, cultural studies and criminology, our degree gives you the academic

Professor David DiBattista, PhD, (Psychology), is currently completing research focused on the Immediate Feedback Assessment technique, and students' reaction to the test. For his hard work and dedication to education, Professor DiBattista has received several awards, including the Faculty Award of Excellence in Teaching, and the Making a Difference Award presented by the Brock Student Development Centre.



*"The nurturing  
with a comprehensive  
with the confidence  
in the field of law"*

Sharon MacKay, Bachelor of Arts  
Associate Lawyer, Sullivan - Mah

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**Recruitment and Liaison Services**  
Brock University  
500 Glenridge Avenue  
St. Catharines, Ontario  
Canada L2S 3A1

The Faculty of Social Sciences at Brock University has a strong tradition of interdisciplinary teaching and research, designed to provide students with a broad based theoretical background, combined with specific core competencies in their area of study. Originally from Ghana, fourth-year student Naa Welbeck chose Brock because of the unique opportunity to enrol in a Business Economics program. Naa is currently studying Financial Economics and has worked both as a Teaching Assistant and a Research Assistant throughout her studies.

## BUSINESS ECONOMICS

- 4 yr BBE Honours **CO-OP**
- 4 1/2 yr BBE Honours Co-op

Our Bachelor of Business Economics program is unique in Canada. If you are interested in combining the studies of economics and business, this degree offers you the best opportunity. With an emphasis on quantitative, communication and analytical skills, you will be well prepared for a variety of careers in both the public and private sectors of the economy. After your first two years, you can specialize in one of the following two areas:

*Financial Economics* which combines economics with finance knowledge; or *Consumer Economics* which combines economics with marketing expertise.

**Co-op** programs allow you to combine academic and work terms which are typically completed in four to five years. For more information about Co-op at Brock, please see page 3.

### Career Opportunities

- financial analyst
- market researcher
- public service administrator
- private sector manager
- banker

## CANADIAN STUDIES

- 3 yr BA, Combined Major only
- 4 yr BA Honours, Combined Major only
- Minor in Canadian Studies

Are you fascinated by looking at "Canada" as both a nation and a concept? As a Canadian Studies major, you will enjoy the multiple perspectives — historical, geographic, economic,

political, literary, and artistic. You can pursue Canadian Studies in combination with any other combined major offered at Brock, including areas as diverse as tourism, history, film, English and geography. In addition to regular classes, you will benefit from sponsored guest speakers, book launches and symposia. You will enjoy helping to run the annual interdisciplinary conference, called "Two Days of Canada."

If your major is in another department, but you have an interest in Canadian Studies, you can choose Canadian Studies courses as your electives and work towards a **Minor in Canadian Studies**.

### Career Opportunities

- teacher
- communications manager
- public relations co-ordinator
- foreign service officer
- tourism program developer

## CHILD AND YOUTH STUDIES

- 3 yr BA
- 4 yr BA Honours
- 4 yr Concurrent BA CHYS/BEEd (Grades K-6, competitive admission for second-year entry)
- MA

Child and Youth Studies (CHYS) is one of the most popular programs at Brock. You will learn from a broad-based approach that considers the individual child or youth within the context of the family, school, peer group and community. With interdisciplinary roots in psychology, education, sociology, cultural studies and criminology, our degree gives you the academic

background to pursue a wide variety of careers or to pursue further studies in a Master's program.

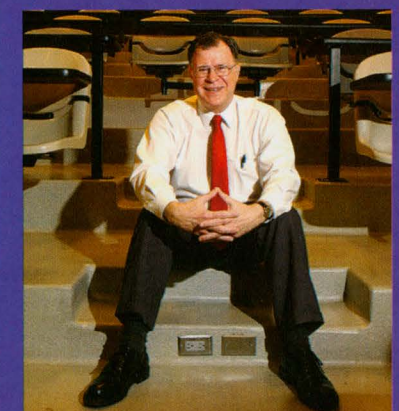
Field placements in schools and agencies will give you valuable experience for your résumé.

You will complete a common first year, and then apply for either the **Concurrent BA CHYS/BEEd**, the **BA Honours** or the **BA**.

The **Concurrent BA CHYS/BEEd** is a limited enrolment program which offers a unique integration of academic and teacher-education courses throughout four years of study. For more information see the Faculty of Education, page 14.

### Career Opportunities

- child life specialist
- teacher
- autism consultant
- special needs assistant
- social services worker
- child advocate
- community youth programs manager
- school consultant



Professor David DiBattista, PhD, (Psychology), is currently completing research focused on the Immediate Feedback Assessment technique, and students' reaction to the test. For his hard work and dedication to education, Professor DiBattista has received several awards, including the Faculty Award of Excellence in Teaching, and the Making a Difference Award presented by the Brock Student Development Centre.



## COMMUNICATIONS STUDIES

CO-OP

- 3 yr BA
- 4 yr BA Honours
- 4 yr BA Honours Co-op

Are you interested in studying how people communicate, ways that social structures affect communication, or how new technologies are changing human communications? We offer four streams of specialization:

*Business Communications* gives you a strong base for analyzing and practising communications in business.

*Communications Policy* builds your expertise in public policy by looking at the interaction of media and culture with political, social, and economic forces.

*Information Technology* develops your knowledge of how new information technologies impact human communications.

*Media and Culture* examines the construction of meaning through film, television, literature, and popular culture.

The **Co-op** programs in all streams combine academic and work terms over a four-year period. Students spend two years in an academic setting, where they acquire the necessary background prior to taking the first work placement. For more information about Co-op at Brock, please see page 3.

### Career Opportunities

- public relations officer
- radio/TV journalist
- advertising executive
- government policy adviser
- human resource manager

## ECONOMICS

CO-OP

- 3 yr BA
- 4 yr BA Honours
- 4 1/2 yr BA Honours Co-op

You will study the “science of choice” — learning how limited resources can best be used to meet the needs of individuals and society. You will look at how individual consumers choose to spend their time and money, and how producers predict and respond to consumer needs. You will gain an understanding of the economy as a whole, from the banking system, unemployment, government debt and taxation, to international trade and exchange rates, and natural resource use and conservation.

### Career Opportunities

- private sector economist
- government economist
- business manager
- corporate lawyer
- banker
- financial investment planner

## ENVIRONMENT

CO-OP

- 4 1/2 yr BSc Honours (Applied Environmental Science and Technology) Co-op
- 3 yr BA
- 4 yr BA Honours
- 3 yr BSc
- 4 yr BSc Honours
- 5 yr Concurrent BSc Integrated Studies (Honours)/BEd (Grades 4 to 10, emphasizing elementary school)
- Minor in Environmental Studies
- Certificate in Environment

Examine the issues, understand the choices and have an opportunity to make a difference in your world. Brock’s

Centre for the Environment oversees several environmental programs in conjunction with other departments. You will draw upon the knowledge base and practical techniques of a wide range of disciplines in the natural sciences, social sciences and humanities. Your program will take you from the classroom to the field to analyse and address environmental issues that impact communities around the world.

In our **Co-op in Applied Environmental Science and Technology**, you will take courses in biology, biotechnology and environment, and also complete three Co-op work terms. You will graduate with an *Honours BSc* from Brock and a post-graduate certificate from Niagara College in Ecosystem Restoration. For more information about Co-op at Brock, please see page 3.

The **BA and BSc in Environment** bring together studies in environmental economics, environmental policy and environmental sciences. You will gain insights into the areas of expertise that are needed to respond to environmental challenges. In the **BA program**, you will have the opportunity to specialize in geography, political science or sociology.

In the **BSc program**, you can specialize in biology, chemistry, or geography.

The professors at Brock have extensive practical experience, from award-winning research projects, to consulting roles with Environment Canada, Fisheries and Oceans Canada, the Niagara Region, the Ontario Ministry of Natural Resources and Pollution Probe.

If your major is in another department, but you have an interest in environmental issues, you can choose Environment courses as your electives

and work towards a **Minor in Environment**.

**Concurrent education** is a limited enrolment program for students interested in teaching. For more information, see the Faculty of Education, page 14.

### Career Opportunities

- environment consultant and benefit cost-analyst
- energy analyst
- municipal or government planner
- conservationist waste management controller

## FILM STUDIES

CO-OP

- 3 yr BA
- 4 yr BA Honours
- 4 1/2 yr BA Honours Co-op

Brock has the oldest and one of the most distinguished Film Studies programs in Canada. The program focuses on critical and historical courses that examine a variety of approaches to film and related media. Most courses include weekly film screenings to introduce students to all kinds of cinema. Studying a wide range of films provides a thorough understanding of the medium for future filmmakers, critics, and teachers. There are optional courses in film and video production, and students may become involved in the organization of the Brock University Film Society (BUFS).

The **Co-op** program combines academic and work terms over a 4 1/2-year period. Students spend two years in

an academic setting, where they acquire the necessary background prior to taking the first work placement. For more information about Co-op at Brock, please see page 3.

