

An aerial photograph of the University of British Columbia (UBC) Vancouver campus. The image shows a dense forest of trees in shades of green and yellow, surrounding several large, modern university buildings. In the background, the city of Vancouver is visible, along with the water of the Burrard Inlet and distant mountains under a clear blue sky. The text "UBC Vancouver Summer Program July 13 - August 13, 2019" is overlaid in white on the lower half of the image.

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

Gain an international academic experience

Study at North America's most international university*

Meet students from other universities and Canadian students through socio-cultural activities

Learn about Canadian culture and society

**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



ABOUT VANCOUVER

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 AT A GLANCE

- **65,012** students (Vancouver: 55,887; Okanagan: 9,125)
- **16,188** international students from 156 countries
- **13,237** degrees granted in 2017
- **325,000+** alumni in 140 countries
- **16,089** faculty and staff
- **\$2.6 billion** annual consolidated budget
- **\$658 million** per year in research funding for 8,973 projects
- **207** companies spun off from UBC research
- **8** Nobel prize winners among current or former faculty and alumni
- **34th** in Times Higher Education world rankings (2017/2018), one of three Canadian universities in the top 50

www.ubc.ca/facts



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 Design Tools

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 Elements

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.

Visit vancouversummerprogram.ubc.ca for the most current information on course packages.



VSP PROGRAM PACKAGES

July 13 - August 13, 2019

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

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VSP PROGRAM PACKAGES

July 13 - August 13, 2019

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

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

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VSP PROGRAM PACKAGES

July 13 - August 13, 2019

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

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

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VSP PROGRAM PACKAGES

July 13 - August 13, 2019

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

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

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VSP PROGRAM PACKAGES

July 13 - August 13, 2019

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*

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*

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VSP PROGRAM PACKAGES

July 13 - August 13, 2019

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

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

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VSP PROGRAM PACKAGES

July 13 - August 13, 2019

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 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

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VSP PROGRAM PACKAGES

July 13 - August 13, 2019

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

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SAMPLE JULY VSP SCHEDULE

| 2019 JULY VSP Sample Class and Social Schedule | | | | | | | |
|--|--|------------------|--|--|---|---|---|
| | MONDAY | TUESDAY | WEDNESDAY | THURSDAY | FRIDAY | SATURDAY | SUNDAY |
| | | | | | | Jul-13 Airport Pickup† Check-in 15:00 | Jul-14 |
| | 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 | |
| | | | | | | | Aug-12 |
| | | | | | | | Aug-13 |
| | | | | | | | Airport Drop Off† Check-out 11:00 |

| 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/VVR Airport.



VSP ACCOMMODATION

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



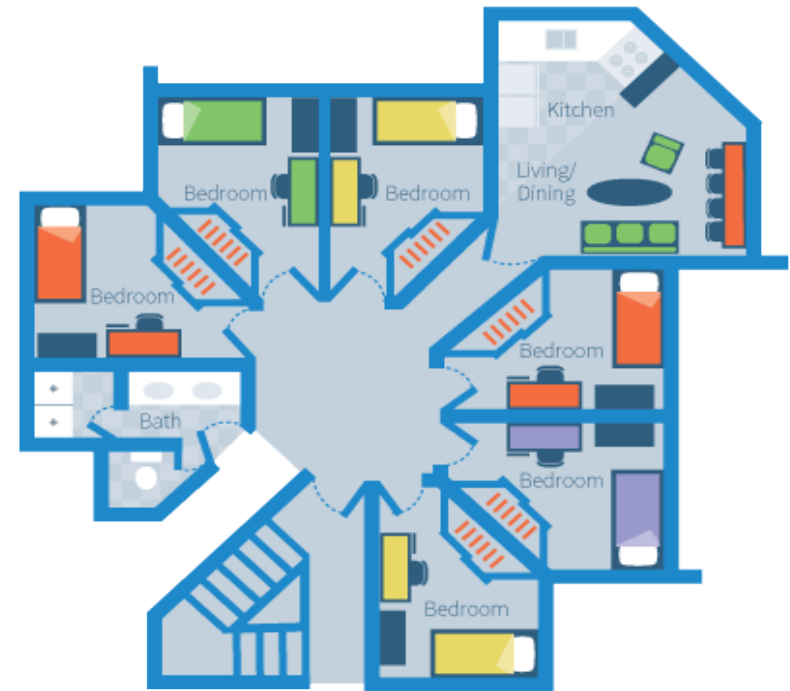
If capacity in the apartments and semi-private units are exceeded, students will be placed in traditional student dormitories



VSP ACCOMMODATION

Shared apartments (6 bedrooms)

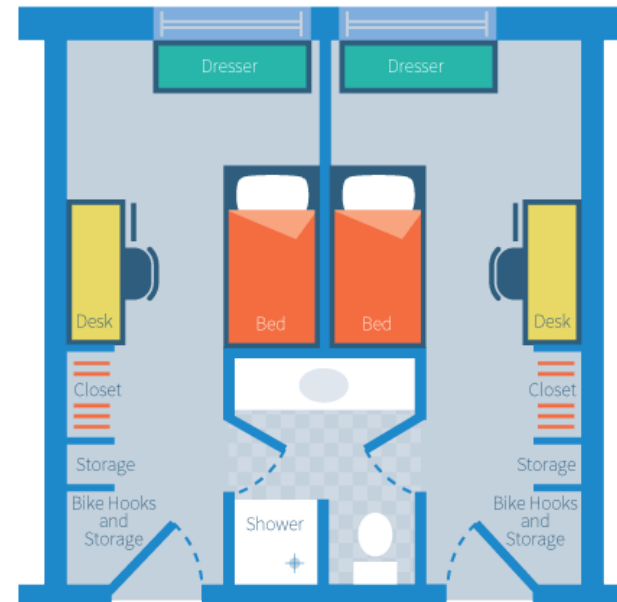
- Private bedrooms with single bed
- In-suite bathroom
- Shared living space with TV
- Equipped kitchen



VSP ACCOMMODATION

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.



VSP PROGRAM FEE

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)



YOUR VSP CONTACTS

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