

The academic program descriptions list below displays the different programs that students can enter. The information found below for each program are common examples, however different universities/colleges may have varied faculty, degree, major, course name/availabilities. The list below can be used as a general guide for students, counsellors and parents when starting off University/College planning, however to get specifics for individual universities/colleges, the schools’ websites should be visited.

Each program description will include the program’s:

Rosedale Pathways: which Rosedale Pathways this program belongs to

Faculty or Department or School: a division within a university comprising of similar subject areas

Credentials to be Received: the credentials received at graduation.

Typical OSSD Admission Requirements: which Grade 12 OSSD courses students should take to enter the program

Majors Available: a specialization in a particular subject that is within the program. They are also known as specializations, concentrations, and options.

Sample First-Year Courses: Examples of courses that students may need to take in their first year

Career Examples: potential careers that students can enter following graduation with this program degree.

Institution & Program Examples: Examples of Canadian schools that offer the program & program name

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Biology

Rosedale Pathways: Environment & Agricultural Systems/Health Sciences

Faculty: Science

Degree: Bachelor of Science

Typical OSSD Admission Requirement: ENG4U, MHF4U, MCV4U, 2 of SCH4U, SBI4U or SPH4U, 1 additional 4U/M course

Program Description

Biology is the study of living organisms. By understanding and defining what constitutes life, students are able to study individual components of organisms while understanding the relation to the whole organism. Students will study the many levels of biological organization, from the molecular level to the biosphere. Laboratory work, combined with practical field experience, allow students to directly engage in research.

Majors can include: Animal Biology, Biotechnology, Microbiology, Molecular genetics, Plant Biology, Bioinformatics and Computational Biology, Biophysics, Psychology

*In Canada, students interested in being a doctor must complete 3-4 years of a Bachelor’s degree, then apply to Medical School. Students tend to take their undergraduate degree in Biology or Health Sciences.

**Most students who graduate with a Bachelor of Science will need to do a Graduate (Masters or PHD) or professional degree to move onto their careers.

Sample First-Year Courses: Zoology, Cell Biology, General Chemistry, Physics, Mathematics, Ecology, Plant Structure & Function, Psychology

Career Examples:

With only an undergraduate degree: animal care worker, clinical research assistant, forensic laboratory analyst, health care administrator, lab technician,

With additional study: Microbiologist, Researcher, Genetic Counsellor, Zoologist, Toxicologist, Bioinformatics Specialist, Veterinarian, Ecologist, Physician

Examples of Schools & Programs:

Institution	Faculty	Program Name/Majors Available	Credentials to be Received
University of British Columbia	Science	Biology Majors include: Animal Biology, Conservation Biology, Computer Science & Biology, Marine Biology, Plant Biology	• Bachelor of Science
University of Calgary	Science	Biological Sciences	• Bachelor of Science
Dalhousie University	Science	Biology	• Bachelor of Science

University of Guelph	Science	<p>Science</p> <p>Common first year courses, but choose major during application. Majors include: Animal Biology, Biodiversity, Molecular Biology and Genetics, Plant Science</p>	<ul style="list-style-type: none"> Bachelor of Science
St. Lawrence College	Science	<p>Biotechnology</p> <p>Joint program with Queen’s University. 3 years at St. Lawrence College to receive a diploma, then move onto Queen’s for 2 years to complete the degree.</p>	<ul style="list-style-type: none"> Biotechnology Advanced Diploma AND Bachelor of Science (Honours), Specialization in Biotechnology

Business Administration

Rosedale Pathway: Business, Marketing & Management

Faculty: Business, Commerce

Degree: Bachelor of Business Administration (BBA), Bachelor of Commerce (BComm), Bachelor of Management & Organizational Studies (BMOS)

Typical OSSD Admission Requirement: ENG4U, MHF4U, MCV4U, MDM4U (recommended), 2 additional 4U/M courses

Program Description:

Whether you wish to work for a large multinational company, to run a not-for-profit organization, or to start your own small business, a business degree will give you the knowledge and skills you will need. Business students take courses in accounting, communications, entrepreneurship, finance, management, marketing, organizational behavior and strategy as well as a variety of courses of their choice in the arts and sciences.

