

SPECIALISED STUDY ABROAD PROGRAMME



Gain more from your study abroad experience and focus on a particular study area by choosing courses from one of our Specialised Study Abroad Programmes. You are also welcome to choose your own courses, based on your interests.

A Specialised Study Abroad Programme is an excellent way to develop your skills and knowledge in a particular area of study. At the end of your Study Abroad trimester, you will receive transcript recognition which acknowledges your commitment and enhances your employability.

You must enrol in at least three courses from the specialised course lists to receive recognition. Specialised Study Abroad Programmes are currently only available at undergraduate level exclusively to Study Abroad students. They are open to GAP or first year students who would take only 100 level courses.

STUDY ABROAD LIKE A LOCAL

Branch out further, truly engage with your study area and connect with likeminded people by participating in local New Zealand events and activities. You will also receive updates with relevant opportunities to enhance your study abroad experience like a local.

PROGRAMME STUDY AREAS

- [New Zealand and the Pacific Islands](#)
- [Education](#)
- [Creative Arts and Communication](#)
- [Language, Culture and Identity](#)
- [Global Studies](#)
- [Health Studies](#)
- [Business](#)
- [Society and Ethics](#)
- [Biotechnology and Biodiscovery](#)
- [Climate, Environment and Biodiversity](#)
- [Data Science](#)
- [Software and Computing](#)

Notes: The courses listed are subject to timetable availability and are subject to change. Check the Course Finder in year of proposed study for availability. Where prerequisites exist, you will need to provide proof of meeting the prerequisites. Relevant Special Topic courses may also be included. See page 2 for course examples.



New Zealand and the Pacific Islands

New Zealand has a rich and fascinating history, reflecting our unique mix of Māori, Pacific Islands and European culture. Discover the culture through different perspectives through history, international relations, sociology, biology, film, tourism, languages and indigenous studies.

TRIMESTER ONE MARCH to JUNE

HIST 112 Islands and Peoples - Aotearoa New Zealand in World History
MAOR 101 Te Timatanga/Introduction to Maori Language
MAOR 123 Te Iwi Maori me ana Tikanga/Maori Society and Culture
PASI 101 The Pacific Heritage
POLS 111 Introduction to New Zealand Government and Politics
SAMO 101 Introduction to Samoan Language
CRIM 212 Crime and Criminal Justice in New Zealand
FILM 202 Cinema of Aotearoa New Zealand
INTP 244 New Zealand in the World
MAOR 217 Te Puwhenuatanga o Te Moana-nui-a-Kiwa / The Peopling of Polynesia
PASI 201 Comparative History in Polynesia
THEA 211/THEA 321 Special Topic From Whare Tapere to the Globe Theatre of Aotearoa/New Zealand
EDUC 322 Multiethnic Education
HIST 316 New Zealand Social History
HIST 336 The Pacific Islands after 1945
POLS 353 Growing Pains NZ Politics 1975 to Present

TRIMESTER TWO JULY to NOVEMBER

ENGL 112 Cultural Encounters The Literature of Aotearoa New Zealand
FHSS 110 Reading the World Languages and Cultures in Context
MAOR 123 Te Iwi Maori me ana Tikanga/Maori Society and Culture
SOSC 112 New Zealand Sociological Perspectives
TOUR 108 Tourism in New Zealand
BIOL 219 New Zealand Flora and Fauna
PERF 151 Maori Music Performance
EDUC 223 Education, Ethnicity and Culture
EDUC 224 Pacific Nations Education
ENVI 214/GEOG 214 Environment and Resources: New Zealand Perspectives
HIST 227 Maori and Pakeha in the Nineteenth Century World
MAOR 216 The Treaty of Waitangi
MDIA 201 Media in Aotearoa New Zealand
PASI 202 Globalisation and Popular Culture in the Pacific
POLS 218 Politics and the Media in New Zealand
CRIM 303 Prisons in Aotearoa New Zealand
EDUC 323 Contemporary Issues in indigenous education Aotearoa
ENGL 331 New Zealand Literature
HIST 323 Nga Tuhinga a Nga Tupuna Maori Text and Context in the 19th Century World
HIST 316 New Zealand Social History
PASI 301 Framing the Pacific Theorising Culture and Society
PASI 303 Migration, Diaspora and Identity in the Pacific

Education

Explore the philosophies and politics at work in New Zealand's education system, and compare these to others around the world. You can draw on disciplines such as psychology, history and sociology to understand the learning and teaching process.

