

An aerial photograph of the University of British Columbia (UBC) Vancouver campus. The image shows a large, modern building complex surrounded by dense green trees. In the background, the city of Vancouver and the mountains are visible 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
- **34<sup>th</sup>** in Times Higher Education world rankings (2017/2018), one of three Canadian universities in the top 50

[www.ubc.ca/facts](http://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](http://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	Jul-14		
						Airport Pick up † Check-in 15:00			
	Jul-15	Jul-16	Jul-17	Jul-18	Jul-19	Jul-20	Jul-21		
9:00 - 12:00	<b>Orientation and Faculty Welcome</b>	<b>City tour</b>	Class A	Class A	Class A	Victoria Day Trip (optional)*	Whistler Day Trip (optional)*		
13:30 - 16:30	<b>Campus Tour</b>	Class B	Class B	Class B	<b>Sports Festival</b> (13:00 - 16:00)				
Evening	<b>UBC Welcome</b> (16:30 - 18:00)		<b>MoA Tour</b>	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	<b>MoA Tour</b>			<b>MoA Tour</b>	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			<b>Mini Grad Fair</b> (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	Aug-12	Aug-13
9:00 - 12:00	<b>BC Day Statutory Holiday</b>	Class A	Class A FINAL EXAM	Class B FINAL EXAM					Airport Drop Off † Check-out 11:00
13:30 - 16:30		Class B	<b>Evaluations</b>	<b>Farewell Luncheon</b> (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 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



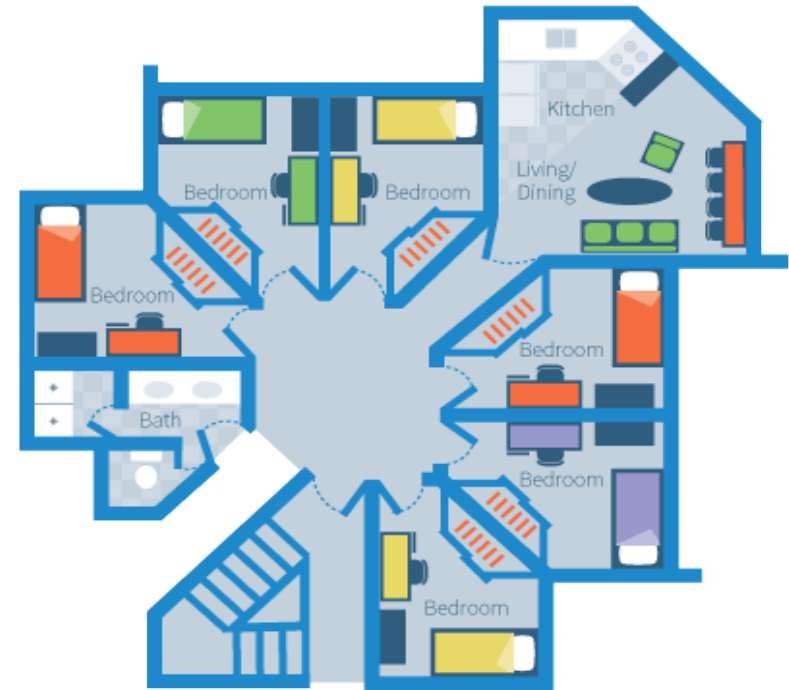
If capacity in the apartments and semi-private units are exceeded, students will be placed in traditional student dormitories



# VSP ACCOMMODATION

## Shared apartments (6 bedrooms)

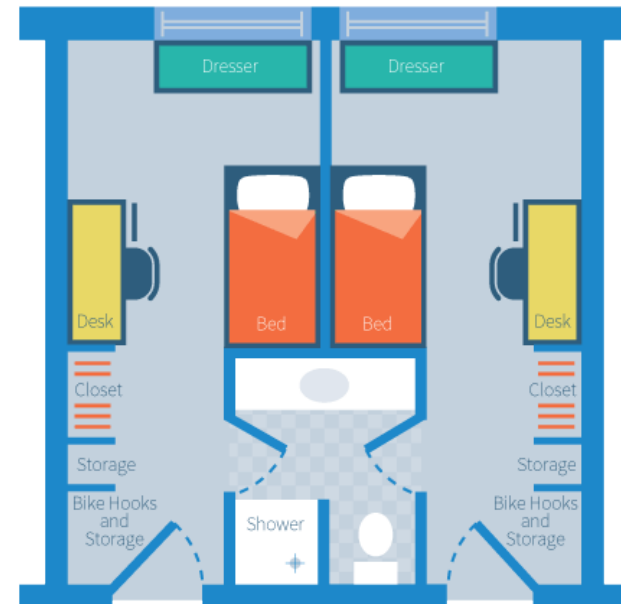
- Private bedrooms with single bed
- In-suite bathroom
- Shared living space with TV
- Equipped kitchen



# 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

## Inquiries from Asia:

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## South Asia and the Middle East:

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## For all other Regions:

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