



UBC Vancouver Summer Program

July 13 – August 13, 2019



THE UNIVERSITY OF BRITISH COLUMBIA

AN INTRODUCTION TO THE VSP

The Vancouver Summer Program (VSP) is a four-week academic program offered by various faculties at the University of British Columbia, Canada for international undergraduate* students from cooperating universities.

The program provides the opportunity to take two academic courses while learning about Canadian practices and culture.

* Some packages may accept graduate students.

VSP PROGRAM BENEFITS

1. Gain an international academic experience
2. Study at North America's most international university*
3. Meet students from other universities and Canadian students
4. through socio-cultural activities
5. Learn about Canadian culture and society
6. Times Higher Education's "World's Most International Universities 2017" ranking

ABOUT VANCOUVER

Vancouver is the third largest city in Canada, located in the southwest corner of British Columbia. 40 minutes away from the United States border. Population of 2.4 million.

Consistently rated as one of the best places to live in the world in terms of quality of life, opportunities, cultural diversity, political stability, and a healthy environment.





THE UNIVERSITY OF BRITISH COLUMBIA

UBC is a global centre for research and teaching, consistently ranked among the top 20 public universities in the world. Two major campuses — in Vancouver and the Okanagan — attract, nurture and transform more than 60,000 students from Canada and 140+ countries around the world. 16 faculties, 18 schools, and 2 colleges offer a wide range of study options.

UBC CAMPUS

The UBC Campus is a 20-minute drive from downtown Vancouver. More than 400 hectares in size, the stunning campus is surrounded by forest on three sides and ocean on the fourth.





VSP COURSE PACKAGES

There are **two courses** in each package

Each course is about **39 hours** of class time

Classes are interactive and often include group work and discussions

Evaluation may include assignments, group projects, papers, exams, and participation marks

Courses do not receive UBC credit but credit may be granted by the student's home university (at its discretion)



VSP PROGRAM PACKAGES

July 13 – August 13, 2019

Applied Science -Chemical Engineering

Package A -Introduction to Chemical and Biological Engineering (CHBE A JULY)

Harnessing Chemistry: An Introduction to Matter, Energy, and Chemical Engineering

Harnessing Nature: An Introduction to Biological Engineering

Package B – The Engineering of Beverages (CHBE B JULY)

The Science and Engineering of Coffee Production

The Science and Engineering of Beer and Wine Production

Package C -Computer Aided Design (CHBE C JULY)

Introduction to Numerical Methods and Computer-Assisted

Problem-Solving

Introduction to Process Simulation and DesignTools

Applied Science – Civil Engineering

Package A – Computer Software Applications in Civil Engineering (CIVL A JULY)

Computer Application in Civil Engineering

Laboratory Projects in Computer Modeling and Analytics

Package B -Structural Materials in Civil Engineering (CIVL B JULY)

Civil Engineering Materials

Laboratory Testing of Structural Materials

Package C -Advanced Topics in Concrete Technology (CIVL C JULY)

Concrete Technology

Experimental Studies of Structural Concrete Element

Applied Science -Electrical and Computer Engineering

Package A -Introduction to Electrical and Computer Engineering (ELEC A JULY)

Introduction to Digital Technology and Smart Devices

Introduction to Electric Circuits, Sensors, and Power

Package B -Renewable Energy and Power Conversion (ELEC B JULY)

Introduction to Renewable Energy

Electricity and Conversion for Renewable Power

Package C – Communication and Digital Systems (ELEC C JULY)

Communication Systems: Technology Embedded in Daily Life

Introduction to Digital Systems Design with FPGAs

Package D -Engineering the Sound of Music (ELEC D JULY)

Music: An Introduction to Electrical & Computer Engineering

Music Laboratory: Hands on Learning

Package E -Principles of the Modern Internet (ELEC E JULY)

Algorithms and the World Wide Web

Building Modern Web Applications

Applied Science -Mechanical Engineering

Package A – Green Buildings and Engineering Design (MECH A JULY)

Green Building Design

Introduction to Engineering Design & Decision-making

Package B – Robotics and Challenges from Computational Intelligence (MECH B JULY)

Introduction to Robotics

Roboethics: Challenges from Computational Intelligence



Architecture and Landscape Architecture

Package A -Wood + Architecture (ARCH A JULY)

Wood -Building by Nature (Forestry)

Designing with Wood (Architecture)

Package B -Urban Landscape Architecture (ARCH B JULY)