### Career Opportunities

- film writer
- video artist
- television programmer
- film critic
- filmmaker

## GENERAL STUDIES

- 3 yr BA
- 3 yr BSc
- 4 yr BSc Honours

Our unique general liberal arts and science degrees enable you to pursue a more general pattern of studies than a single or combined major allows. The General Studies option gives you a broad exposure to a specific set of courses offered from across all the Faculties at Brock University: Applied Health Sciences, Business (limited course selection in Business), Education, Humanities, Mathematics and Science, and Social Sciences. Students in Niagara College’s General Arts and Science Diploma program are eligible for admission and transfer credit to the BA General Studies.

### Career Opportunities

- human resource manager
- technical writer
- elementary teacher
- administrator
- mediator

## GEOGRAPHY

- 3 yr BA
- 4 yr BA Honours in Human Geography
- 4 yr BA Honours in Geography with Concentration in GIS
- 3 yr BSc
- 4 yr BSc Honours in Physical Geography
- 4 yr BSc Honours in Geography with Concentration in GIS
- 5 yr Concurrent BA Integrated Studies (Honours)/BEd, BSc Integrated Studies (Honours)/BEd (Grades 4 to 10, emphasizing elementary school)
- 5 yr Concurrent BA (Honours)/BEd, BSc (Honours)/BEd (Grades 7 to 12)
- Minor in Geography

Geographers study the locations of human and physical aspects of natural and human environments, to determine how, when, where and why they originated, developed and evolved. Our program combines classroom, laboratory and fieldwork experience in:

*Human Geography:* An understanding of the human world and its interaction with the physical, urban, social, economic, cultural and symbolic aspects of human behaviour and environments.

*Physical Geography:* The study of the Earth’s surface features and processes, explaining geographic patterns of landforms, sediments, soils, vegetation, water and climate by investigating and



In her second year of the Child and Youth Studies program, Pamela Carson has already experienced some of the practical learning opportunities offered through her program. Pamela recently completed an internship in a Grade 1 classroom, and received a glowing recommendation from her placement teacher. Pamela also provides a valuable service to fellow Brock students through her work as a Note Taker, submitting class notes for students with special needs.



understanding the processes operating at the surface of the earth, and how they interact, affect and complement human activities and environments.

**Geographic Information Systems (GIS):** A growing field that includes technical studies in cartography, remote sensing and surveying. Our Concentration in GIS is now being offered in collaboration with Niagara College. You can graduate in four years with an Honours degree in Geography and a postgraduate diploma in GIS.

**Concurrent education** is a limited enrolment program for students interested in teaching. For more information, see the Faculty of Education, page 14.

If your major is in another department, but you have an interest in Geography, you can choose Geography courses as your electives and work towards a **Minor in Geography**.

#### Career Opportunities

- land surveyor
- city planner
- climatologist
- teacher
- cartographer

## INTERNATIONAL POLITICAL ECONOMY

- 4 yr BA Honours

This unique program lets you combine your studies in Economics and Political Science. It is designed to provide you with an understanding of the forces behind globalization by focusing on historically new questions: What economic forces give rise to internationalization and globalization? What will be the role of international

economic institutions such as the European Central Bank, the World Bank, or the World Trade Organization? Should countries adopt common currencies? How will globalization, and economic policies and institutions, affect transnational cultural relations and attempts to maintain cultural sovereignty? In the future, will people continue to define their identities in terms of nationality?

#### Career Opportunities

- international business person
- foreign service agent
- diplomat
- journalist
- public servant

## LABOUR STUDIES

- 3 yr BA Combined Major with Economics, Political Science or Sociology
- 4 yr BA Honours Combined Major with Economics, Political Science or Sociology
- Concentration in Labour Studies
- Certificate in Labour Studies

**Work.** It's a four-letter word that defines so much of our lives — our position in society, our economic well-being, even our self-image. A Labour Studies combined Honours degree or concentration gives you a social science perspective for the study of work and the many issues faced by workers in contemporary society. You will become an expert on issues such as restructuring the labour force, technological change in the workplace, human rights and equality issues, changing labour legislation and re-skilling the workforce.

#### Career Opportunities

- labour lawyer or mediator
- human resource manager
- government labour specialist
- journalist
- labour educator and researcher

## POLICING AND CRIMINAL JUSTICE

- 4 yr BA Honours in Political Science or Sociology, or BA with Major in Psychology with Diploma in Police Foundations

Our unique collaborative program in Policing and Criminal Justice offers you an exciting new opportunity to pursue a career in the criminal justice system. Graduates of this four-year program will receive an honours Bachelor of Arts degree in one of Political Science or Sociology, or a BA with a major in Psychology as well as a diploma in Police Foundations. By offering courses at Brock University and Niagara College of Applied Arts and Technology, the program caters to an increasing demand for professionals who possess both solid applied skills and substantive knowledge in the areas of policing and criminal justice. Apply for admission to this specialized program at the end of your first year at Brock. In Year 3, courses are taken at Niagara College, and include a practical field placement provided by the Niagara Regional Police Service. You return to Brock for your final year of study.

#### Career Opportunities

- law enforcement
- corrections
- security
- parole
- probation

## POLITICAL SCIENCE

CO-OP

- 3 yr BA
- 4 yr BA Honours
- 4 1/2 yr BA Honours Co-op
- MA
- Concentration: Public Law
- Certificate in Public Administration
- Certificate in Public Law

Aristotle wrote more than 2,000 years ago that we are “by nature” political beings. Find out why! Our program looks at five key areas. In *Canadian Politics, Comparative Politics* and *International Relations*, you will examine power relationships and the organization of power within and among states. *Political Theory* introduces you to diverse perspectives on how power ought to be organized and to what ends. *Public Administration* focuses your thoughts on how power is organized in the administrative machinery of contemporary local, provincial and national governments. You will develop strong skills in argument and analysis. As Honours students, you may participate in part-time internship opportunities, working with government and non-government organizations, research institutes and political parties.

The *Concentration in Public Law* is a superb pre-Law program if you intend to pursue a legal career.

If you are interested in pursuing a career in the criminal justice system, you may wish to look into our new collaborative program in Policing and Criminal Justice. See page 40 for more details.

**Co-op** programs allow you to combine academic and work terms which are typically completed in four to five years. For more information about Co-op at Brock, please see page 3.

#### Career Opportunities

- lawyer
- government administrator
- journalist
- diplomat, international affairs specialist
- polling and political consultant

## POPULAR CULTURE

CO-OP

- 3 yr BA
- 4 yr BA Honours
- 4 yr BA Honours Co-op
- MA

You will explore issues in popular culture from a multidisciplinary perspective. You will take a series of critical and historical courses which examine popular forms in a wide variety of media including television, popular music, advertising, literature and film, in their political, historical, economic and aesthetic contexts. Courses in communications, film, Canadian studies and politics, in addition to general background courses in humanities, social sciences, and science, will give you an excellent understanding of the world of popular forms, both contemporary and historical.

The **Co-op** program combines academic and work terms over a four-year period. Students spend two years in an academic setting, where they acquire the necessary background prior to taking the first work placement. For more information about Co-op at Brock, please see page 3.

The MA is an interdisciplinary program with courses offered by faculty from several Departments in the Faculty of Humanities and the Faculty of Social Sciences.

#### Career Opportunities

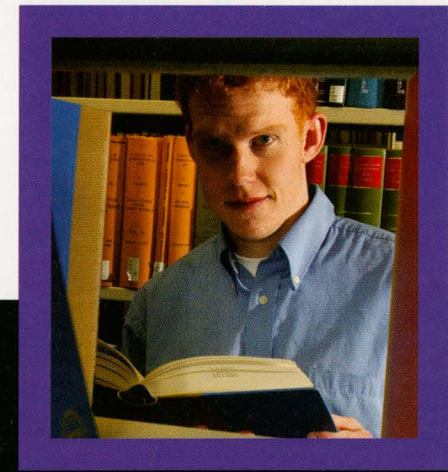
- journalist
- writer
- editor
- public relations professional
- advertising executive

## PSYCHOLOGY

CO-OP

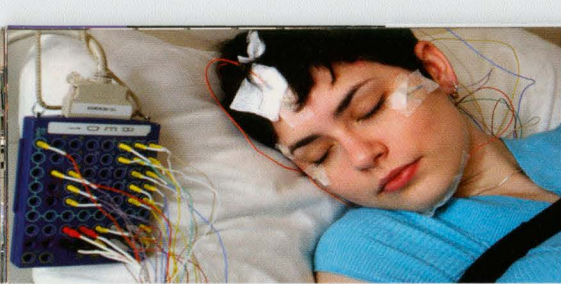
- 3 yr BA
- 4 yr BA with a Major
- 4 yr BA Honours
- 5 yr BA Honours Co-op
- 5 yr BA with a Major Co-op
- Minor in Psychology
- MA
- PhD

At the heart of human behaviour lies the fascinating science of psychology. After your first-year introduction course, your studies can branch into several directions including clinical, cognitive, developmental, neuropsychology, personality and social psychology. You will also engage in research projects, field placements and practical work experience. Brock offers senior students the opportunity to work as research assistants in a variety of active laboratories, such as the sleep, neuropsychology, social development, social justice, animal communication and hypermedia labs.