In most Business programs, students enter a general first year of Business studies, and then following this general first year, they will then choose the major/specialization they are interested in. However, there are some schools that offer Direct Entry Majors.

Majors Include: Accounting, Economics, Entrepreneurship, Finance, Human Resource Management, Marketing, Management

Sample First-Year Courses: Introductory to Financial Accounting, Business Statistics, Microeconomics, Macroeconomics, Principles of Marketing, Global Management

Career Examples: Data Scientist, Management Consultant, Project Manager, Market Researcher, Supply Chain Manager, Business Analyst, Insurance Underwriter, Finance Analyst

Examples of Schools & Programs

Institution	Faculty	Program Name/Majors Available	Credentials to be Received
University of Toronto (ON)	Faculty of Arts & Sciences – Rotman Commerce	Rotman Commerce Specializations include: Accounting, Finance and Economics, Management	<ul style="list-style-type: none"> Bachelor of Commerce (BCom)
Wilfrid Laurier University (ON)	Lazaridis School of Business & Economics	Business Administration Specializations include: Accounting, Marketing Communications, Entrepreneurship, International Business, etc.	<ul style="list-style-type: none"> Bachelor of Business Administration (BBA)
University of Alberta (AB)	Faculty of Business	Business Studies No admission directly from high school. Students first complete a year in university in another faculty then apply in second year.	<ul style="list-style-type: none"> Bachelor of Commerce (BCom)
King’s University College (Western University) (ON)	Management & Organizational Studies	Management & Organizational Studies Specializations include: Accounting, Global Commerce, Human Resources, Finance and Administration Students can apply for AEO (Advanced Entry Opportunity) into Western’s Ivey Honours Business Administration program. If accepted for AEO, students do two years at King’s, then they move onto Ivey business for the next two years. AEO applications require strong academics (90%+) and strong leadership skills.	<ul style="list-style-type: none"> Bachelor of Management and Organizational Studies (BMOS)
Niagara College	School of Hospitality, Tourism & Sport	Sport Management 3 year program	<ul style="list-style-type: none"> Sport Management Diploma

Communications & Media Studies

Rosedale Pathway: Communication & Information Systems/ Business, Marketing & Management

Faculty: Arts, Liberal Arts

Degree: Bachelor of Arts

Typical OSSD Admission Requirement: ENG4U, 5 additional 4U/M courses

Program Description

Media delivers information to society and humans engage in all modes of communication to shape their interactions. This program is designed to give students the critical skills needed to negotiate the communication demands and challenges of contemporary industries that teach how to understand the changing mediascape affecting society. Students will learn how to examine the influence of advertising and ideology, the political economy of media corporations and the principles of multimedia design.

Sample First-Year Courses: Creative Processes, Introduction to Media Theory and Practice, Digital Media, Professional Writing, Language & Power, Graphic Communications, Principles of Marketing, Design & Layout

Career Examples: Communications Director, Media Consultant, Social & Digital Media Officer, Public Relations Specialist, Content Developer, Journalist, Advertising & Marketing Executive, Production Manager, App Developer, Graphic Designer

Examples of Schools & Programs

Institution	Faculty	Program Name/Majors Available	Credentials to be Received
Ryerson University (ON)	Faculty of Communication & Design: School of Graphic Communications Management	Graphic Communications Management	<ul style="list-style-type: none"> Bachelor of Technology (BTech)
Carleton University (ON)	School of Journalism & Communication	Communication & Media Studies	<ul style="list-style-type: none"> Bachelor of Communication and Media Studies (BCoMS)
Concordia University (QC)	Faculty of Arts & Sciences	Communication Studies	<ul style="list-style-type: none"> Bachelor of Arts
Mount Royal University (AB)	School of Communication Studies	Public Relations	<ul style="list-style-type: none"> Bachelor of Communication
Humber College (ON)	School of Media Studies	Media Communications 2 years, has a mandatory work placement	<ul style="list-style-type: none"> Media Communications Diploma

Computer Science

Rosedale Pathway: Communication & Information Systems/Industrial, Manufacturing & Engineering Systems

Faculty: Arts & Sciences, Mathematics

Degree: Bachelor of Science

Typical OSSD Admission Requirement: ENG4U, MHF4U, MCV4U, SPH4U (recommended), 2 additional 4U/M courses

Program Description:

Explore and develop applications that manipulate the speed and power of digital computation, design new models of computation, and uncover new methods of problem-solving. Students will learn the languages needed to explore different programming paradigms, develop and understand the algorithms behind new technology.

