

# UBC Vancouver Summer Program

## July 14 - August 14, 2018

[vancouversummerprogram.ubc.ca](http://vancouversummerprogram.ubc.ca)

The Vancouver Summer Program (VSP) is a four-week academic program in Canada offered by various faculties at the University of British Columbia for cohorts of students from cooperating universities. The program includes two courses, accommodation and socio-cultural activities. Choose from one of the following two- course packages:

### 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*

### 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*

For further details and the most current course package information, please visit our website [vancouversummerprogram.ubc.ca](http://vancouversummerprogram.ubc.ca) or contact:

#### Asia:

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#### South Asia and the Middle East:

##### Mr. Stephen Kumar

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### Package D - Biochemistry and Molecular Biology in Human Health, Disease, and the Environment

*Molecular Mechanisms of Disease*  
*Biochemistry and Society: Current Issues (Biochemistry and Molecular Biology)*

### 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*

### 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*

#### All other inquiries:

##### Ms. Marg Toronchuk

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