Wade Mills, a third-year Political Science student, was thrilled to recently accept a position at Dalhousie Law School where he will work towards his dream of becoming a lawyer. Wade credits the Political Science program at Brock for preparing him exceptionally well for his future. Wade was a student representative on the Department of Political Science Board and was also the President of the Political Science Students' Association.





# Graduate Studies

A **Minor in Psychology** is available if you wish to obtain an overview of psychology while pursuing your degree in another subject area.

**Co-op** programs allow you to combine academic and work terms which are typically completed in four to five years. For more information about Co-op at Brock, please see page 3.

If you are interested in pursuing a career in the criminal justice system, you may wish to look into our new collaborative program in Policing and Criminal Justice. See page 40 for more details.

### Career Opportunities

- psychologist
- psychological assessor
- child and youth care worker
- social worker
- human resource professional

## SOCIOLOGY

- 3 yr BA
- 4 yr BA Honours
- Concentrations: Criminology, Social Justice and Equity
- Minor in Criminology
- Minor in Sociology
- MA in Social Justice and Equity
- Certificate in Criminology

As a Sociology student, you will develop the analytical skills to study human social behaviour within the social institutions and policies which shape our real-life experiences. You will be exposed to perspectives and experiences to give you a broad understanding and appreciation for diversity, including criminology and deviance, gender and labour, ideology and communications, and socialization and inequality. As a Sociology major, you can take a

*Concentration in Criminology* with a focus on the criminal justice system, youth offenders, law and punishment. Or you can take a *Concentration in Social Justice and Equity* with a focus on inequality related to racism, gender and class.

You can also combine a Sociology major with Canadian Studies, Child and Youth Studies, Communications Studies, Environment, Labour Studies or Women's Studies. You will learn by reading, writing, seminar debate and individual research. As well, you will gain practical work and research experience as a volunteer with a local service agency.

**Minors in Sociology, or Criminology** are available if you wish to obtain an overview of criminology or sociology while pursuing a degree in another subject area.

If you are interested in pursuing a career in the criminal justice system, you may also wish to look into our new collaborative program in Policing and Criminal Justice. See page 40 for more details.

### Career Opportunities

- police/corrections officer
- immigration and customs officer
- social worker
- union organizer
- corporate policy adviser

## WOMEN'S STUDIES

- 3 yr BA
- 4 yr BA Honours
- Minor in Women's Studies
- Certificate in Women's Studies

You will examine how gender, as an essential factor in cultural expression and human interaction, influences both men and women. You will explore women's intellectual contributions and experiences from a variety of perspectives, in a supportive environment. The strength of the program is its interdisciplinary scope — you will look at history, institutions, ideology, human nature, science, language and culture from a new critical perspective.

If you cannot commit to a full degree or you already have a degree, the certificate program has been designed for you.

A **Minor in Women's Studies** is available if you wish to obtain an overview of women's studies while pursuing your degree in another subject area.

### Career Opportunities

- family lawyer
- social worker
- family doctor
- director of women's organizations
- human rights worker

Brock is internationally recognized for our strong sense of community and excellent graduate programs. Brock provides a friendly, supportive atmosphere for graduate students. Our smaller-sized programs promote collegiality, faculty accessibility as well as personalized and ongoing contact between professors and students.

As a graduate student at Brock, you will work one-on-one with dedicated professors who are among the top researchers in their field in Canada and around the world. Their individual attention and expertise will guide you as you explore new and exciting directions in your area of study. You will be joining one of the most rapidly growing parts of the University. We have expanded from eight Master's programs to 17 along with four PhD programs. Another six Master's programs are in the advanced stage of planning or approval.

### Research Excellence and Financial Assistance

Brock University researchers continue to experience success in attracting sponsored research funding. Many of these research funds contribute directly to the education and training of graduate students. Each year, Brock graduate students receive national and provincial grants and scholarships in recognition of their academic excellence.

Brock University, faculty researchers, generous donors and external agencies offer fellowships, assistantships, scholarships, awards and bursaries. Prospective students are strongly encouraged to apply for

any financial assistance for which they are eligible. Graduate students are also eligible to apply for government student loans. For more information, go to [www.Brocku.ca/gradstudies](http://www.Brocku.ca/gradstudies) and click on Financial Aid.



*"I feel indebted to my graduate supervisor for both past and future achievements. He offered me the perfect balance of independence and guidance that allowed me to cultivate my own passion for research and creative thought."*

Candace Panagabko  
BSc Honours Biochemistry, PhD Biotechnology  
(with Distinction)

### Master's Programs

- MAcc Master of Accountancy
- MA/MSc in Applied Health Sciences
- MA in Applied Linguistics (TESL) Teaching English as a Subsequent Language
- MSc in Biological Sciences
- MSc in Biotechnology
- MBE Master of Business Economics
- MBA Master of Business Administration
- MSc in Chemistry
- MA in Child and Youth Studies
- MSc in Earth Sciences
- MEd Master of Education
- MA in Philosophy
- MSc in Physics
- MA in Political Science
- MA in Popular Culture
- MA in Psychology
- MA in Social Justice and Equity Studies
- 5 International Student Cohort Programs

### Doctoral Programs

- PhD in Biological Sciences
- PhD in Biotechnology
- PhD in Educational Studies (joint program)
- PhD in Psychology

### Programs in Development

- MSc in Computational Mathematics and Statistics
- MSc in Computer Science
- MA in English Language and Literature
- MA in Studies in Comparative Literature and Arts
- MA in Classics
- MA in History

# Residence Life

## Traditional-Style Residences



DeCew Residence



Earp Residence



Lowenberger Residence



Vallee Residence

The traditional-style residences have both single and double rooms grouped into communities of "houses" or "halls" of 40 to 60 students. Each building has common lounges, laundry facilities and vending machines. All students living in traditional-style residences must

purchase a meal plan for use in one of the two residence dining halls. Washroom facilities are shared with one to six others. There are several rooms designed to accommodate those with mobility devices.

## Townhouse Style Residences



### Village Residence

**Highlights:** Townhouses with three single rooms and one double room to a house. Also includes a kitchen, lounge area, and storage. An optional meal plan is available.



### Quarry View Residence

**Highlights:** Stacked townhouse units. All single rooms in 3 or 4 bedroom units. Also includes a living/dining area, kitchen, and 2 washrooms. An optional meal plan is available.

## Room Fees (2004-2005)

Style	Double Room	Single Room
Traditional	\$3,280*	\$3,645*
Village	\$3,510**	\$3,990**
Quarry View	N/A	\$4,320**

\*An additional Communications Fee of \$275 is applied to all students living in residence (except Quarry View). This covers the cost of network connection, cable TV and local telephone in every residence room. Students living in Quarry View have the opportunity (and responsibility) of signing up for cable, Internet and telephone services.

\*\*There is a mandatory utilities fee for Village Residence (\$270) and Quarry View (\$385). This cost is subject to change.

The residence system at Brock has been recognized as being one of the best in Canada. As your "home away from home," residence at Brock will provide you with the opportunity to live in outstanding modern facilities, to meet new friends, and to become a vital part of the Brock community. Living in residence is an experience like no other and one which will provide you with great memories lasting long after graduation.

## Meal Plan Options

Students must purchase a meal plan if living in a Traditional style of residence; meal plans are optional for students living in a Townhouse style of residence. Meal plans are on an "all-you-care-to-eat" basis. The Flex Plans offer a combination of all-you-care-to-eat meals in the dining hall with extra "flex dollars" which may be used at any Sodexo location on campus, as well as several establishments off campus. Declining Cash Balance (DCB) accounts are also available, for any student living on- or off-campus, and may be used at any Sodexo location on campus, as well as several establishments off campus.

Meal Plan	Description	Cost
10 Meal Plan	10 meals/week	\$2,995
10 Flex Plan	10 meals/week + \$315 DCB	\$3,295
15 Meal Plan	15 meals/week	\$3,255
15 Flex Plan	15 meals/week + \$315 DCB	\$3,555
19 Meal Plan	19 meals/week	\$3,495
19 Flex Plan	19 meals/week + \$315 DCB	\$3,795

\*Please note these prices are subject to change.



## Off-Campus Housing

Planning to live off campus? Our Off-Campus Housing Office offers an excellent service to make your housing search easier. Up-to-date listings of available accommodations are posted outside the department and also on our Web site at [www.brocku.ca/och/](http://www.brocku.ca/och/)

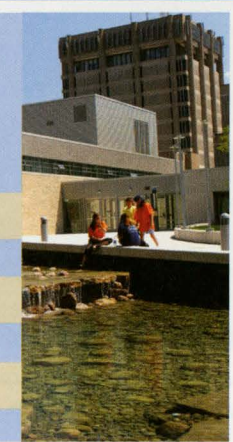
You will also find information about average rents, answers to many common questions, and other useful tips!