TRIMESTER ONE MARCH to JUNE

EDUC 101 Education, Society and Culture
EDUC 116 Understanding Young Children
EDUC 141 Human Development and Learning
PSYC 121 Introduction to Psychology 1
STAT 193 Statistics in Practice
EDUC 215 The Early Years Debates
EDUC 221 Youth, Society and Education
EDUC 222 Educational Inquiry
EDUC 243 Learning and Motivation
LALS 201 Understanding Language Learning and Teaching
EDUC 321 The Politics of Education
EDUC 322 Multi ethnic Education
EDUC 343 Youth and Life Challenges
TSOL 301 Language Teaching: Principles to Practice
EDUC 115 Discovery of Early Childhood

TRIMESTER TWO JULY to NOVEMBER

EDUC 141 Human Development and Learning
PSYC 122 Introduction to Psychology 2
STAT 193 Statistics in Practice
EDUC 223 Education, Ethnicity and Culture
EDUC 224 Pacific Nations Education
EDUC 244 Issues in Child and Adolescent Development
TSOL 203 Text & Cultural Context
EDUC 323 Contemporary Issues in Indigenous Education Aotearoa
EDUC 341 Learning Environments
EDUC 342 Exceptional Learners: Special Education

Creative Arts and Communication

Get creative with music, film, theatre, media or design courses. Wellington is known as New Zealand's creative and cultural capital with a treasure trove of theatre, film, music, art heritage activities and organisations.

TRIMESTER ONE MARCH to JUNE

DSDN 144 Photographics
DSDN 132 3D Modelling & Animation I
FILM 101 Introduction to Film Analysis
MDIA 103 Popular Media Culture
MUSC 105 Music Now Understanding Music Through the Lens of the 20th 21st Centuries
MUSC 150 Music in Global Contexts
THEA 101 The Live Act Introduction to Theatre
ARTH 212 History of Photography
FILM 202 Cinema of Aotearoa New Zealand
MDIA 205 Popular Music Studies
THEA 211/THEA 321 Special Topic From Whare Tapere to the Globe Theatre of Aotearoa/New Zealand
ARTH 336 Topics in Pacific Art
FILM 306 The Art of Film
MDIA 304 News Culture
MUSC 351 Studies in Music and Dance of Oceania

TRIMESTER TWO JULY to NOVEMBER

ARTH 113 Thinking Through Art
DSDN 144 Photographics
DSDN 142 Creative Coding
DSDN 151 Graphic Design
FILM 102 Film Movements and Contexts
MDIA 102 Media, Society and Politics
PERF 151 Maori Music Performance
THEA 113 Playing for Real
PASI 202 Globalisation and Popular Culture in the Pacific
ARTH 219 Modernism and Modernity
COMD 211 Drawing (2019)
CMPO 286 Recording, Mixing and Audio Production
DSDN 251 Design Psychology
FILM 205 Film Genre
MDIA 202 Television Studies
MDIA 203 Visual Culture
PASI 202 Globalisation and Popular Culture in the Pacific
FILM 302 Cinema and Representation
FILM 304 Film Cultures B
MDIA 301 Media Theory and Cultural Production
MDIA 306 Media, Gender and Sexuality

Language, Culture and Identity

Prepare for an increasingly diverse and interconnected world. Gain an awareness of the differences and similarities that characterise the world's increasingly global communities.

TRIMESTER ONE MARCH to JUNE

ENGL 112 Cultural Encounters The Literature of Aotearoa New Zealand
FHSS 110 Reading the World Languages and Cultures in Context
HIST 112 Islands and Peoples - Aotearoa New Zealand in World History
LING 101 Language and Communication
MAOR 123 Te Iwi Maori me ana Tikanga/Maori Society and Culture
PASI 101 The Pacific Heritage
ARTH 114 Art and Encounter
ANTH 208 Human Rights, Humanitarianism and Development
CLAS 211 Myth and Storytelling
FILM 202 Cinema of Aotearoa New Zealand
LALS 201 Understanding Language Learning & Teaching
LANG 201 Capital Cities: Their Cultures and Stories
LING 221 Sociolinguistics
MAOR 217 Te Puwhenuatanga o Te Moana-nui-a-Kiwa / The Peopling of Polynesia
RELI 231 Identity, Communities and Traditions
SPAN 214 Topic in Hispanic Studies Negotiating Latin America
MAOR 302 Te Pumoto o te Tangata Whenua, o te Taiao/ Indigenous Knowledge and Science
HIST 316 New Zealand Social History
LING 323 Psycholinguistics