Green System Planning

Design in the Public Realm

Package C -Urban Design (ARCH C JULY)

Perspectives on City Making

Sustainability by Design

Arts

Package A -Global Migration, Local Communities: Asian Canadian Histories (ARTS A JULY)

Is Asia in Vancouver: Academic Perspectives

Is Asia in Vancouver: Community-Based Research

Arts cont' d

Package F -Melodrama in Action: Singing Opera and Learning Language (ARTS F JULY)

Italian for Beginners

Fundamentals of Opera Singing

Package G -Computational Linguistics: From Search Engines to Social Media (ARTS G JULY)

Linguistics for Natural Language Processing

Computation for Natural Language Processing

Package H -From Stage To Screen: How Vancouver 'plays' to a Global Audience (ARTS H JULY)

From Drama to Theatre: How Does a Play Mean?

Documentary & the City

Package I-Understanding Inequality: The Challenges of Diverse Societies (ARTS I JULY)

Inequality and Diversity in Modern Societies

Practice with Marginalized Diverse Populations

Package B -Global Journalism, Culture and Communications: Practice and Principles (ARTS B JULY)

Culture and Communications

Global Journalism

Package C -The English Language in a Globalized World (ARTS C JULY)

The History and Future of the English Language

How Human Language Works

Package D -International Finance, Trade and Politics (ARTS D JULY)

International Trade and Financial Markets

Dynamics of Democracy and Global Uprisings

Package E -Environmental Economics and Geographies of the Global Economy (ARTS E JULY)

Geographies of the Global Economy

Environmental Economics

Business

Package A -International Business Management and International Marketing (BUS A JULY)

International Business Management

International Marketing

Package B-Introduction to Marketing & Management and Organizational Behaviour(BUS B JULY)

Introduction to Marketing

Management and Organizational Behaviour

Package C -Strategic Management & New Enterprise Development (BUS C JULY)

Strategic Management

New Enterprise Development

Package D -Operations and Supply Chain Strategy & Business Analytics (BUS D JULY)

Operations and Supply Chain Strategy

Business Analytics



Community and Regional Planning

Package A -Big Data and New Technologies in Cities (PLAN A JULY)

Urban Big Data Analysis

Spatial Analysis Using Geographic Information Systems

Package B -The Evolution of Cities: Past, Present, and Future (PLAN B JULY)

City-X: Urban Transformation in a Globalized World

Past, Present, and Future: Building from Vancouver's Multicultural

Planning History

Package C -Multiculturalism and the City (PLAN C JULY)

Family Recipes and their Business Potential: Designing a Tourism

Guide to Family Food Businesses in Vancouver

Past, Present, and Future: Building from Vancouver's Multicultural

Planning History

Education cont'd

Package D -Food and Well-being -Learning the Connection (EDU D JULY)

Eating Food -An Everyday Experience

Thoughtful Eating in a Globalized World

Package E -Culture, Creativity, and Learning Technologies (EDU E JULY)

Digital Media in Arts Education

Learning Technologies and Creativity in the Digital Age

Forestry

Package A -Forest Management and the Effects of Carbon (FOR A JULY)

An Introduction to the Ecology, Economics and Politics of Carbon

Sustainable Forest Management

Dentistry

Package A -Implications of Dental Caries and Oral Cancer (DEN A JULY)

Dental Caries

Oral Cancer

Education

Package A -Teaching and Learning English (EDU A JULY)

Applied Linguistics for Teachers

Introduction to Teaching and Learning English

Package B -Early Childhood Education and Development (EDU B JULY)

Designing High Quality Programs in Early Childhood Settings

Creating Environments to Support Learning in Early Childhood Settings

Package C -Classroom Management and Behavioural Assessment (EDU C JULY)

Classroom Management

Assessment and Positive Behavioural Support in School and Community Settings

Package B -Urban Forestry (FOR B JULY)

An Introduction to Urban Forestry

Urban Forestry and Well-being

Kinesiology

Package A -Sport and Exercise Performance (KIN A JULY)

Sport and Exercise Psychology

Clinical Exercise Physiology

Package B -Coaching Science (KIN B JULY)

Foundations of Coaching

Sport Psychology for Coaching

Package C -Clinical Kinesiology (KIN C JULY)

Health and Physical Activity Behaviour

Clinical Exercise Physiology



Land and Food Systems

Package A -Food Science and Sensory Evaluation (LFS A JULY)

Introduction to Food Science

The Science of Sensory Evaluation

Package B - Agribusiness Management (LFS B JULY)

