香港教育大學
The Education University of Hong Kong

Second Majors
Minors

FACULTY OF LIBERAL ARTS AND SOCIAL SCIENCES
博文及社會科學學院
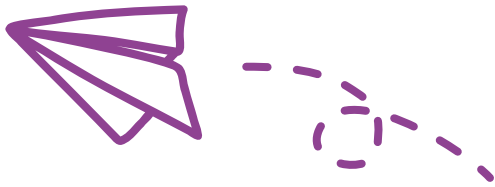
2025/26

Second Majors

Minors |

Second Majors

Students of 4-/5-year Full-time undergraduate degree programmes may be permitted to enroll in a Second Major, subject to (i) programme specific requirements; and (ii) GPA requirement of normally 3.0 or above in the first year of study.

However, for some programmes, there may be some restrictions on the choices of Second Majors. Please read carefully the requirements of the Second Major and consult the offering department/programmes for guidance and advice.

Normally, the minimum credit requirement for Second Major is 30 credit points out of the available credit points in the Elective domain. For programmes that require less than 30 credit points for the Electives domain, students may have to take extra credit points to fulfill the Second Major's requirement.

Second Major will not lead to a Qualified Teacher Status. Teaching practice or immersion/internship will not be arranged/involved for students of Second Majors.

To facilitate planning, students are required to indicate their intended Second Major by submitting their applications for taking Second Major online via The Portal between 1 and 31 March of the respective year (both dates inclusive) to obtain prior approval of the relevant party or unit (in the first year of study). Students may consult their Programme Leader/Coordinator for advice (and recommendation, if required by the respective Faculty) before submitting their applications.

Offering Departments:

Department of Health and Physical Education (HPE)

Department of Mathematics and Information Technology (MIT)

Department of Science and Environmental Studies (SES)

Department of Social Sciences and Policy Studies (SSPS)

More details:

https://curriculum.eduhk.hk/second.html

Geography

Coordinator	Dr HUI Lai Hang Dennis	huilh@eduhk.hk

This Second Major aims at developing students with the knowledge and understanding of:
- how natural environment influences human activities and vice versa;
- the changing development of geographical phenomena and issues in terms of space and time;
- the characteristics and functioning of major natural environments, through the analysis of the transformations of and interactions within them;
- the characteristics and development of major human activities in different geographical regions; and
- the geographical issues arising from people-environment interactions and the human responses to such issues, as well as the implications of these human responses for resource management and governance.

Pre-requisite Requirements and/or Other Conditions:
GPA requirement of normally 3.0 or above in the first year of study.

Course Code	Course Title
Choose any 10 courses	
GGP1001	Foundation of Physical Geography
GGP1002	Understanding Cultural and Human Geography
GGP2020	Spatial Data Analysis and GIS
GGP2021	Globalizing China: The People and Development
GGP3008	Climate Change and Global Warming
GGP3009	Economic Geography
GGP3022	Global Environmental Issues
GGP3023	Conservation and Management of Natural Resources
GGP4010	Geomorphology and Hydrology
GGP4011	Urbanization and Transportation: Theory and Policy
GGP4012	Tourism and Sustainability
GGP4025	Natural Hazards

Information and Communication Technology MIT / SSPS

Coordinator	Dr SINGH Manpreet	manpreet@eduhk.hk

This Second Major aims at providing students with a wide range of knowledge, concepts and applications of information and communication technology to develop problem-solving skills using Information and Communication Technology.

Pre-requisite Requirements and/or Other Conditions:
- Level 2 or above in Information and Communication Technology in HKDSE; or
- One Science Subject (Biology, Chemistry, Physics, Integrated Science, or Combined Science) in HKDSE; or equivalent qualification.
- The application will be considered on a case-by-case basis.
- BSc(AI&EdTech) students are not allowed to select Information and Communication Technology as Second Major.
- Students who take Information and Communication Technology as the Second Major are required to take INT3070/INT3090 and INT4072/INT4091 (the compulsory courses), plus any eight courses out of the seventeen courses.
- #Students who are studying in BEd(P)-MA and BEd(S)-MA should take INT3075, and are not allowed to take INT2067.

Course Code	Course Title
Core	
INT3070 / INT3090	Curriculum and Teaching Methods of IT / Curriculum, Pedagogy and Assessment in ICT Education
INT4072 / INT4091	Learning and Teaching of Selected Topics in IT / Trends and Development in Learning and Teaching of ICT
Choose any 8 courses	
IIT2059	Information Technology Supported Learning Environment
IIT3008	Database Management System
INT2065	Foundations of Information and Communication Technologies
INT2066	Web Design and Digital Authoring
INT2067 / INT3075	Introduction to Programming and Problem Solving# / Programming and Problem Solving for Mathematics#
INT3068	Computer Organization and Operating Systems
INT3086	Data Structures and Algorithms for Data Mining
INT3069	Internetworking
INT4074	Mobile Applications Design and Development
INT4027 / INT4087	Web Database Applications for Data Analytics
INT4029 / INT4088 / INT4096	Web Intelligence / Artificial Intelligence and Machine Learning / Artificial Intelligence and Machine Learning in Education
INT4089	Technologies in STEM and AI Education
SSC1193	Internet, Politics and Law

Primary Mathematics

Coordinator	Dr CHENG Kell Hiu Fai	khfcheng@eduhk.hk

This Second Major aims at assisting students in enhancing their mathematical knowledge and learning how to help others to acquire an in-depth understanding of and develop a passion for this fascinating subject.