Differences between Computer Science and Computer Engineering:

Computer Engineering concentrates on designing, developing and operating computer systems, it focuses on designing and building computer hardware and software, while Computer Science concentrates on understanding, designing and developing the programming, and focuses on the theory, algorithms, program languages and computer architecture.

For example, the building of an iPhone requires both computer scientists and computer engineers:

Computer Engineers designed the chips that house the integrated circuits that make the iPhone's various components (cell radio, screen, controls, memory, microprocessor) function, and they figured out how to get the various components to work with each other. Computer Scientists wrote the operating system that manages the memory and concurrently running applications, the apps in the app store that run on top of that operating system, and the encrypting of data.

Sample First-Year Courses: Designing Functional Programs, Algebra, Calculus, Algorithm Design, Computer Organization

Career Examples: Computer Security, Software Engineer, Computer Scientist, Database Administrator, Software Application Developer, Research Scientist, Mobile Application Developer, Web Developer, Product Manager

Examples of Schools & Programs:

Institution	Faculty	Program Name/Majors Available	Credentials to be Received
Waterloo University (ON)	Faculty of Mathematics	Computer Science	<ul style="list-style-type: none"> Bachelor of Computer Science Bachelor of Mathematics
Wilfrid Laurier University (ON)	Faculty of Science	Computer Science	<ul style="list-style-type: none"> Bachelor of Arts Bachelor of Science
Dalhousie University (NS)	Faculty of Computer Science	Applied Computer Science	<ul style="list-style-type: none"> Bachelor of Applied Computer Science (BACSC)
University of Alberta (AB)	Faculty of Science	Computing Science	<ul style="list-style-type: none"> Bachelor of Science

		Can minor in Business or specialize in Software Practice	
Sheridan College	Faculty of Applied Science & Technology	Mobile Computing 4 years	<ul style="list-style-type: none"> Honours Bachelor of Computer Science

Creative Arts, Design (Music, Art, Dance, Theatre)

Rosedale Pathway: **Communication & Information Systems**

Faculty: Fine Arts, Design

Degree: Bachelor of Fine Arts, Bachelor of Arts

Typical OSSD Admission Requirement: ENG4U, 5 additional 4U/M course

Program Description:

For students interested in a career where they have a talent in the visual or performing arts. Many schools offer a combination of creative majors in design, dance, music, studio art, theatre, and much more. School utilize hands-on experiences in research facilities, studios, concert halls, and design labs.

To enter these programs students will typically need to submit as part of their application an art portfolio or a Performance Display/Interview.

Majors include: Studio Art, Art History, Dance, Interior Design, Graphic Design, Industrial Design, Fashion Design, Motion Picture Arts, Music Education, Theatre Studies

Sample First-Year Courses: Studio Fundamentals, Art History, Modern Art, World Cinema, Elements of Production, Creative Performance Studies

Career Examples: Professional Musician, Choral Director, Music Industry Worker, Actor, Director, Film Industry Worker, Fashion Designer, Product Developer, Art Historian

Examples of Schools & Programs:

Institution	Faculty	Program Name/Majors Available	Credentials to be Received
Ryerson University (ON)	Faculty of Communication & Design: RTA - School of Media	New Media Concentrations in Critical Media Theory, Social Media, Narrative Media, Tangible Media, Computational Media	<ul style="list-style-type: none"> Bachelor of Fine Arts (BFA)
University of Toronto (ON)	Faculty of Arts & Science - Cinema Studies Institute	Cinema Studies	<ul style="list-style-type: none"> Bachelor of Arts