TRIMESTER TWO JULY to NOVEMBER

CLAS 111 Myth and Mythologies
MAOR 123 Te Iwi Maori me ana Tikanga/Maori Society and Culture
MDIA 103 Popular Media Culture
ANTH 102 Social and Cultural Diversity
ASIA 111 Introduction to Asian Histories and Cultures
MDIA 201 Media in Aotearoa New Zealand
PASI 202 Globalisation and Popular Culture in the Pacific
SACS 202 Gender and Sexuality Studies: Key Thinkers and Perspectives
TSOL 203 Text & Cultural Context
HIST 227 Maori and Pakeha in the Nineteenth Century World
MUSC 351 Studies in Music and Dance of Oceania
PASI 301 Framing the Pacific Theorising Culture and Society
PASI 303 Migration, Diaspora and Identity in the Pacific
SPAN 314 Topic in Hispanic Studies: National Identities and Cultures in the Hispanic World
RELI 341 Christianity
MDIA 306 Media, Gender and Sexuality
EDUC 323 Contemporary Issues in Indigenous Education Aotearoa
ANTH 317 Migration, Culture and Identity

Global Studies

To contribute to the increasing globalisation of the world, countries need people who understand the impact of global trends and issues, and can interact effectively in a multicultural environment. This programme includes courses from international relations, politics, business, culture, anthropology, geography and social policy.

TRIMESTER ONE MARCH to JUNE

INTP 113 Introduction to International Relations

GEOG 114 Environment and Resources: the Foundations

MAOR 123 Te Iwi Maori me ana Tikanga/Maori Society and Culture

POLS 114 Introduction to Comparative Politics

ANTH 101 Foundations of Society and Culture

ASIA 101 New Zealand and Asia

PASI 101 The Pacific Heritage

FHSS 110 Reading the World: Languages and Cultures in Context

ANTH 208 Human Rights, Humanitarianism and Development

ECON 212 Macroeconomics: Growth, Stability and Crises

GEOG 112 Introduction to Human Geography and Development Studies

IBUS 201 Principles of International Business

INTP 244 New Zealand in the World

INTP 247 International Relations: Wealth and World Affairs

PASI 201 Comparative History in Polynesia

PUBL 201 Introduction to Public Policy

RELI 232 Violence and Conflict

SPOL 203 Social Policy in Times of Crisis and Change

ANTH 312 The Challenges of Ethnography

SOSC 304 Interpreting Society

TRIMESTER TWO JULY to NOVEMBER

INTP 115 Introduction to Security Studies

MAOR 123 Te Iwi Maori me ana Tikanga/Maori Society and Culture

MDIA 102 Media, Society and Politics

GEOG 112 Introduction to Human Geography and Development Studies

ANTH 102 Social and Cultural Diversity

POLS 112 Introduction to Political Ideas

RELI 108 The World's Religions

ANTH 215 Anthropology for Liberation

GEOG 212 Worlds of Development

PHIL 264 Ethics and International Affairs

POLS 231 Governing Divided Societies

POLS 232 Citizen Politics: Public Opinion and Elections

PUBL 209 Introduction to Public Economics

HIST 316 New Zealand Social History

INTP 302 International Politics of the Environment

INTP 363 Human Rights

PASI 303 Migration, Diaspora and Identity in the Pacific

POLS 384 The Comparative Politics of Globalisation

SOSC 318 Social Movements and the State

SOSC 319 Knowledge, Power and Social Research

Health Studies

Learn about health services, and health policy and strategy. Examine the social aspects of health, and the current health issues affecting populations in New Zealand and beyond. You can look at the needs of different ethnic groups including Māori and Pasifika. Explore the concepts of health and wellbeing, and study human biology.

