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 students from cooperating universities.

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

Canada’s education ranks amongst the best in the world

UBC is a global centre for research and teaching, ranking among the world’s top 20 public universities

17 faculties, 14 schools, and 1 college offer a wide range of study options
UBC AT A GLANCE

- **62,923** students (Vancouver: 54,236; Okanagan: 8,687)
- **14,434** international students from 162 countries
- **12,800** degrees granted in 2016
- **318,000+** alumni in 150 countries
- **15,660** faculty and staff
- **$2.5 billion** annual operating budget
- **$580 million** per year in research funding for 8,808 projects
- **199** companies spun off from UBC research
- **$12.5 billion** in economic impact
- **7** Nobel prize winners among current or former faculty and alumni
- **34th** in Times Higher Education world rankings (2017/2018)

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 14 – August 14, 2018

Applied Science - Chemical Engineering
Package A - Introduction to Chemical and Biological Engineering
Harnessing Chemistry: An Introduction to Matter, Energy, and Chemical Engineering
Harnessing Nature: An Introduction to Biological Engineering

Package B - Engineer, Brew, Drink
Early Morning Engineering: The Science and Engineering of Coffee Production
Late Night Engineering: The Science and Engineering of Beer and Wine Production

Applied Science - Civil Engineering
Package A - Structural Materials
Structural Materials
Laboratory Testing of Structural Materials

Package B - Advanced Concrete Structures
Advanced topics in Concrete Technology
Experimental Studies of Structural Concrete Elements

Applied Science - Electrical and Computer Engineering
Package A - Introduction to Electrical and Computer Engineering
Introduction to Digital Technology and Smart Devices
Introduction to Electric Circuits, Sensors, and Power

Package B - Renewable Energy and Power Conversion
Introduction to Renewable Energy
Electricity and Conversion for Renewable Power

Package C - Communication and Digital Systems
Communication Systems: Technology Embedded in Daily Life
Introduction to Digital Systems Design with FPGAs

Package D - Engineering the Sound of Music
Music: An introduction to Electrical & Computer Engineering
Music Laboratory: Hands on Learning

Package E - Principles of the Modern Internet
Algorithms and the World Wide Web
Building Modern Web Applications

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.

The most current information on course packages is on the website vancouversummerprogram.ubc.ca
VSP PROGRAM PACKAGES
July 14 – August 14, 2018

Architecture and Landscape Architecture
Package A - Wood + Architecture
Wood - Building by Nature
Designing with Wood

Package B - Urban Landscape Architecture
Design in the Public Realm
Green System Planning

Package C - Urban Design
Sustainability by Design
Perspectives on City Making

Arts
Package A - Global Migration, Local Communities:
Asian Canadian Histories
Is Asia in Vancouver: Academic Perspectives
Is Asia in Vancouver: Community-Based Research

Package B - Global Journalism, Culture and Communications:
Practice and Principles
Culture and Communication
Global Journalism

Package C - The English Language in a Globalized World
The History and Future of the English Language
How Human Language Works

Package D - International Finance, Trade and Politics
International Trade and Financial Markets
Dynamics of Democracy and Global Uprisings

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VSP PROGRAM PACKAGES
July 14 – August 14, 2018

Arts cont’d
Package E - Environmental Economics and Geographies of the Global Economy
Geographies of the Global Economy
Environmental Economics

Package F - Living on the Net: exploring information worlds and designing digital spaces
Networks, Crowds and Communities
Digital Information Interaction and Design Communities

Package G - Computational Linguistics: From Search Engines to Social Media
Linguistics for Natural Language Processing
Computation for Natural Language Processing

Package H - From Stage To Screen: how Vancouver ‘plays’ to a Global Audience
From Drama to Theatre: How Does a Play Mean?
Documentary & the City

Business
Package A - International Business Management and International Marketing
International Business Management
International Marketing

Package B - Introduction to Marketing and Management and Organizational Behaviour
Introduction to Marketing
Management and Organizational Behaviour

Package C - Strategic Management and New Enterprise Development
Strategic Management
New Enterprise Development

Package D - Business Analytics and Supply Chain Management
Operations and Supply Chain Strategy
Business Analytics

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VSP PROGRAM PACKAGES
July 14 – August 14, 2018

Community and Regional Planning
Package A - Big Data and New Technologies in Cities
  Urban Big Data Analysis
  Spatial Analysis Using Geographic Information Systems

Package B - Building Resilient Cities
  Greening the City: Vancouver as a Case
  Citizen Engagement for Behaviour Change

Dentistry
Dental Caries and Oral Cancer
  Oral Cancer: Why Haven't the Clinical Outcomes Improved?
  Dental Caries: The Most Common Infectious Disease in Humans

Education
Package A - Teaching and Learning English
  Applied Linguistics for Teachers
  Introduction to Teaching and Learning English

Package B - Early Childhood Education and Development
  Designing High Quality Programs in Early Childhood Settings
  Creating Environments to Support Learning in Early Childhood Settings