Also check out the Brock Off-Campus Society (BOC), an organization run by the Brock University Students' Union for students living off campus. For more information visit the Web site at [www.busu.net](http://www.busu.net).

## Safety

Brock University is known as a safe and friendly campus. Even so, it is important to have safety measures in place. On our campus you will find:

- Campus Security are on duty 24 hours;
- Well-lit walkways and parking lots;
- Emergency Call Buttons;
- Residence Security Staff;
- Brock Students' Foot Patrol.



## Getting In!

1. Indicate your interest in living in residence on the Ontario Universities' Application Centre (OUAC) application form. International students should contact the Department of Residences.

2. Along with your offer of admission, we'll send you instructions letting you know how to apply to residence.

3. Apply for residence online at: [www.brocku.ca/residence](http://www.brocku.ca/residence) by June 13, 2005. Your residence deposit must be received by Brock's Finance Office by June 13, 2005. You may indicate a preference for a particular style of residence. We'll do our best to accommodate you, although there is no guarantee that we will be able to meet these preferences.

4. We are happy to guarantee residence to a) Incoming Year One full-time students coming directly from high school (attending as a full-time student the preceding academic year), with a 75% or higher admission average, as determined by the Office of the Registrar at Brock or b) Incoming Year One full-time students whose primary residence is outside of Ontario. In both cases this guarantee applies only if the residence application and deposit deadline of June 13, 2005 is met.

*The above is intended to provide general information about residence at Brock University. It is subject to change without notice, as deemed appropriate by the Department of Residences. Please consult our Web site at [www.brocku.ca/residence](http://www.brocku.ca/residence) for the most current information.*

# Getting Involved Beyond the Classroom

## Brock University Students' Union

Do you like to meet new people, get involved, and make a difference in your school community? The Brock University Students' Union (BUSU) represents all Brock undergraduate students and is organized by students for students. Being a part of the student government is a terrific opportunity to learn new and marketable skills, expand your network of contacts, and to make a positive impact on your University.

## Something for Everyone

We have a club for you! Brock students are members of more than 50 student clubs, offering activities to suit almost anyone's interests. They are as diverse as our student population and range from faculty-based clubs, to cultural organizations, to special interest activities. Student clubs are a great way to get to know other people who have similar interests to yours and to expand your social circle.

## A Healthy, Active Lifestyle

You don't have to be a star athlete to get involved in sports at Brock. Over 5,000 students each year take part in our fantastic intramural programs from flag football to innertube water polo. Get involved in aquatics, fitness, instructional programs such as Tai Chi or Pilates, or even gain your certification in coaching or first aid. The possibilities are endless!

Brock boasts some of the best facilities in the province for student recreation. Our Walker Complex is the largest multi-use recreational facility in the Niagara region and includes a state-of-the-art health club called The Zone, an Olympic-sized swimming pool, an indoor rowing centre and a 200-metre suspended running track.



*The Zone is a 5,100-square-foot facility including cardio equipment, strength training equipment, and a mezzanine level designed for group spin classes and the cardio theatre.*

## Residence Activities

Residence isn't just about having a place to call home, it's also about participating in the numerous opportunities available. You may wish to help with the planning of special events on the Residence Action Council, volunteer to create the yearly Residence Yearbook, or pass on your expertise and experiences to others by being a Don after your first year.

## Recreational Facilities

- The Zone fitness centre
- 3 gymnasiums (23,000, 12,000, 11,000 square-foot)
- Indoor running/walking track
- Outdoor tennis courts
- Cardio centre
- Indoor Rowing Centre
- Olympic-sized swimming pool
- Sauna and whirlpool
- Athletic therapy clinic
- Combative room
- Fencing/dance studio
- Squash and racquetball courts
- Numerous playing fields

## BUSU Services

- Brock Off-Campus Society (BOC)
- Foot Patrol
- Student Health Plan
- "U-Pass" Bus Pass
- Food Bank
- Emergency Student Loan Program

# A Winning Tradition



*Brock athletes Evan MacDonald (men's wrestling) and Tonya Verbeek (women's wrestling) travelled to Athens, Greece to represent Canada at the 2004 Summer Olympic Games.*

## Brock Olympians

Evan MacDonald and Tonya Verbeek, members of Brock's Wrestling team, have now both realized their dreams of becoming an Olympic athlete. Both MacDonald and Verbeek ended the 2003-2004 season on a high note when each qualified to become members of the Canadian Men's and Women's Wrestling teams at the 2004 Olympics in Athens, Greece. Tonya is a member of the first Women's Wrestling Team at the Olympics. Evan represents the fifth Badger wrestler from the Men's team to reach the Olympics, a history which includes Head Coach, and former Badgers wrestler, Marty Calder who has been a National member of Canada's Wrestling Team since 1985 and travelled to the Olympic Games in Barcelona in 1992, and to Atlanta in 1996. Richard DesChatelets, Director of Operations, is also no stranger to the world stage and in 2000 was the Canadian Olympic Wrestling Head Coach in Sydney, Australia.

## Academic Champions

Interuniversity sport is the experience of a lifetime. Participating in team sports, combined with a strong education, will help you to build the skills you will need to be successful in life. At Brock we recognize the importance of balancing your academics with athletics. Many of our student athletes are excellent examples of this balance with 39 named Academic All-Canadians and 146 receiving President and OUA Awards in 2003-2004. These awards are all based on maintaining a positive academic average while competing as an athlete.

## 2003-2004

### Canadian Championships

- GOLD** - CURC Men's Rowing
- GOLD** - CIS Men's Wrestling
- BRONZE** - CIS Women's Wrestling

## 2003-2004

### Ontario Championships

- GOLD** - OUA Women's Curling
- GOLD** - OUFLA Men's Lacrosse
- GOLD** - OUA Men's Rowing
- GOLD** - OUA Men's Wrestling
- GOLD** - OUA Women's Wrestling
- SILVER** - OUA Women's Lacrosse
- SILVER** - OUA Men's Tennis

## Varsity Sports

### Men's

Badminton	Fencing	Soccer
Baseball	Golf	Squash
Basketball	Hockey	Swimming
Cross Country	Rowing	Tennis
Curling	Rugby	Wrestling

### Women's

Badminton	Hockey	Soccer
Basketball	Lacrosse	Swimming
Cross Country	Rowing	Volleyball
Curling	Rugby	Wrestling

Fencing  
Figure Skating

### Club Sports

Men's Lacrosse



## Become a Brock Athlete

If you've been a successful athlete in a sport in high school, we'd like to hear from you! Please fill out our Athletic Recruitment Form on our Web site at [www.brocku.ca/athletics/recruitment](http://www.brocku.ca/athletics/recruitment). Tryout schedules for all teams will be posted at [www.brocku.ca/athletics](http://www.brocku.ca/athletics) by mid-to-late August, so be sure to check regularly for updates.



*Brock's women's lacrosse team finished the 2003 season with a 9-3-1 record and captured a silver medal in the OUA Championships Final.*

# At Your Service

You come first at Brock! Our faculty and staff make outstanding service something you can expect every day.

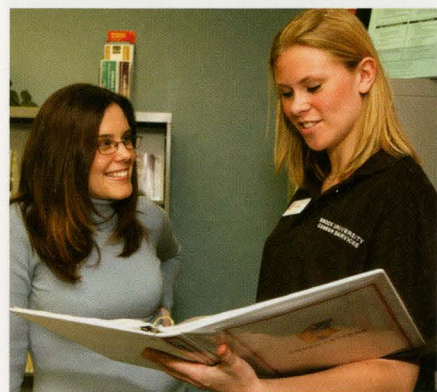
## SMARTStart

We'll give you the help and support you need to ensure your success. In the summer, come to campus for SMARTStart, our first-year academic orientation program. We'll help you plan your courses and register using our state-of-the-art Web-based registration system. Learn about other student services provided on campus, register with EXPERIENCE Plus, and meet fellow first-year students.

## Career Services

Career Services is dedicated to helping students explore career options, define career goals and plan their academic, work and volunteer opportunities to meet those goals. Stop by to see us — no appointment is necessary!

• **Career Planning:** We offer numerous resources to assist you with your career planning and job search. Our resource library, employment workshops, job opportunities and many events will all help to prepare you for your



*Career Assistant Natalie Tanner (3rd year BA/BEd Child and Youth Studies), right, works in Career Services helping students to develop their career plans and goals.*

career of choice and connect you with relevant volunteer and employment opportunities. Trained Career Assistants will work with you to provide practical hands-on assistance.

• **EXPERIENCE Plus:** Register with EXPERIENCE Plus and we'll work with you to track and record your volunteer and work experience, workshop attendance, certifications, and awards. Your official EXPERIENCE Plus transcript will demonstrate your development of the skills that are so highly valued by employers.

• **MED Plus:** If you plan to pursue a career in health care, check out this program — a one-of-a-kind partnership with local physicians and public health officials. The program gives you valuable experience, which will be an important asset when you apply to medical or graduate school. You'll want to practice your future career in Niagara with the outstanding professionals you will meet through MED Plus.