TRIMESTER ONE MARCH to JUNE

HLWB 101 Introduction to Health and Wellbeing 1

HLWB 103 Introduction to Human Biology

BTEC 101 Introduction to Biotechnology

PSYC 121 Introduction to Psychology 1

SOSC 112 New Zealand Sociological Perspectives

SPOL 113/PUBL 113 Social and Public Policy: Values and Change

EDUC 141 Human Development and Learning

STAT 193 Statistics in Practice

HLWB 201 Advanced Health and Wellbeing 1

HLWB 203 Health Evaluation and Epidemiology

PHIL 202 Ethics

PUBL 201 Introduction to Public Policy

PSYC 232 Research Methods in Psychology

SOSC 211 Interpreting Society

SOSC 220 Sociology of Health and Illness

SOSC 221 Sociology of Emotion

CRIM 216 Drugs, Risk and Play

CRIM 217 Criminal Psychology

PSYC 332 Behaviour Analysis

TRIMESTER TWO JULY to NOVEMBER

HLWB 104 Introduction to Health Policy and Services

HLWB 102 Introduction to Health and Wellbeing 2

HLWB 105 Psychological and Physical Wellbeing

ANTH 102 Social and Cultural Diversity

EDUC 141 Human Development and Learning

PSYC 122 Introduction to Psychology 2

STAT 193 Statistics in Practice

BTEC 201 Molecular Biotechnology

HLWB 202 Advanced Health and Wellbeing 2

HLWB 204 Advanced Health Policy and Services

HLWB 206 Introduction to Health Promotion

SOSC 215 Reproducing Gendered Bodies

PHIL 265 Mind and Cognition

PHIL 361 Bioethics

MDIA 306 Media, Gender and Sexuality

ANTH 307 Medical Anthropology

PSYC 333 Applied Social Psychology

SOSC 319 Knowledge, Power and Social Research

SPOL 306 Social Inequality

Business

Study a range of Business subjects at Victoria Business School (VBS) which is located in the heart of Wellington, New Zealand's centre of innovation, entrepreneurship, policymaking and creativity.

TRIMESTER ONE MARCH to JUNE

ECON 130 Microeconomic Principles
ECON 141 Macroeconomic Principles
HRIR 207 The Future of Work
INFO 101 Foundations of Information Systems
MARK 101 Principles of Marketing
MGMT 101 Introduction to Management
QUAN 102 Statistics for Business
IBUS 201 Principles of International Business
INFO 101 Foundations of Information Systems
IBUS 201 Principles of International Business
IBUS 212 International Management
ECON 201 Intermediate Microeconomics
ECON 212 Macroeconomics: Growth, Stability and Crises
MARK 201 Marketing Management
MARK 202 Consumer Behaviour
MARK 203 Market Research
MARK 214 Tourism Marketing
IBUS 305 Dynamic Strategy and Structure in International Business

TRIMESTER TWO JULY to NOVEMBER

ECON 130 Microeconomic Principles
ECON 141 Macroeconomic Principles
HRIR 207 The Future of Work
INFO 101 Foundations of Information Systems
MARK 101 Principles of Marketing
MGMT 101 Introduction to Management
QUAN 102 Statistics for Business
TOUR 104 Business Environment of Tourism
ECON 202 Open-economy Macroeconomics
IBUS 212 International Management
MARK 201 Marketing Management
MARK 202 Consumer Behaviour
MARK 203 Market Research
WRIT 202 Writing for Business
ECON 309 International Economics
IBUS 312 Managing and Communicating Across Cultures

Society and Ethics

Examine people and society through cultural anthropology, criminology, linguistics, philosophy, psychology, religion, education and history.

TRIMESTER ONE MARCH to JUNE

ANTH 101 Foundations of Society and Culture
ASIA 101 New Zealand and Asia
FHSS 103 Great Ideas
PSYC 121 Introduction to Psychology 1
SOSC 111 Sociology: Foundations and Concepts
CLAS 211 Myth and Storytelling
CRIM 212 Criminal Justice in New Zealand
EDUC 221 Youth, Society and Education
EDUC 243 Learning and Motivation
FHSS 207 The Future of Work
LANG 201 Capital Cities: Their Cultures and Stories
LING 221 Sociolinguistics
LING 226 Forensic Linguistics
PHIL 202 Ethics
POLS 209 Dictatorship and Revolutions
RELI 232 Violence and Conflict
EDUC 343 Youth and Life Challenges
PSYC 322 Memory
PSYC 338 Cross-Cultural Psychology
SOSC 305 Social Organisation