OCAD University (ON)	OCAD is an Art University – Faculties Include: Faculty of Art, Faculty of Design	Examples of programs: Illustration, Graphic Design, Environmental Design, Advertising, Photography, Creative Writing, Integrated Media	<ul style="list-style-type: none"> • Bachelor of Fine Arts (BFA) • Bachelor of Design (BDes)
Emily Carr University (BC)	Emily Carr is an Art University – Faculties Include	Examples of programs: Industrial Design, Interaction Design, 3D Computer Animation, Film & Screen Arts	<ul style="list-style-type: none"> • Bachelor of Fine Arts (BFA) • Bachelor of Design (BDes) • Bachelor of Media Arts (BMA)
Vancouver Film School (BC)		Film Production 1 year program	<ul style="list-style-type: none"> • Diploma in Film Production

Economics

Rosedale Pathway: Human Services & Resources/**Business, Marketing & Management Pathway**

Faculty: Social Sciences

Degree: Bachelor of Arts (Some schools offer it as a Bachelor of Science)

Typical OSSD Admission Requirement: ENG4U, MHF4U, 4 additional 4U/M courses

Program Description

Economics is the study of humanity in the ordinary business of life. It seeks to establish principles for investigating how resource constraints influence the behaviour of individuals, firms, organizations and the government. In some universities, there is a deliberate blending of theory with application, providing students with the analytical tools required for a greater understanding of economic relations and motivations. It shows how and where these tools can be applied in the economic, social and political dimensions of society. Students can combine economics with other areas of study including business, mathematics or computer science. Economics often leads to careers in banking, provincial, federal and municipal governments, law, consulting and numerous private sector firms, or to graduate studies in such fields as economics, public policy, international relations, environmental policy and law.

Sample First-Year Courses: Microeconomics, Macroeconomics, Mathematics for Economics, Critical Thinking, Statistics

Career Examples: Financial Analyst, Statistician, International Trade Specialist, Market Research Analyst, Actuary, Economist, Policy Planners

Examples of Schools & Programs:

Institution	Faculty	Program Name/Majors Available	Credentials to be Received
Wilfrid Laurier University (ON)	Lazaridis School of Business & Economics	Economics Can specialize in Financial Management, and Accounting	• Bachelor of Arts
Ryerson University (ON)	Faculty of Arts	International Economics & Finance	• Bachelor of Arts
University of Regina (SK)	Faculty of Arts	Philosophy, Politics and Economics	• Bachelor of Arts
Simon Fraser University (BC)	Faculty of Arts & Social Sciences	Economics	• Bachelor of Arts

Education

Rosedale Pathway: Human Services & Resources/**Business, Marketing & Management Pathway**

In Canada, students cannot enter a Bachelor of Education (BEd) program directly from High School. Students must do 4 years of an undergraduate degree first and then apply to enter a 2-year BEd program. Alternatively, students who are interested in working with pre-school children can take a direct-entry program in university/college in Early Child Education or Child & Youth Studies.

Many schools now offer a direct-entry **concurrent education** program, where students earn two degrees at the same time. Courses will be taken in both the Faculty of Education and the faculty offering the students' program of interest throughout the first 4 years, and then they automatically enter into the two years in the Faculty of Education to receive the BEd degree.

Students should take their academic undergraduate degree in the field that they are interested in teaching.

Faculty: Education, Arts

Degree: Bachelor of Arts, Bachelor of Education (If doing Concurrent Education)

Typical OSSD Admission Requirement: ENG4U + 5 4U/M courses (requirements for the academic program students are interested in must be met)

Career Examples: Counsellor, Child & Youth Worker, Teacher, Child Protection Worker, Researcher, Youth Program Developer, Social Worker, Policy Analyst, Adult Education Trainer, Corporate Trainer

Examples of Schools & Programs:

Institution	Faculty	Program Name/Majors Available	Credentials to be Received
Brock University (ON)	Education	Concurrent Education	<ul style="list-style-type: none"> Bachelor of Arts/Science & Bachelor of Education (6 years)
University of Ontario Institute of Technology	Education	Concurrent Education	<ul style="list-style-type: none"> Bachelor of Arts/Science & Bachelor of Education (6 years)
Ryerson University (ON)	Faculty of Community Service	Child & Youth Care	<ul style="list-style-type: none"> Bachelor of Arts
Capilano University (BC)	Faculty of Education, Healthy & Human Development	Early Childhood Care & Education	<ul style="list-style-type: none"> Bachelor of Early Childhood Care and Education (BCCE)
Seneca College	Early Childhood Education	Child Development 4 years, has a mandatory work term	<ul style="list-style-type: none"> Honours Bachelor of Child Development (BCD)