## Health Services

Our team of nurses and physicians provide comprehensive medical services for full-time students, as well as health education counselling. Look for us in Harrison Hall, the medical building next to the Village Residences.

## Student Development Services

Visit us at the 4th floor of the Schmon Tower to find out about the many services provided by the friendly staff at the Student Development Centre:

- Aboriginal student services
- Campus Ministries and Meditation Centre
- Leadership Foundations Training
- Services for Students with disabilities



*Laura McPhearson (4th year Health Sciences) works in Health Services as a Peer Health Educator.*

- Learning skills services, including our Study Write! drop-in service
- Personal counselling services

## International Services

Are you interested in adding an international component to your degree? Brock has excellent exchange programs. You may also wish to take part in INTERNATIONAL Plus, a new program for students interested in travelling, studying or working abroad. You will have the opportunity to make contacts with people from numerous countries by participating in volunteer placements that have an international dimension, and by attending various workshops. By participating in INTERNATIONAL Plus, you will be able to enhance your international experiences and develop awareness about other cultures.

Are you coming to Brock from another country? We'll help you adjust to university life in Canada, starting with social and academic orientation activities, as well as other events throughout the year. All students are welcome to join the various international student clubs or relax in the International Cooperation Lounge to meet other Brock students from around the world.

# Money Matters

## • Scholarships

Brock Scholars Awards		
\$10,000	( \$2,500 first year, \$2,500 renewable x 3** )	94% +
\$ 6,000	( \$1,500 first year, \$1,500 renewable x 3 )	90 - 93.9%
\$ 4,000	( \$1,000 first year, \$1,000 renewable x 3 )	86 - 89.9%
\$ 1,550	( \$ 500 first year, \$ 350 renewable x 3 )	80 - 85.9%

\* Please note: number of renewals dependent on length of program of study. Maximum of 3.

Brock Scholars awards are open to every incoming student, from anywhere in the world! To qualify, you must be entering into your first undergraduate program in Fall 2005 and register as a full-time student. Your award will be renewed every year if you achieve an average of 80 per cent on your Brock courses.

## • Brock Leaders Awards

If you are interested in an undergraduate degree program in the Social Sciences, Humanities, or Sciences, make sure you apply for a Brock Leaders Award! These \$8,000 awards (\$2,000 first year, \$2,000 renewable x 3) are based on your grades (you must have a minimum average of 80 per cent), a nomination from one of your teachers, a résumé outlining your personal leadership experience, and an essay. Financial need will also be taken into account. Application forms will be available on our Web site in September. The application deadline is **March 31, 2005**. Fifteen awards for first-year students are available for students from across Canada. You will also be guaranteed a place in one of our residences for the duration of your award.

## • Brock International Baccalaureate (IB) Scholars

We recognize that students graduating from an IB program have had a very demanding high school experience. If you have completed your IB program and have a

cumulative IB grade of 28 or more, you may receive a recognition award of \$500, in addition to any other awards you might qualify for.

## • Entrance Bursaries

If you have financial need, you may qualify for a \$750 entrance bursary. All you have to do is

## • How Much Will Your Education Cost?

University Costs (per year)	Living in Residence	Local Students	International Students
Tuition* (full time/five courses)	\$4,621	\$4,621	\$11,400
Residence	\$3,555-4,925		\$3,555-4,925
Meal Plans	\$2,995-3,995		\$2,995-3,995
Textbooks	\$800-1,000	\$800-1,000	\$800-1,000
Transportation/Parking**	\$200-400	\$200-400	\$200-400
University Health Insurance Plan***			\$535
<b>Total average cost****</b>	<b>\$13,591</b>	<b>\$5,744</b>	<b>\$22,013</b>

\* Brock charges per course. If you take three courses, we only charge you for three!

\*\* A bus pass is included in tuition costs for all students taking one or more credits.

\*\*\* Health Insurance is provided by the Brock University Students' Union. Students may opt out of this plan provided that proof of adequate coverage is shown.

\*\*\*\* Prices are quoted in Canadian dollars and are based on 2004-2005 costs. Tuition fees are subject to change pending Ministry approval.

We will send you detailed awards information once you have applied to Brock. For more information please visit [www.brocku.ca/studentawards/](http://www.brocku.ca/studentawards/)

complete a Student Profile at [www.brocku.ca/studentawards/](http://www.brocku.ca/studentawards/) before **March 31, 2005**.

## • Work As You Learn

You can subsidize the cost of your education by participating in a Co-op program (see page 3) or by enrolling in Brock's one-of-a-kind EXPERIENCE Plus program (see page 3).

## • Donor scholarships

You can also apply to many program specific donor sponsored scholarships. Details will be included in the information package that we will send you once you have applied to Brock, or you may visit our Web site at: [www.brocku.ca/studentawards/](http://www.brocku.ca/studentawards/)

# Become a Brock Student

## Part 1: Admission Criteria for Ontario and out of Province, Secondary School Applicants - Undergraduate (First Degree) Studies

### Ontario

Admissions information for all undergraduate programs may be found on pages 52, 53 and 54. Use these pages as a reference to find out which courses are required for admission to your program. Ontario Secondary School students must present the OSSD and complete six Grade 12 U or M courses. All required courses will be included in the calculation of your overall admission average. You can expect to receive an offer of admission to only one program. When more than one Brock program is indicated on the application, *the highest choice listed for Brock will be considered first*. If not eligible for the first choice, we will consider your subsequent choices in the order of preference that you have indicated. If you apply to only one Brock program, and do not qualify, in most cases consideration will be given for an alternate and related program. If you apply for, but are not admitted to a co-op program, you will automatically be considered for the regular non co-op program.

### All provinces and territories except Quebec

Grade 12 senior matriculation with high standing is required. Refer to the chart found on pages 52, 53 and 54 as a guideline for the types of courses that may be required for admission to your specific program.

### Quebec

CEGEP General 1 (minimum of 12 academic courses) or Grade 12 with high standing is required. Advanced standing will be considered if you have completed a two- or three-year CEGEP program with high standing, to a maximum of five Year 1 credits. Refer to the chart found on pages 52, 53 and 54 as a guideline for the types of courses that may be required for admission to your specific program.

### International Baccalaureate System

If you have been granted the IB diploma and have a cumulative grade total of 28, you may be considered for admission and may receive up to three transfer credits on the basis of higher level subjects completed with a grade of five or better.

### Advanced Placement Program

Advanced Placement courses may be used to determine your admissibility and the granting of transfer credit or exemption. If you have completed Advanced Placement courses with a minimum grade of 4, you may be eligible to receive university credit to a maximum of 2.0 Brock credits. An official AP transcript is required as part of the evaluation process.

## Part 2: United States, and International Secondary School Applicants - Undergraduate (First Degree) Studies

### United States

A Grade 12 diploma with high grades is required. If your grades are borderline, SAT scores would be helpful in the evaluation process. Refer to the chart found on 52, 53 and 54 as a guideline for the types of courses that may be required for admission to your specific program.

### Other Countries

For information on your minimum academic credential required for admission, please visit <http://www.brocku.ca/registrar/admissions/intladmissions.php>. Meeting the minimum credential does not guarantee you admission, as additional factors including academic standing, program choice, program prerequisites and English language proficiency are also part of our admission decision. Refer to the chart found on pages 52, 53 and 54 as a guideline for the types of courses that may be required for admission to your specific program.

### Language Requirements - Proof of Proficiency in English

If English is not your first language, you will need to provide proof of your English language abilities. Proof may be any of the following:

- A minimum of three years of full-time study with satisfactory academic standing in an English language school system (where the primary language of instruction and evaluation was English)
- Completion of the International Baccalaureate (IB) Diploma program where English was the language of instruction
- Achievement of an overall band score of 60, with 60 in writing, and no other under 50 on the Canadian Academic English Language Assessment (CAEL), or completion of the York English Language Test (YELT) with an overall category of 1 or 2
- The acceptable minimum test score on one of the following: TOEFL 550, TOEFL CBT 213, MELAB 85, IELTS 6.5, ITELP 575
- International students with scores below TOEFL 580, TOEFL CBT 237, MELAB 90, IELTS 7.0 or ITELP 625, are required as a condition of registration to enrol in APLS 1P90 and 1P91 in year one along with a maximum of four other credits
- Successful completion of Level 5 of Brock's Intensive English Language Program (<http://www.brocku.ca/ielp/>)

## Part 3: Admission Requirements for Applicants not Currently Enrolled in a Secondary School

### Canadian University Transfer Applicants

If you wish to transfer from a Canadian university to Brock, you must present a minimum overall average of 60 per cent, or equivalent, with higher averages required where enrolments are limited. You must also be eligible to re-register at your home institution. Transfer credit will be assessed once you have applied to Brock, and will only be granted for those courses passed which are appropriate to your chosen program. If the grading scheme from your other university differs from that of Brock University, the grades will be translated into equivalent Brock grades and admissibility and transfer credit assessed in these terms.