Food and Agribusiness Enterprise Management

Food and Agribusiness Marketing Management

Package C -Nutrition and Healthy Eating (LFS C JULY)

Essentials of Nutrition

Healthy Cooking and Eating in Canada's Multicultural Context

Medicine

Package A -Clinical Research and Clinical Medicine (MED A JULY)

Introduction to Clinical Research in the Sciences

Introduction to Clinical Medicine at the Bedside

Medicine cont'd

Package F -Major Mental Illnesses and Psychotherapy (MED F JULY)

Mood Disorders and Psychosis

Introduction to Psychotherapy

Package G -Introduction to Population and Public Health (MED G JULY)

Social Determinants of Health

Introduction to Population and Public Health Practice

Package H -Understanding the Recovery and Treatment from Injury and Chronic Disease (MED H JULY)

Exercise is Medicine

Recovery from Injury

Package I -Medical Laboratory Science (MED I JULY)

Introduction to Medical Laboratory Science

Fundamental Techniques for Clinical and Medical Research Laboratories

Package J -Anatomical Sciences (MED J JULY)

Principles of Body Structure and Function

Applied Neuroanatomy

Package B -Pharmacology and Critical Analysis of Literature (MED B JULY)

Pharmacology through Case Studies

Primary Literature Analysis in Science & Medicine

Package C -Anatomy and Radiology: Interactive Learning to Enhance Understanding (MED C JULY)

Introduction to Anatomy using a Hands-on Approach

Introduction to Medical Imaging: Understanding Radiologic Normal

Anatomy and Disease using Cutting-Edge Technology

Package D -Biochemistry and Molecular Biology in Human Health, Disease, and the Environment (MED D JULY)

Molecular Mechanisms of Disease

Biochemistry and Society: Current Issues

Package E -The Science Behind the Mind and Pharmacology in Psychiatry (MED E JULY)

The Science Behind the Mind

Psychiatric Disorders and their Pharmacological Treatments

Package K -Systems Pathophysiology and Principles of Data Science in the Life Sciences (MED K JULY)

Data Science Applications in the Medical Sciences

Systems Pathophysiology

Package L - Aging (MED L JULY)

Biological Aspects of Aging

Clinical Aspects of Aging

Package M - From Conception to Life Saving Surgery Across the Life Span (MED M JULY)

Introduction to Women's Health

Exploring the Specialty of Obstetrics and Gynaecology

Nursing

Package A - Seniors Health and Home Care (NURS A JULY)

Introduction to Seniors' Health

Introduction to Caring for Seniors at Home and in the Community

Package B -Health Research Methods (NURS B JULY)

Introduction to Research Methods in the Health Sciences

Introduction to Visual Methods in Health Research

Pharmaceutical Sciences

Package A -Making Better Medicines (PHAR A JULY)

The Discovery of New Medicines

Personalizing Medicines with Genomics and Biotechnology

Science – Chemistry

Package A – Chemistry: Global Challenges and the Environment (CHEM A JULY)

The Chemical Enterprise and Global Challenges

Environmental Chemistry of the Oceans and Atmosphere

Science-Earth, Ocean and Atmospheric

Sciences

Package A -The Dynamic Earth and its Beautiful Treasures (EOAS A JULY)

The Dynamic Planet

Earth Treasures

Package B -The Earth's Oceans, Atmosphere and Climate (EOAS B JULY)

Ocean and Atmosphere Systems

Marine Biodiversity

Science--Institute for Resources,

Environment and Sustainability

Package A -Climate Change, Energy and Society (IRES A JULY)

Climate Change: Causes, Consequences and Adaptation

Energy for Sustainable Development

Package B -Sustainable Futures (IRES B JULY)

Nature Matters -Ecology, the Environment and You

Oceans in the 21st Century

Science -Integrated Sciences

Package A -Game Theory and Symmetry (ISCI A JULY)

Game Theory

Symmetry

Package B – Exploring Vancouver: Systems and Sustainability (ISCI B JULY)

The Vancouver Environment

The Vancouver Anthrosphere

Many course packages have a minimum and maximum class size, so we encourage you to register your students early. Course packages that do not have the minimum number of students will not be offered, but students may transfer to other packages.