Engineering

Rosedale Pathway: Industrial, Manufacturing & Engineering Systems

Faculty: Applied Science

Degree: Bachelor of Applied Science (BASc), Bachelor of Engineering (BEng)

Typical OSSD Admission Requirement: ENG4U, MHF4U, MCV4U, SPH4U, SCH4U, 1 additional 4U/M courses

Program Description: Engineers are the artists of science. Through the process of design, they apply science to develop innovative solutions to problems. The integration of curriculum and technology exposes students to various computer applications employed in the private and public sectors. Numerous branches of engineering provide students diversity in their profession of choice.

The main 4 Engineering Disciplines include:

Civil Engineering: the design and maintenance of infrastructure that society depends on: buildings, bridges, highways, airports, tunnels, dams, pollution-control facilities and more. Due to their knowledge in materials and the environment, civil engineers are used to help analyze problems like coastal erosion or protect buildings from earthquakes.

Mechanical Engineering: This is considered the broadest of engineering disciplines because there are many overlaps into many other existing engineering disciplines. Mechanical Engineers work in all kinds of fields, constantly looking for ways to make machinery faster, lighter, cleaner and more reliable.

Electrical Engineering: The focus is on all things electrical or electronics-related. This includes electronic devices, electrical systems, electrical energy, etc. Electrical engineers design, develop, and with electrical systems. This could be to help develop efficient power methods and performance applications to help improve electronic system performance.

Computer Engineering: Computer engineering bleeds into electrical engineering a little, but its main focus is to design and integrate computer systems, combining the worlds of hardware and software components.

* See the Computer Science section to learn more about differences between Computer Engineering & Computer Science

Other more specialized forms of Engineering include:

Chemical, Biomedical, Industrial, Environmental, Geological, Geomatics, Mining, Forest, Biological, Software or Metallurgical Engineering.

Sample First-Year Courses: Chemistry, Mechanics, Linear Algebra, Calculus, Computational Methods, Structure & Properties of Materials, Linear Circuits

Career Examples: Site Supervisor, Structural Engineer, Coastal Engineer, Structural Designer, Electrical Control & Design Engineer, Software Developer, Energy Analyst

Examples of Schools & Programs:

Institution	Faculty	Program Name/Majors Available	Credentials to be Received
University of Ontario Institute of Technology (ON)	Engineering & Applied Science	Engineering programs include: Automotive, Electrical, Mechatronics, Mechanical, Software Engineering	<ul style="list-style-type: none"> Bachelor of Engineering
Waterloo University (ON)	Engineering	Engineering Programs include: Civil, Environmental, Mechatronics, Management, Nantechnology, Biomedical Engineering	<ul style="list-style-type: none"> Bachelor of Applied Science
Lakehead University (ON)	Engineering	Engineering Programs include: Chemical, Civil, Electrical, Mechanical Engineering	<ul style="list-style-type: none"> Bachelor of Engineering
University of Calgary (AB)	Schulic School of Engineering	Engineering Programs include: Chemical, Electrical, Civil, Geomatics, Oil & Gas, Mechanical, Energy Engineering	<ul style="list-style-type: none"> BSc in Engineering
Camosun College (BC)		<p>Engineering Bridge</p> <p>Students spend 3 years at Camosun and receive an Advanced Diploma, then they move directly into 3rd year Engineering at UBC or University of Victoria.</p>	<ul style="list-style-type: none"> Advanced Diploma in Engineering AND Bachelor of Applied Science/Engineering

Environmental Science

Rosedale Pathway: Environment & Agricultural Systems

Faculty: Science

Degree: Bachelor of Science (BSc), Bachelor of Environment

Typical OSSD Admission Requirement: ENG4U, MHF4U, MCV4U, SCH4U, SBI4U or SPH4U, 1 additional 4U/M course

Program Description

Environmental Science is the study of the relationships and interactions among organisms, their environment and human activity. Understanding and solving the problems associated with how humans impact the environment, requires a multidisciplinary approach involving Biology, Chemistry and Geology. Students are presented with actual environmental/ scientific issues and under the leadership of faculty, develop the expertise to apply their knowledge to problems. Curriculum is integrated with technology and field work, giving students the hands-on experience necessary to conduct individual research and acquire investigative and experimental skills. Environmental Science offers students the option to pursue graduate studies or secure employment in a variety of fields such as agriculture, fisheries, government labs and agencies, natural resources, policy and planning, resource conservation and remediation.