### Second Degree Applicants

If you are a graduate and already hold a degree from a Canadian university, you may apply for a second or subsequent undergraduate degree. You must have successfully completed your first degree with a minimum overall average of 65 per cent or equivalent, with higher averages required for some programs. A minimum number of Brock credits is required to complete a second degree.

### Canadian Colleges of Applied Arts and Technology Transfer Applicants

If you are a graduate and already hold a diploma from a Canadian college, or wish to transfer to Brock from a diploma program at a college, you must meet any one of the following requirements: Graduates of a three-year college diploma program with a 70 per cent overall, or a 70 per cent average in the last two semesters of a three-year diploma program, will be considered for admission, and may be awarded up to five credits. In some cases, where programs at the college and Brock are quite compatible, up to seven credits may be awarded.

If you have completed two years of a three-year diploma program or have graduated from a two-year program with a minimum 70 per cent overall average, you will be considered for admission and may be awarded up to three credits. In some cases, where programs at the college and Brock are quite compatible, you may be awarded up to five credits.

If you have completed one year of a college program, you may be considered for admission to first year with no transfer credits, provided that an average of 75 per cent has been achieved and the program is of an academic nature.

The awarding of transfer credit is based primarily upon the compatibility of the previous college program with the Brock program, course content, and the grades you achieved in the courses. Transfer credit will only be assessed after you have applied to Brock.

### Part-Time Applicants

If you wish to study part-time at Brock, you must meet one of the admissions criteria outlined above. If you currently hold a Grade 12 secondary school diploma (or equivalent), but do not meet any of the criteria listed above, you must apply as a mature applicant (see below).

### Mature Student Applicants

If you are not eligible for admission in any of the categories listed above, and you have been out of school for at least two years, and are at least 21 years old, you may be considered for admission as a mature applicant. If selected for admission, you would initially be limited to part-time study, and would need to achieve a minimum 60 per cent overall average on your first two credits. In support of your application, you will be asked to submit official copies of all pertinent academic records. In addition, you may be asked to submit a letter outlining your career ambitions, work experiences, and why you would be successful at university. An interview may also be required. Mature student admission is only applicable if you are a Canadian citizen or permanent resident.

## Part 4: How to Apply for Co-op

You can apply for Brock Co-op programs directly from high school. A minimum high school average of 80 per cent or greater is normally required in order to apply. You must also meet the admission requirements for the program you are interested in taking (see the admission chart on pages 52, 53 and 54). If you are accepted to the Co-op option of your degree program, you will receive a conditional offer of admission no later than June 1, 2005. International students are eligible to apply to all co-op programs, with the exception of Accounting Co-op and Political Science Co-op.

## Part 5: Admission Criteria for Graduate Studies

Specific requirements for admission are outlined in our graduate calendar at [www.brocku.ca/gradstudies/](http://www.brocku.ca/gradstudies/). Typically, you should have completed an honours undergraduate degree that is relevant to the graduate program you wish to apply for. You may access an application form online at [www.brocku.ca/gradstudies/application](http://www.brocku.ca/gradstudies/application), or by calling 905-688-5550, ext. 3239, or e-mail: [graduate@brocku.ca](mailto:graduate@brocku.ca)

## Part 6: How to Apply - Getting an Undergraduate Application Form

Your academic background and where you live will determine which application form you use to apply to Brock.

If you are applying directly from your Ontario Grade 12 secondary school year:	OUAC (Ontario Universities' Application Centre) 101 FORM Deadline: January 12, 2005	Guidance office OR Ontario Universities' Application Centre 170 Research Lane, Guelph, ON, Canada N1G 5E2, Web site: <a href="http://www.ouac.on.ca">www.ouac.on.ca</a>
U.S. applicants International applicants:	OUAC (Ontario Universities' Application Centre) 105F FORM Deadline: April 1, 2005	Brock University, Office of the Registrar - Admissions 500 Glenridge Avenue, St. Catharines, ON, Canada L2S 3A1 E-mail: <a href="mailto:admissns@brocku.ca">admissns@brocku.ca</a> Telephone: 905-688-5550, ext. 3431 Web site: <a href="http://www.brocku.ca/registrar/OR_OUAC_address">www.brocku.ca/registrar/OR_OUAC_address</a> (see above)
Canadian out-of-province applicants Canadian university transfer/second degree applicants Canadian college transfer applicants:	OUAC (Ontario Universities' Application Centre) 105D FORM Deadline: June 1, 2005	Ontario Universities' Application Centre, 170 Research Lane, Guelph, ON, Canada N1G 5E2 Web site: <a href="http://www.ouac.on.ca">www.ouac.on.ca</a>
Part-time applicants Mature student applicants (see definition of 'mature student' above):	Brock Application Deadline: Mid-August, 2005	Brock University, Office of the Registrar - Admissions 500 Glenridge Avenue, St. Catharines, ON, L2S 3A1 E-mail: <a href="mailto:admissns@brocku.ca">admissns@brocku.ca</a> Telephone: 905-688-5550, ext. 3745 Web site: <a href="http://www.brocku.ca/registrar/">www.brocku.ca/registrar/</a>

### How to find out more!

1. Visit us! See tour details page 13
2. Check out our Web site: [www.brocku.ca](http://www.brocku.ca)
3. E-mail us at [liaison@brocku.ca](mailto:liaison@brocku.ca)
4. Call Recruitment and Liaison Services at 905-688-5550, ext. 4293
5. Fill out the card found in the centre of the book

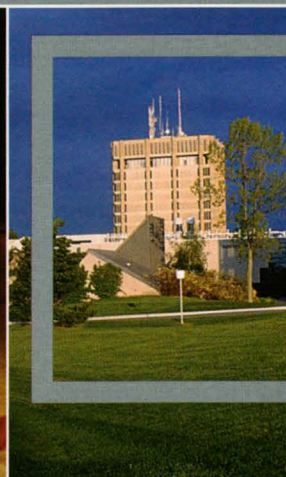
# Admission Criteria (2005 Entry)

In 2005 Ontario Secondary School students must present the OSSD and complete six 12 U or M courses\*.

Programs and Majors	Specializations	Required Grade 12 Subjects*	Strongly Recommended Grade 12 Subjects	Comments	Expected Cut-off range for 2005 Entry
<b>Faculty of Applied Health Sciences</b>					
Child Health (BA)		• 12U English, 12U biology, 12U math (MDM****)			80%
Community Health (BA)		• 12U English, 12U math (MDM****), one from 12U biology, or 12U chemistry	• 12M Science and 12U Exercise Science		mid 70s
Health Sciences (BSc)		• 12U English, 12U biology, 12U chemistry, 12U math	• 12U Exercise Science		low 80s
Kinesiology (BKin)		• 12U English, 12U math, 12U biology	• 12U Exercise Science		high 70s to low 80s
Kinesiology (BSc)		• 12U English, 12U AF&IC****, 12U biology, 12U chemistry (min 70% in chemistry)	• 12U Physics		high 70s to low 80s
Nursing (BSc)		• 12U English, 12U biology, 12U chemistry (min 70% on required courses)	• One 12U math	• First two years at Loyalist College (CAAT)	mid 70s
Physical Education (BPhEd)	Disability Studies, General Studies, Movement Studies	• 12U English	• 12U Exercise Science		high 70s to low 80s
Recreation and Leisure Studies (BRLS)	General, Outdoor Recreation, Inclusive and Therapeutic Recreation	• 12U English			mid 70s
Sport Management (BSM)		• 12U English			high 70s to low 80s
Tourism Studies (BTS)	Tourism Administration, Tourism Planning and Development	• 12U English			mid 70s
<b>Faculty of Business</b>					
Accounting (BAcc)†		• 12U English, 12U math (AF&IC**** or MDM**** preferred)	• A second 12U math	• Résumé required for co-op**	high 70s Co-op: 80%
Business Administration (BBA)†	Accounting, Entrepreneurship, Finance, General Management, Human Resource Management, International Business, Marketing, Public Administration	• 12U English, 12U math (AF&IC**** or MDM**** preferred)	• A second 12U math	• Résumé required for co-op**	high 70s Co-op: 80%
<b>Faculty of Education (Concurrent Education Programs only)</b>					
For teaching at the Intermediate/Senior level (Grades 7-12)					
BA/BEEd - Bachelor of Arts (Honours)/ Bachelor of Education (OUAC code: BAI)	<b>Majors:</b> Dramatic Arts, English, French, History, Geography, Visual Arts	• Dramatic Arts, English History, Geography, Visual Arts majors: 12U English, 12U math French majors: 12U English, 12U French or Français, 12U math • Profile questionnaire required by March 4, 2005.■		• Five-year program • Direct entry from secondary school	80% for consideration
BSc/BEEd - Bachelor of Science (Honours)/ Bachelor of Education (OUAC code: BII)	<b>Majors:</b> Biological Sciences, Chemistry, Computer Science, Geography, Mathematics, Physics	• 12U English, 12U math, as well as any other prerequisites required for intended major • Profile questionnaire required by March 4, 2005.■		• Five-year program • Direct entry from secondary school	80% for consideration
BPhEd/BEEd - Bachelor of Physical Education (Honours)/ Bachelor of Education (OUAC code: BPI)		• 12U English, 12U math • Profile questionnaire required by March 4, 2005.■		• Five-year program • Direct entry from secondary school	80% for consideration

### Important Admission Notes

- \* - All prerequisite (required) 12U or M subjects will be used in the calculation of the admission average.
- \*\* - In cases where a résumé, interviews, auditions, etc. are required, the relevant department will contact you with detailed information.
- \*\*\* - AF&IC = Advanced Functions and Introductory Calculus. G&DM = Geometry and Discrete Mathematics. MDM = Math and Data Management.
- \*\*\*\* - Applicants with 65%-69% in 12U Chemistry will be considered for admission, but will be required to pass a Chemistry proficiency test or complete Introductory Chemistry (CHEM 1P00) prior to enrolling in CHEM 1F92.
- † - Co-op is offered.
- - A Profile Questionnaire must be downloaded from [www.ed.brocku.ca/pre-service/concurrent](http://www.ed.brocku.ca/pre-service/concurrent) and submitted by March 4, 2005.