TRIMESTER TWO JULY to NOVEMBER

ANTH 102 Social and Cultural Diversity
ASIA 111 Introduction to Asian Histories and Cultures
CRIM 111 Introduction to Criminology
EDUC 101 Education, Society and Culture
FHSS 110 Reading the World: Languages and Cultures in Context
INTP 115 Introduction to Security Studies
LAWS 121 Introduction to the NZ Legal System
PHIL 106 Contemporary Ethical Issues
POLS 112 Introduction to Political Ideas
SOSC 112 New Zealand: Sociological Perspectives
CRIM 217 Criminal Psychology
FHSS 207 The Future of Work
INTP 213 Power, Influence and International Security
PHIL 264 Ethics and International Affairs
POLS 232 Citizen Politics: Public Opinion and Elections
PSYC 221 Social Psychology
RELI 229 Confronting Death
ANTH 201 Gender, Sexuality and Kinship
CRIM 303 Prisons in Aotearoa New Zealand
LING 330 Advanced Sociolinguistics
PSYC 335 Psychology, Crime and Law
ANTH 316 Visual Anthropology
SOSC 318 Social Movements and the State

Biotechnology and Biodiscovery

Biotechnology can be loosely defined as the application of biological understanding for societal benefit. At Victoria we study many different facets of Biotechnology, with emphasis on the pure and applied science that underlies specific applications, and on the cultural and ethical values, and economic and political issues, that this science impacts. Biodiscovery seeks to enhance health and wellbeing through discovery and application of nature-inspired products and processes.

TRIMESTER ONE MARCH to JUNE

BTEC 101 Introduction to Biotechnology

BMSC 116 Sex and Evolution

BIOL 114 Biology of Animals

BIOL 113 Biology of Plants

CHEM 113 Concepts of Chemistry

BIOL 252 Cell and Developmental Biology

BIOL 244 Introductory Biochemistry

PHIL 202 Ethics

BMSC 301 Medical Microbiology

BMSC 343 Advanced Genetics

BTEC 301 Biotechnological Techniques and Processes

BIOL 340 Genes and Genomes

CHEM 301 Organic Chemistry

CHEM 305 Chemistry Synthesis Laboratory

TRIMESTER TWO JULY to NOVEMBER

PHIL 106 Contemporary Ethical Issues

BMSC 117 The Biology of Disease

BIOL 111 Cell Biology

BIOL 132 Biodiversity and Conservation

CHEM 114 Principles of Chemistry

BIOL 219 New Zealand Flora and Fauna

BTEC 201 Molecular Biotechnology

BIOL 241 Genetics

BIOL 243 Physiology and Pharmacology

BIOL 227 Plants and Algae: Function and Diversity

BMSC 354 Pharmacology

BMSC 339 Cellular Regulation

BMSC 323 Systems Pathology

BMSC334 Cell and Immunobiology

Climate, Environment and Biodiversity

The impact of climate change on the earth's environment and diversity is the greatest challenge to a sustainable future for the earth. At Victoria you are able to study these subjects under the guidance of experts in these fields and acquire the tools to contribute to the collective global effort to minimise and manage the deleterious impact of climate change.

TRIMESTER ONE MARCH to JUNE

ESCI 111 The Earth System: An introduction to Physical Geography and Earth Sciences