Sample First-Year Courses: Diversity of Life, Chemical Reactions, Physics, Calculus, Physical & Chemical Properties of Matter, Ecology, Natural Resource Management

Career Examples: Urban and Regional Planner, Environmental Protection Officer, Environmental Scientist, Research & Development Technician

Institution	Faculty	Program Name/Majors Available	Credentials to be Received
University of Guelph (ON)	School of Environmental Sciences	Environmental Sciences Majors include: Ecology, Environment & Resource Management, Environmental Economics & Policies	<ul style="list-style-type: none"> Bachelor of Science in Environmental Sciences
University of British Columbia (BC)	Science	Earth and Ocean Sciences	<ul style="list-style-type: none"> Bachelor of Science
McGill University (QC)	Faculty of Agriculture and Environmental Science	Agriculture & Environmental Science Majors include: Agricultural Economics, Agro-environmental Sciences, Environmental Biology, Global Food Security	<ul style="list-style-type: none"> Bachelor of Science in Agriculture and Environmental Science (BSc (Ag.Env.Sc.))
Simon Fraser University (BC)	Faculty of Environment	Environmental Science Concentrations include: Applied Biology, Environment Earth Systems, Environmetrics, Water Science	<ul style="list-style-type: none"> Bachelor of Science

Cambrian College (ON)	Safety & Environmental Studies	Environmental Technician 2 years with 6-week internship	<ul style="list-style-type: none"> Environmental Technician Diploma
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Health Sciences/Life Sciences

Rosedale Pathway: Health Sciences

Faculty: Science

Degree: Bachelor of Science (BSc), Bachelor of Health Science (BHSc)

Typical OSSD Admission Requirement: ENG4U, SCH4U, SBI4U, MHF4U, 2 additional 4U/M courses

Program Description:

This program is for students with an interest in wellness, illness, and medicine. This program begins education at the cellular level. This program is ideal for students who want to focus on research and healthcare.

*In Canada, students interested in being a doctor must complete 3-4 years of a Bachelor's degree, then apply to Medical School. Students tend to take their undergraduate degree in Biology or Health Sciences.

**Most students who graduate with a Bachelor of Science will need to do a Graduate (Masters or PHD) or professional degree to move onto their careers.

Sample First-Year Courses: Cellular and Molecular Biology, Chemistry, Physics, Genetics, Organic Chemistry, Psychology

Career Examples: Physician, Physiotherapist, Dentistry, Pharmacist, Forensic Lab Analyst, Geneticist, Public Health Policy Analyst

Examples of Schools & Programs:

Institution	Faculty	Program Name/Majors Available	Credentials to be Received
Queen's University (ON)	Arts & Sciences	Life Sciences	<ul style="list-style-type: none"> Bachelor of Science
McMaster University (ON)	Health Sciences	Health Sciences	<ul style="list-style-type: none"> Bachelor of Health Sciences (BHSc)
University of Victoria (BC)	Health & Life Sciences	Kinesiology	<ul style="list-style-type: none"> Bachelor of Science
University of Saskatchewan (SK)	College of Arts & Science	Physiology & Pharmacology	<ul style="list-style-type: none"> Bachelor of Science
Conestoga College (ON)	School of Health & Life Sciences	Health Care Administration and Service Management 2 years	<ul style="list-style-type: none"> Health Care Administration and Service Management Diploma

Humanities and Social Studies

Rosedale Pathway: Human Services & Resources/Environment & Agricultural Systems/Communication & Information Systems

Faculty: Social Sciences, Arts & Sciences

Degree: Bachelor of Arts

Typical OSSD Admission Requirement: ENG4U, 5 additional 4U/M courses

Includes the study of culture, arts, literature, writing or language. Humanities and social studies based majors develop students’ analytical and critical thinking skills while giving students the opportunity to delve into the intellectual expression and cultural practices of the ancient and modern worlds. A strong humanities and social studies background provides the foundation for many professional fields including teaching, journalism, law, arts administration, and government service.

