UBC Vancouver Summer Program
July 13 - August 13, 2019

vancouver**summer**program.ubc.ca

The University of British Columbia has an exciting summer program for international undergraduate students from various universities to study at UBC. This four-week program, offered by many UBC faculties, gives students the opportunity to take two academic courses while learning about Canadian culture and practices.

The 2019 UBC Vancouver Summer Program fee of CAD $5250 includes:

- Two courses
- Medical insurance
- Group airport transfer
- Course materials
- City tour
- Socio-cultural activities
- Shared on-campus accommodation
- Orientation and farewell events
- Optional trips may require additional fees

Choose from one of the following two-course packages:

Applied Science – Chemical and Biological 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

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

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

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

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

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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

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

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

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

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

For further details and the most current course package information, visit vancouversummerprogram.ubc.ca or contact:

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