Package C - Classroom Management and Behavioural Assessment
  Classroom Management
  Assessment and Positive Behavioural Support in School and Community Settings

Package D - Food and Wellbeing - Learning the Connection
  Eating food - an everyday experience
  Thoughtful eating in a Globalized World

Package E - Culture, Creativity, and Learning Technologies
  Digital Media in Arts Education
  Learning Technologies and Creativity in the Digital Age

Forestry
Package A - Forest Management and the Effects of Carbon
  An Introduction to the Ecology, Economics and Politics of Carbon
  Sustainable Forest Management

Package B - Urban Forestry
  An Introduction to Urban Forestry
  Urban Green Spaces and Well-being

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VSP PROGRAM PACKAGES
July 14 - August 14, 2018

Kinesiology
Package A - Sport and Exercise Performance
Sport and Exercise Psychology
Clinical Exercise Physiology

Package B - Coaching Science
Foundations of Coaching
Sport Psychology for Coaching

Package C - Clinical Kinesiology
Clinical Exercise Physiology
Health and Physical Activity Behaviour

Land and Food Systems
Package A - Food Science and Sensory Evaluation
Introduction to Food Science
The Science of Sensory Evaluation

Land and Food Systems
Package B - Agribusiness Management
Food and Agribusiness Enterprise Management
Food and Agribusiness Marketing Management

Package C - Nutrition and Healthy Eating
Essentials of Nutrition
Healthy Cooking and Eating in Canada’s Multicultural Context

Medicine
Package A - Clinical Research and Clinical Medicine
Introduction to Clinical Research in the Sciences
Introduction to Clinical Medicine at the Bedside

Package B - Pharmacology and Critical Analysis in Medicine and Science
Pharmacology through Case Studies
Primary Literature Analysis in Science and Medicine

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VSP PROGRAM PACKAGES
July 14 – August 14, 2018

**Medicine**

**Package C - Anatomy and Radiology: Interactive Learning to Enhance Understanding**
*Introduction to Medical Imaging: Understanding Radiologic Normal Anatomy and Disease using Cutting-Edge Technology*
*Introduction to Anatomy using a Hands-on Approach*

**Package D - Biochemistry and Molecular Biology in Human Health, Disease, and the Environment**
*Molecular Mechanisms of Disease*
*Environmental Biochemistry*

**Package E - The Science and Treatment of Psychiatric Disorders**
*The Science behind the Mind*
*Psychiatric Disorders and their Pharmacological Treatments*

**Package F - Major Mental Illnesses and Psychotherapy**
*Mood Disorders and Psychosis*
*Introduction to Psychotherapy*

**Package G - Introduction to Population and Public Health**
*Social Determinants of Health*
*Introduction to Population and Public Health Practice*

**Package H - Understanding the Recovery and Treatment from Injury and Chronic Disease**
*Exercise is Medicine*
*Recovery from Injury*

**Package I - Medical Laboratory Science**
*Introduction to Medical Laboratory Science*
*Fundamental Techniques for Clinical and Medical Research Laboratories*

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VSP PROGRAM PACKAGES
July 14 – August 14, 2018

**Medicine cont’d**

**Package J - Anatomical Sciences**
*Principles of Body Structure and Function*
*Applied Neuroanatomy*

**Nursing**

**Health Research Methods**
*Introduction to Research Methods in the Health Sciences*
*Introduction to Visual Methods in Health Research*

**Pharmaceutical Sciences**

**Package A - Making Better Medicines**
*The Discovery of New Medicines*
*Personalizing Medicines with Genomics and Biotechnology*

**Package B - Applied Clinical Pharmacy**
*Adverse Drug Related Events and Drug Interactions*
*Principles of Medication Safety*

**Science - Earth Ocean and Atmospheric Sciences**

**Package A - The Dynamic Earth and its Beautiful Treasures**
*The Dynamic Planet*
*Earth Treasures*

**Package B - The Earth’s Oceans, Atmosphere and Climate**
*Ocean and Atmosphere Systems*
*Marine Biodiversity*

**Science - Integrated Sciences**

**Package A - Game Theory and Symmetry**
*Game Theory*
*Symmetry*

**Package B - Science and Medicine**
*Evolutionary Medicine*
*Scale and Measurement in Science and Medicine*

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# SAMPLE JULY VSP SCHEDULE

<table>
<thead>
<tr>
<th>July 2018 VSP Sample Class and Social Schedule</th>
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<tr>
<td><strong>MONDAY</strong></td>
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**Legend**

- UBC Organized Event
- Faculty Organized Event

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VSP ACCOMMODATION

• Students will be assigned either shared apartments or semi-private unit accommodation on campus
• Easy access to classrooms, recreation and campus amenities
• Wired high speed internet 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 $5100 CAD for the July 2018 program and it includes:

• Two courses
• Course materials
• Medical insurance
• Group airport transfers and city tour
• Shared accommodation July 14 – August 14, 2018
• Orientation and farewell events
• Socio-cultural activities
  (optional trips may require an additional fee)
YOUR VSP CONTACTS

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