Programs within this field include: Asian Studies, Languages, Religion, Communications, English Studies, History, International Affairs, International Development, Philosophy, Political Studies, Sociology, Psychology

Sample First-Year Courses: Sociology, Critical Thinking, Academic Writing & Research, Philosophy

Career Examples: Museum Curator, Teacher, Lawyer, Information Specialist, Researcher, Politicians, Community Engagement Coordinator, Policy Researcher, Public Relations Officer

Institution	Faculty	Program Name/Majors Available	Credentials to be Received
York University	Faculty of Liberal Arts & Professional Studies	Criminology	• Bachelor of Arts
King’s University College (Western University)	Faculty of Social Sciences	History	• Bachelor of Arts
St. Thomas University (NB)	Humanities Department	Philosophy	• Bachelor of Arts
Trent University (ON)	Faculty of Sociology	Sociology With specializations in Criminology & Socio-Legal Studies or Health Studies	• Bachelor of Arts
George Brown College	School of Social and Community Services	Social Service Worker 2 years	• Social Service Worker Diploma

Hospitality and Tourism

Rosedale Pathway: Human Services & Resources/**Business, Marketing & Management Pathway**

Faculty: Business, Arts & Sciences

Degree: Bachelor of Hospitality Management, Bachelor of Commerce (BComm), Bachelor of Arts (BA)

Typical OSSD Admission Requirement: ENG4U, MHF4U, MCV4U, MDM4U (recommended), 2 additional 4U/M courses

Program Description:

This is a multidisciplinary field of study with the purpose of preparing people with the expertise, commitment, and skills for management, marketing, and operations positions in the expanding industry that provides food, accommodations, and tourism services to people away from home. As a field of study, it draws upon a wide range of basic disciplines to provide the fundamental knowledge and skills that are required to fulfill the diverse demands placed upon individuals in management positions within the hospitality industry.

Sample First-Year Courses: Microeconomics, Food Service Operation & Control, Tourism, Statistics, Business Law

Career Examples: Event Planner, Restaurateur, Purchasing Agents, Travel Agents, Hotel General Manager, Wedding Coordinator, Chef, Front Desk Attendant, Meeting Coordinator, Conservation Officer

Examples of Schools & Programs:

Institution	Faculty	Program Name/Majors Available	Credentials to be Received
Brock University (ON)	Faculty of Social Sciences	Tourism Studies	<ul style="list-style-type: none"> Bachelor of Arts
Lakehead University (ON)	Faculty of Social Sciences & Humanities	Outdoor Recreation Parks & Tourism	<ul style="list-style-type: none"> Bachelor of Outdoor Recreation Bachelor of Arts
Thompson Rivers University (BC)		Tourism Management Concentrations include: Adventure Studies, Festivals & Events, Resort Experience	<ul style="list-style-type: none"> Bachelor of Tourism Management (BTM)
University of Guelph (ON)	Faculty of Commerce	Commerce Major in Hospitality and Tourism Management	<ul style="list-style-type: none"> Bachelor of Commerce
Humber College	School of Hospitality, Recreation & Tourism	Baking & Pastry Arts Management 2 years	<ul style="list-style-type: none"> Baking & Pastry Arts Management Diploma

Nutrition & Dietetics

Rosedale Pathway: Human Services & Resources/Health Sciences

Faculty: Science

Degree: Bachelor of Science in Nutrition

Typical OSSD Admission Requirement: ENG4U, SBI4U, SCH4U, MHF4U (recommended), 2 additional 4U/M courses

Program Description

Nutrition and Dietetics is the scientific study of food intake and human physiology. Students focus on nutrition, food safety, composition and policy. They study the biological and chemical aspects of nutritional sciences while integrating the psychological and sociological components of human well-being. Students are taught how to improve the quality of life for self, clients and community by motivating clientele and communicating the science behind food consumption. They also help others to gain an understanding of the composition and attributes of food.