SARC 131 Introduction to Sustainability in the Designed Environment

BTEC 101 Introduction to Biotechnology

ESCI 241 Introductory Field Geology

GEOG 217 Human Geography: Approaching Our World

BIOL 228 Animal Diversity

ENSC 301 Topics in Environmental Science

ESCI 301 Global Change: Earth Processes and History

ESCI 344 Field Geophysics

INFO 381 Information Systems for Sustainability

SCIS 212 Energy, Society and the Future

TRIMESTER TWO JULY to NOVEMBER

GEOG 112 Introduction to Human Geography and Development Studies

GEOG 114 Environment and Resources: the Foundations

BIOL 132 Biodiversity and Conservation

PHYS 131 Energy and Environmental Physics

ESCI 132 Antarctica: Unfreezing the Continent

GEOG 214/ENVI 214 Environment and Resource: New Zealand Perspectives

SARC 221 Building Materials and Construction

SARC 223 Human Environmental Science

ANTH 210 Environmental Anthropology

GEOG 220 Hydrology and Climate

TOUR 250 Managing Visitor Impacts

BIOL 219 New Zealand Flora and Fauna

ANTH 210 Environmental Anthropology

GEOG 321 Ice and Climate

SCIS 301 Historical Issues in Science in Society

PHYS 343 Topics in Applied Physics

BIOL 325 Global Change Biology: The Ecology of Our Planet Under Stress

GEOG 314/ENVI314 Advanced Environment and Resources: Global Issues

INTP 302 International Politics of the Environment

Data Science

Data Science combines ideas from statistics, computing and mathematics to provide new insights that are crucial to the survival of businesses, governments and institutions that want to transform their data into information, insights and novel data products.

TRIMESTER ONE MARCH to JUNE

DATA 101 Introduction to Data Science

COMP 112 Introduction to Computer Science

MATH 151 Algebra

INFO 151 Databases

STAT 193 Statistics in Practice

DATA 201 Techniques of Data Science

DATA 202 Data Management and Programming

LING 221 Sociolinguistics

MARK 203 Market Research

MATH 261 Discrete Mathematics 2

MATH 277 Mathematical Statistics

STAT 292 Applied Statistics 2A

DATA 302 Data Science Algorithms and Tools

DATA 303 Data and Decision Modelling

COMP 307 Introduction to Artificial Intelligence

MATH 353 Optimisation

STAT 335 Statistical Models for Actuarial Science

STAT 391 Mathematical Methods for Applied Statistics

COMP 112 Introduction to Computer Science

COMP 261 Algorithms and Data Structures

TRIMESTER TWO JULY to NOVEMBER

ENGR 123 Engineering Mathematics with Logic and Statistics

INFO 151 Databases

MATH 161 Discrete Mathematics and Logic

MATH 177 Probability and Decision Modelling

STAT 193 Statistics in Practice

SARC 122 Introduction to Applied Physics, Numerical Methods and Statistics for Designers

MARK 203 Market Research

DATA 201 Techniques of Data Science

BIOL 241 Genetics

GEOG 215 Introduction to Geographic Information Systems (GIS) and Science

INFO 264 Business Analytics

MDIA 206 Media and Digital Cultures

RELI 226 Psychology of Religion

DATA 301 Data Science in Practice

COMP 309 Machine Learning Tools and Techniques

MGMT 316 Decision Modelling for Managers

MARK 317 Marketing Decision Support

STAT 393 Linear Models

STAT 394 Multivariate Statistics

STAT 332 Statistical Inference

Software and Computing

Learn to make software that creates new opportunities for collaboration, sharing, trade and enterprise. Learn how engineers build the infrastructure that businesses and governments rely on, and how to keep those networks safe and secure. Find out how to stop data theft and look after the data networks on which so much of our economy is built.

TRIMESTER ONE MARCH to JUNE

CYBR 171 Cybersecurity Fundamentals

COMP 102 Introduction to Computer Program Design

COMP 112 Introduction to Computer Science

ENGR 101 Engineering Technology

SWEN 221 Software Development

INFO 231 Management of IT Projects

CGRA 251 Computer Graphics

NWEN 241 Systems Programming

CGRA 352 Image-based Graphics

ENGR 301 Project Management

*ENGR 301+ENGR 302 is a full year course with a large project. Most of the practical part takes place in part 2. Students can join a group in Tri. 2 or leave a group at the end of Tri. 1.

NWEN 30 Operating Systems Design

SWEN 326 Safety-Critical Systems

CGRA 151 Introduction to Computer Graphics

TRIMESTER TWO JULY to NOVEMBER

COMP 103 Introduction to Data Structures and Algorithms

COMP 132 Programming for the natural and social sciences

ENGR 111 Introduction to Renewable Energy Systems

COMP 261 Algorithms and Data Structures

NWEN 243 Network Applications

SWEN 225 Software Design

CGRA 350 Real time 3D Computer Graphics

COMP 313 Computer Game Development (limited entry)

COMP 361 Design and Analysis of Algorithms

ENGR 302 Group Project

*ENGR 301+ENGR 302 is a full year course with a large project. Most of the practical part takes place in part 2. Students can join a group in Tri. 2 or leave a group at the end of Tri. 1.

SWEN 325 Software Development for Mobile Platforms