## Experience all that Brock has to offer



There is so much for you to do and see at Brock - for example:

- A world of entertainment is right at your doorstep. Centre for the Arts, Brock University, is one of Niagara's premiere venues for affordable live entertainment. Each year, the Centre presents an eclectic lineup that features professional artists of international and Canadian stature.
- Through the academic year, Sunday is movie night on campus as the Brock University Film Society (BUFS) presents a season of contemporary and award-winning films from around the world.
- Each September, Brock students share in one of the University's newest traditions - Brock Days. Joining with faculty, staff, graduates and the broader community, students are invited to participate in a range of activities to showcase the best of Brock. Held in partnership with the Niagara Wine Festival, Brock Days is a great opportunity for students to be part of one of Niagara's finest celebrations.



- The University is the host of several speaker series, open to students, and which feature presentations by well-known authors, politicians, and high-profile international and national leaders in business and industry.

• And there's more - find out for yourself as a Brock student!

Programs and Majors	Specializations	Required Grade 12 Subjects*	Strongly Recommended Grade 12 Subjects	Comments	Expected Cut-off range for 2005 Entry
For teaching at the Junior/Intermediate level (Grades 4-10 emphasizing elementary school)					
BA/BEd - Bachelor of Arts Integrated Studies (Honours)/ Bachelor of Education (OUAC code: BAJ)	<b>Teachable Subjects:</b> Dramatic Arts, English, Environment, French, Geography, History, Music, Physical Education, Visual Arts	• 12U English, 12U math • Profile questionnaire required by March 4, 2005.■		• Five-year program • Direct entry from secondary school	80% for consideration
BSc/BEd - Bachelor of Science-Integrated Studies (Honours)/Bachelor of Education (OUAC code: BIJ)	<b>Teachable Subjects:</b> Environment, Geography, Mathematics, Science	• 12U English, 12U math • Profile questionnaire required by March 4, 2005.■		• Five-year program • Direct entry from secondary school	80% for consideration
BSc/BEd - Bachelor of Science-Integrated Studies (Pass)/Bachelor of Education (OUAC Code: BSE)	Biological Sciences, Chemistry, Earth Sciences, Physics	• Minimum average of 80% on four required 12U courses, including two 12U sciences, 12U English and one 12U math (AF&IC*** required for Chemistry and Physics.) • Profile questionnaire required by March 4, 2005.■		• Four-year program • Direct entry from secondary school	80% on four required 12U courses
BSc/BEd - Bachelor of Science-Integrated Studies (Mathematics) (Pass)/ Bachelor of Education (OUAC code: BSE)		• Minimum average of 80% on four required 12U courses, including 12U AF&IC*** another 12U math (G&DM*** preferred), 12U science and 12U English. • Profile questionnaire required by March 4, 2005.■		• Four-year program • Direct entry from secondary school	80% on four required 12U courses
For teaching at the Primary/Junior level (Grades K-6)					
BA/BEd - Child and Youth (OUAC code: BD)	Apply to the BA Child and Youth Studies common first year. Students with a minimum 75% overall average in a minimum of four credits and maximum of eight, including all first-year required courses, may apply to the BA/BEd Child and Youth Studies concurrent program.			• Four-year program • Applicants must apply to Child and Youth Studies	See Child & Youth Studies under 'Social Sciences'
BPhEd/BEd - Physical Education Honours (OUAC code: BP)	Apply to the Physical Education common first year. Students with a minimum 75% overall average in the first year of Physical Education and a minimum grade of 70% in both PHEd 1P90 and 1P93, may apply to the BPhEd/BEd concurrent program.			• Five-year program • Applicants must apply to Physical Education	See Physical Education under 'Applied Health Sciences'
<b>Faculty of Humanities (Arts) (BA)</b>					
Applied Language Studies, Canadian Studies, Classics, Dramatic Arts†, English Language and Literature, French, German, Great Books/Liberal Studies, History, Italian, Music (BA, BMus), Philosophy, Spanish, Studies in Arts & Culture, Visual Arts	• <b>Applied Language Studies:</b> Linguistics, Speech & Language Sciences, Hearing Sciences, Teaching English as a Second Language • <b>Classics:</b> Classical Languages, Ancient Art and Archaeology, Classical Studies • <b>English Language and Literature:</b> English Plus, Professional Writing • <b>International Studies:</b> Minor available with all degrees • <b>Dramatic Arts:</b> Dramatic Literature, Drama in Education and Society, Theatre	• 12U English	• 12U history, 12U philosophy or 12U classical studies, an international language	• Theory placement test (Royal Conservatory Grade II level) aural skills test, Royal Conservatory IV keyboard recommended, audition for the BMUS program** • Résumé required for co-op**	mid 70s Co-op: 80%
<b>Faculty of Mathematics and Science (BSc)</b>					
Biological Sciences, Biochemistry†, Biomedical Sciences, Biotechnology†		• 12U math (min 70%), 12U chemistry**** (min 70%), two from 12U biology, a second 12U math or 12U physics	• 12U English	• For Co-op Biotechnology all required courses minimum 75% • Résumé required for co-op**	mid 70s Co-op: 80%
Chemistry†	Environmental Stream	• 12U chemistry**** (min 70%) 12U physics, two 12U maths including AF&IC*** (min 70% on at least one math required)	• 12U English, third 12U math	• Résumé required for co-op**	mid 70s Co-op: 80%
Computer Science Honours† Computer Science BSc†	Software Engineering, Intelligent Systems	• <b>BSc Honours:</b> two 12U math including AF&IC*** (min 70% on one) • <b>BSc:</b> 12U math (min 70%)	• 12U English, 12M Computer and Information Sciences	• Internship option available • Résumé required for co-op**	mid 70s Co-op: 80%
Computing and Business (BCB)†		• 12U English, two 12U maths averaging 75%	• 12M Computer and Information Sciences	• Internship option available • Résumé required for co-op**	high 70s Co-op: 80%

Programs and Majors	Specializations	Required Grade 12 Subjects	Comments	Expected Cut-off range for 2005 Entry
Computing and Mathematics Co-op†				• 12U English, 12U math • Profile questionnaire required by March 4, 2005.■
Computing and Network Communications Co-op				• 12U English, 12U math • Profile questionnaire required by March 4, 2005.■
Computing and Solid-State Device Technology†				• 12U English, 12U math • Profile questionnaire required by March 4, 2005.■
Earth Sciences†, Environmental Geosciences†				• 12U English, 12U math • Profile questionnaire required by March 4, 2005.■
Environment	• <b>Environment:</b> Biological Sciences, Chemistry, Environmental Geoscience, Physical Geography • Applied Environmental Science and Technology Co-op (AEST)†			• 12U English, 12U math • Profile questionnaire required by March 4, 2005.■
Mathematics, Mathematics Integrated with Computing and Applications (MICA)	Pure Mathematics, Statistics			• 12U English, 12U math • Profile questionnaire required by March 4, 2005.■
Neuroscience†	Neurobiology, Neuropsychology, Neuromotor			• 12U English, 12U math • Profile questionnaire required by March 4, 2005.■
Oenology and Viticulture†				• 12U English, 12U math • Profile questionnaire required by March 4, 2005.■
Physical Geography	Concentration in Geographic Information Science			• 12U English, 12U math • Profile questionnaire required by March 4, 2005.■
Physics†				• 12U English, 12U math • Profile questionnaire required by March 4, 2005.■
<b>Faculty of Social Sciences (Arts) (BA)</b>				
Business Economics (BBE)†	• Financial Economics, Consumer Economics			• 12U English, 12U math • Profile questionnaire required by March 4, 2005.■
Child and Youth Studies				• 12U English, 12U math • Profile questionnaire required by March 4, 2005.■
Communication Studies†	• Media and Culture Studies, Communications Policy, Business Communications, Information Technology			• 12U English, 12U math • Profile questionnaire required by March 4, 2005.■
Economics†				• 12U English, 12U math • Profile questionnaire required by March 4, 2005.■
Canadian Studies, Environment†, Film Studies†, Geography, International Political Economy, Labour Studies, Political Science†, Popular Culture†, Psychology†, Sociology, Women's Studies	• <b>Environment:</b> Human Geography, Political Science, Sociology • <b>Geography:</b> Concentration in Geographic Information Science • <b>Political Science:</b> Public Law • <b>Sociology:</b> Criminology, Social Justice and Equity • <b>Political Science, Sociology, or Psychology:</b>			• 12U English, 12U math • Profile questionnaire required by March 4, 2005.■
<b>Important Admission Notes for all Applicants</b>				
i) Consideration for early admission (in April) requires grades in at least three 12U/M courses and reg 12U/M final or mid-term/interim grades (including prerequisites.) Students who receive an early offer on term/interim grades. If they do not maintain the minimum average required, a revised offer will be sent.				
ii) <b>Applicants can expect to receive an offer of admission to only one program.</b> When more than one offer is received, consideration will be given to subsequent choices in the order of preference. In most cases consideration will be given for an alternate, and related program. Students who apply for, but				