*The difference between Nutrition and Dietetics is that dietetics is considered a professional program. Dietitians are a provincially regulated health professional and in most provinces in Canada are given a specific designation (Registered Dietitian – RD). To become a dietitian, students must take a licensed dietetics program.

Sample First-Year Courses: Microeconomics, Macroeconomics, Mathematics for Economics, Critical Thinking, Statistics

Career Examples: Dietician, Health Consultant, Health Educator, nutritionist

Examples of Schools & Programs:

Institution	Faculty	Program Name/Majors	Degrees Available
McGill University	Faculty of Agriculture & Environmental Sciences: School of Human Nutrition	Nutritional Sciences Majors Available: Dietetics (licensed), Nutrition, Global Food Security	<ul style="list-style-type: none"> Bachelor of Science in Nutritional Science
Brescia University College (Western University)	School of Food & Nutritional Sciences	4 programs within this School: <ul style="list-style-type: none"> - Nutrition & Dietetics (licensed) - Food Science & Technology - Food & Nutrition - Dual Degree with Honours Business Administration (Through Western University) 	<ul style="list-style-type: none"> BSc in Nutrition & Dietetics BSc in Food Science & Technology BA in Nutrition and Family Bachelor of Management & Organizational Studies (BMOS) in Food Management Dual Degree: BSc in Nutrition & Dietetics & BA in Honours Business Administration

Acadia University (NS)	School of Nutrition & Dietetics	Nutrition Options available: Dietetics (licensed), Biology Major, Chemistry Major, Psychology Major, Consumer Food, Kinesiology	<ul style="list-style-type: none"> BSc in Nutrition
University of British Columbia (BC)	Faculty of Land & Food Systems	Food, Nutrition & Health Majors offered: Dietetics; Food Science; Food, Nutrition & Health; Food Market Analysis; Nutritional Sciences	<ul style="list-style-type: none"> Bachelor of Science

Psychology

Rosedale Pathway: Human Services & Resources/Health Sciences

Faculty: Science, Arts

Degree: Bachelor of Science (BSc), Bachelor of Arts (BA)

Typical OSSD Admission Requirement:

BSc: ENG4U, MHF4U, MCV4U, SBI4U, 1 of SCH4U or SPH4U, 1 additional 4U/M course

BA: ENG4U, 5 additional 4U/M course

Program Description

Most universities will offer their Psychology program under the Arts Faculty AND under the Science Faculty.

For the BA Psychology program, explore the frontiers of the mind. Examine human behaviour from a variety of perspectives, including neuroscience, cognition, clinical, developmental, industrial/organizational, and social psychology.

For the BSc Psychology Program, you'll take a blend of psychology, science, and math courses with an emphasis on research methods and data analysis. You'll also have the chance to work in small groups, and get hands-on laboratory training. It is the starting point for a career in behavioural neuroscience, forensic psychology, or cognitive psychology — or for a medical career specializing in neurology, psychology, or pediatrics.

Sample First-Year Courses:

BSc: Calculus, Introduction to Psychology, Chemical Reactions, Physical and Chemical Properties of Matter, Biology

BA: Introduction to Psychology, Social Psychology, Organizational Psychology, Cognitive Processes

Career Examples: Psychologist, Child and Youth Worker, Teacher, Education Consultant, Researcher, Neuroscientist

Examples of Schools & Programs:

Institution	Faculty	Program Name/Majors	Degrees Available
York University (ON)	Faculty of Health	Psychology	<ul style="list-style-type: none"> • Bachelor of Arts • Bachelor of Science
Concordia University (QC)	Faculty of Arts & Sciences	Psychology	<ul style="list-style-type: none"> • Bachelor of Arts • Bachelor of Science
University of Victoria (BC)	Faculty of Social Sciences	<p>Psychology & Computer Science</p> <p>This program is declared after one year of study</p>	<ul style="list-style-type: none"> • Bachelor of Science
St. Lawrence College (ON)		<p>Behavioural Psychology</p> <p>4 years</p>	<ul style="list-style-type: none"> • Honours Bachelor of Behavioural Psychology