SAMPLE JULY VSPSCHEDULE

2019 JULY VSP Sample Class and Social Schedule							
	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY	SUNDAY
						Jul-13	Jul-14
						Airport Pickup † Check-in 15:00	
	Jul-15	Jul-16	Jul-17	Jul-18	Jul-19	Jul-20	Jul-21
9:00 - 12:00	Orientation and Faculty Welcome	City tour	Class A	Class A	Class A	Victoria Day Trip (optional)*	Whistler Day Trip (optional)*
13:30 - 16:30	Campus Tour	Class B	Class B	Class B	Sports Festival (13:00 - 16:00)		
Evening	UBC Welcome (16:30 - 18:00)		MoA Tour	Optional tours ticket purchase at Merit Travel office (17:00 -19:30)			
	Jul-22	Jul-23	Jul-24	Jul-25	Jul-26	Jul-27	Jul-28
9:00 - 12:00	Class A	Class A	Class A	Class A	Class A	Victoria Day Trip (optional)*	Whistler Day Trip (optional)*
13:30 - 16:30	Class B	Class B	Class B	Class B	Class B		
Evening	MoA Tour			MoA Tour	Richmond Night Market		
	Jul-29	Jul-30	Jul-31	Aug-01	Aug-02	Aug-03	Aug-04
9:00 - 12:00	Class A	Class A	Class A	Class A	Class A	Whistler Day Trip (optional)*	Victoria Day Trip (optional)*
13:30 - 16:30	Class B	Class B	Class B	Class B	Class B		
Evening			Mini Grad Fair (17:00 - 19:00)		Students often use this time for sightseeing trips to Rocky Mountains or other destinations at their own cost		
	Aug-05	Aug-06	Aug-07	Aug-08	Aug-09	Aug-10	Aug-11
9:00 - 12:00	BC Day Statutory Holiday	Class A	Class A FINAL EXAM	Class B FINAL EXAM			
13:30 - 16:30		Class B	Evaluations	Farewell Luncheon (12:00 -14:00)			
Evening					Students often use this time for sightseeing trips to Rocky Mountains or other destinations at their own cost		

Legend
UBC Organized Event
Faculty Organized Event
*Trips arranged by non-UBC Travel Company at additional cost

Note: Schedules for the individual packages will be finalized closer to the program dates; schedules for the course packages will vary by faculty. Please check with your faculty coordinator before finalizing your after school plans on weekdays.

†Individuals arriving/departing outside of group flights and regular hours will be expected to make their own way to UBC campus/YVR Airport.

VSP ACCOMMODATION

- Students will be assigned either shared apartments or semiprivate unit accommodation on campus
- Easy access to classrooms, recreation, and campus amenities
- Wireless or wired internet access in guest rooms
- Laundry on site

If capacity in the apartments and semi-private units are exceeded, students will be placed in traditional student dormitories



VSP ACCOMMODATION

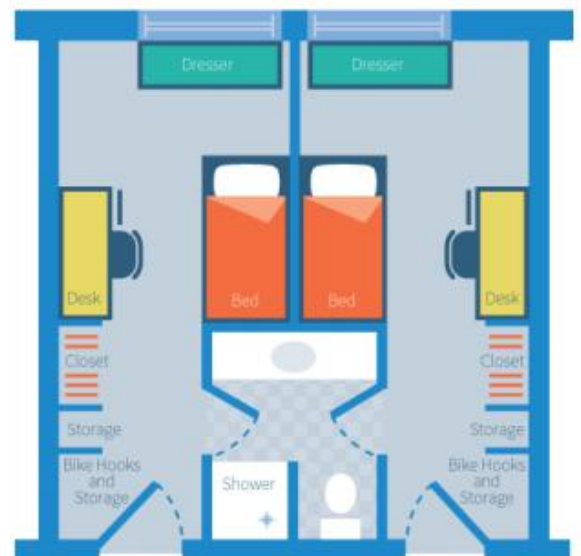
Shared apartments (6 bedrooms)

- Private bedrooms with single bed
- In-suite bathroom
- Shared living space with TV
- Equipped kitchen



Semi-Private Units (2 bedrooms)

- Private bedrooms with single bed
- Shared washroom and shower
- Shared floor lounge with TV, fridge, and microwave
- No kitchen facilities
- Breakfast provided Monday to Friday



Students may also be assigned to traditional student dormitories.

The package fee per student is \$5250 CAD for the July 2019 program and it includes:

- Two courses
- Course materials
- Medical insurance
- Group airport transfers and city tour
- Shared accommodation July 13 – August 13, 2019
- Orientation and farewell events
- Socio-cultural activities

(optional trips may require additional fees)