For more information about Brock, please refer to: [www.brocku.ca](http://www.brocku.ca) or contact:

Recruitment and Liaison Services – Brock University,  
500 Glenridge Avenue, St. Catharines, Ontario,  
Canada L2S 3A1 905-688-5550, ext. 4293  
Fax: 905-688-4283 E-mail: [liaison@brocku.ca](mailto:liaison@brocku.ca)

Admissions: Ontario Secondary School Admissions –  
Jeanette Davis, ext. 3434, Lynn Thompson-Dovi, ext. 4666  
E-mail: [admissns@brocku.ca](mailto:admissns@brocku.ca)

University/College Transfers, Out-of-Province –  
Sandy Bolibruck, ext. 4178, Debbie Shepherd, ext. 3745  
E-mail: [admissns@brocku.ca](mailto:admissns@brocku.ca)

Scholarships and Awards – Geraldine Jones, ext. 3744  
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Co-op Programs – ext. 4325, E-mail: [co-op@brocku.ca](mailto:co-op@brocku.ca)

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E-mail: [gpowell@brocku.ca](mailto:gpowell@brocku.ca)

Department of Residences – ext. 3370  
E-mail: [res@www.brocku.ca](mailto:res@www.brocku.ca)

Off-Campus Housing – Brad Clarke, ext. 3721  
E-mail: [och@www.brocku.ca](mailto:och@www.brocku.ca)

Intensive English Language Program – ext. 4317  
E-mail: [eslbrock@brocku.ca](mailto:eslbrock@brocku.ca)

Services For Students With disAbilities –  
Judith Brooder, ext. 4122  
E-mail: [jbrooder@brocku.ca](mailto:jbrooder@brocku.ca)

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Programs and Majors	Specializations	Required Grade 12 Subjects*	Strongly Recommended Grade 12 Subjects	Comments	Expected Cut-off range for 2005 Entry
Computing and Mathematics Co-op†		• 12U English and two 12U maths (min 75% in each)		• Co-op only; résumé required for co-op**	80%
Computing and Network Communications Co-op		• 12U English and two 12U maths including AF&IC*** (min 70% on one)	• 12U Computer and Information Sciences	• Co-op only; résumé required for co-op**	80%
Computing and Solid-State Device Technology†		• Minimum 75% in 12U physics, two 12U maths including AF&IC*** (min 70% in one math)		• Résumé required for co-op**	mid 70s Co-op: 80%
Earth Sciences†, Environmental Geosciences†		• 12U math (min 70%), 12U chemistry**** (min 70%) one from 12U biology, 12U Physics, or 12U Earth and Space Science	• 12U English, second 12U math	• Résumé required for co-op**	mid 70s
Environment	• <i>Environment:</i> Biological Sciences, Chemistry, Environmental Geoscience, Physical Geography • Applied Environmental Science and Technology Co-op (AEST)†	• 12U chemistry**** (min 70%) 12U math (min 70%), plus two (one-AEST) from 12U biology, 12U geography or 12U physics		• Résumé required for co-op**	mid 70s Co-op: 80%
Mathematics, Mathematics Integrated with Computing and Applications (MICA)	Pure Mathematics, Statistics	• 12U AF&IC*** and a second 12U math (G&DM preferred) min 70% in each	• 12U English		mid 70s
Neuroscience†	Neurobiology, Neuropsychology, Neuromotor	• 12U biology, 12U chemistry**** (min 70%), either one 12U math (min 70%) or 12U physics	• 12U English	• Résumé required for co-op**	mid 70s Co-op: 80%
Oenology and Viticulture†		• 12U math (min 70%), 12U chemistry**** (min 70%), two from 12U biology, 12U physics, or a second 12U math		• Co-op only; résumé required for co-op**	80%
Physical Geography	Concentration in Geographic Information Science	• 12U math (min 70%), one from 12U biology, 12U physics, 12U chemistry**** (min 70%) or 12U Earth and Space Science	• 12U English	• Geographic Information Science Specialization joint program with Niagara College (CAAT)	mid 70s
Physics†		• 12U Chemistry****, (min 70%) 12U physics, and two 12U math including AF&IC*** (min 70% in one math)	• Third 12U math, 12U English	• Résumé required for co-op**	mid 70s Co-op: 80%

### Faculty of Social Sciences (Arts) (BA)

Business Economics (BBE)†	• Financial Economics, Consumer Economics	• 12U English, 12U math (min 65%)		• Résumé required for co-op**	mid 70s Co-op: 80%
Child and Youth Studies		• 12U English	• one 12U math (MDM preferred)		low 80s
Communication Studies†	• Media and Culture Studies, Communications Policy, Business Communications, Information Technology	• 12U English		• Résumé required for co-op**	mid 70s Co-op: 80%
Economics†		• 12U English, 12U math (min 65%)		• Résumé required for co-op**	mid 70s Co-op: 80%
Canadian Studies, Environment†, Film Studies†, Geography, International Political Economy, Labour Studies, Political Science†, Popular Culture†, Psychology†, Sociology, Women's Studies	• <i>Environment:</i> Human Geography, Political Science, Sociology • <i>Geography:</i> Concentration in Geographic Information Science  • Information Science • <i>Political Science:</i> Public Law • <i>Sociology:</i> Criminology, Social Justice and Equity • <i>Political Science, Sociology; or Psychology:</i>	• 12U English	• psychology majors: 12U math (MDM preferred)	• Résumé required for co-op**	mid 70s Co-op: 80%

#### Important Admission Notes for all Applicants

- Consideration for early admission (in April) requires grades in at least three 12U/M courses and registration in sufficient 12U/M courses for a total of six. Subsequent offers (in May) will be based on six 12U/M final or mid-term/interim grades (including prerequisites.) Students who receive an early offer must maintain the minimum average required for their program upon receipt of second semester, mid-term/interim grades. If they do not maintain the minimum average required, a revised offer will be sent in May.
- Applicants can expect to receive an offer of admission to only one program. When more than one Brock program is indicated on the application, the highest choice listed for Brock will be considered first. If not eligible for the first choice, consideration will be given to subsequent choices in the order of preference the applicant has indicated. If an applicant applies to only one Brock program, and does not qualify, in most cases consideration will be given for an alternate, and related program. Students who apply for, but are not admitted to a co-op program, will automatically be considered for the regular non co-op program.

## IMPORTANT DATES

**September 1-15, 2004** – The Ontario Universities' Application Centre (OUAC) circulates INFO magazine to Ontario secondary schools for distribution to all potential university applicants.

**September 24-26, 2004** – Ontario Universities' Fair is held at the Metro Toronto Convention Centre.

**October 4, 2004** – 101 application forms become available from OUAC (international students can apply directly to Brock at any time).

**October 17, 2004** – Brock Fall Preview Day, 1 p.m. - 4 p.m.

**January 12, 2005** – Deadline for Ontario secondary school students to submit their 101 application forms to OUAC (out-of-province students should attempt to submit their applications around the same time).

**January 2005** – The earliest date out-of-province (Canadian), and international students can expect an offer of admission from Brock for September. Don't forget to respond by the dates specified in your offer!

**March 4, 2005** – Deadline for submission of profile questionnaires for concurrent education applicants.

**March 13, 2005** – Brock Open House, Noon - 4 p.m.

**April 2005** – Early offers of admission, entrance scholarship offers, and co-op offers are sent to Ontario secondary school applicants.

**May 13, 2005** – The earliest date by which Ontario universities may require a response to an offer of admission from any Ontario Secondary School student.

**May 2005** – Second round of offers are sent to Ontario secondary school applicants.

**June 13, 2005** – Ontario secondary school students are required to respond to our offer of admission.

**June 13, 2005** – Residence applications and deposits are due.

**June 20-August 12, 2005** – SMARTStart - A day-long orientation program held for all first-year students and their parents.

**June 14, 2005** – OSAP applications due.

**September 5, 2005** – Move into residence.

**September 6-7, 2005** – Orientation.

**September 8, 2005** – First day of classes.



# Brock University

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