Pre-requisite Requirements and/or Other Conditions:
- Level 3 or above in Mathematics (Compulsory Part) in HKDSE; or equivalent qualification.
- The applications will be considered on a case-by-case basis.
- For non-mathematics major students only.
- Students who take Primary Mathematics as the Second Major are required to take any three of the six courses in addition to MTH1025, MTH2168, MTH2176, MTH3177, MTH3166, MTH4164 and MTH4167.
- Students who are studying in BEd(S)-ICT and BSc(AI&EdTech) should take INT2067, and are not allowed to take INT3075.

Course Code	Course Title
Core	
MTH1025	Geometry and Measurement
MTH2168	Introduction to Sets, Logic and Discrete Mathematics
MTH2176	Mathematical Modelling for Problem-solving in Primary Mathematics
MTH3177	Mathematical Exploration with Technology for Mathematical Modelling
MTH3166	Learning, Teaching and Assessment in Primary Mathematics with STEM Education Elements
MTH4164	Design of STEM Activities for Mathematics Learning
MTH4167	Curriculum and Teaching of Selected Topics in Primary Mathematics with STEM Education Elements
Choose any 3 courses	
INT2067 / INT3075	Introduction to Programming and Problem Solving / Programming and Problem Solving for Mathematics
INT4060	Designing STEM Activities with Integrated Engineering and Mathematics
INT4061	Designing STEM Activities with Integrated Sciences and Technology
MTH2111	Development of Mathematical Ideas
MTH2162	Essential Number Theory
MTH4169	Introduction to Probability and Statistics

School Health

Coordinator	Dr OR Pui Lai Peggy	peggyor@eduhk.hk

This Second Major provides students with a basic understanding of health education. On completion of this Second Major, students should be able to:

- integrate knowledge, theory in providing health education in various train-the-trainer programmes in school and healthcare settings for a variety of clients including school children, teenagers, adults and patients in the community;
- implement evidence-based health education practice;
- diagnose health education problems, plan health education strategies, implement health education plans with patients; motivate patients to comply with health education, and evaluate outcomes;
- evaluate contemporary health issues in healthcare; and
- perceive and adapt to changes in the healthcare field in the global society; and in clients across the life course.

Course Code	Course Title
Choose any 10 courses	
HCS3023	Foundation of Health Education
HCS3031	Introduction to Primary Health
HCS3034	Pain Education
HCS3041	Mental Health Education
HCS3042	Health, Culture and Society
HCS4020	Contemporary Issues in School Health
HCS4021	Drug Education and Prevention
HCS4026	Health Counseling
HCS4029	Infection Control Education
HCS4038	Food Safety Education
HCS4046	Child and Adolescent Health Education
HCS4049	Peer Mediation

Science

SES

Coordinator	Dr CHAN Hoi Huen	chanhh@eduhk.hk

This Second Major aims to prepare qualified, competent, professional secondary science teachers capable of satisfying the educational needs of learners with different abilities within a community that values multiple aspects of intelligence. Students will have attained academic excellence and professional competence for effective teaching of science in schools. In particular, they will possess a solid command of science subject knowledge and skills in three scientific disciplines together with a firm and thorough grasp of the interrelationship between theory and practice. They will persistently affirm the importance of scientific literacy in our society and will be creative, responsible, and caring individuals who have a solid understanding of science, technology, society, and environment, as well as commitment to ethical values.

Pre-requisite Requirements and/or Other Conditions:
- HKALE – Grade E or above in the following three subjects (Biology/Human Biology; Chemistry; Physics/Engineering Science); or
- HKDSE – Level 2 or above in Integrated Science OR any two subjects of Biology, Chemistry, Physics and Combined Science.

Course Code	Course Title
Domain 1 (*compulsory)	
SCI3107 /	Foundations of Science and STEM Education*@ /
SCI3116	Science, Technology, Engineering & Society*@
Domain 2 (*compulsory; choose 1-2 courses among#)	
SCP2015 /	Electricity and Energy* /
SCI2113	Foundation Science: Matter, Energy & Change*
SES3057	Energy and Environment#
SCI2114	Foundation Science: The Earth & Beyond#
SCP2014	Mechanics and Waves#
Domain 3 (*compulsory; choose 1-3 courses among#)	
SCI2073 /	Studies in Forms and Processes of Life* /
SCI2111	Foundation Science: Life & Living*
SCB2001 /	Biodiversity#@ /
SCB3123	Biodiversity#@
SCB2002 /	Plant and Animal Physiology# /
SCB3125	Plant Physiology#
SCB2003	Ecology#
SCB3004	Human Anatomy and Physiology#
SCB3006 /	Cells and Microbiology#@ /
SCB3124	Cell Biology#@
Domain 4 (*compulsory; choose 1-3 courses among#)	
SCI2074 /	Chemistry Principles* /
SCI2115	Foundation Science: Introduction to Chemistry*
SCC3004	Analytical Chemistry: Instrumentation & Quantitative Analysis#
SCC3005	Materials Chemistry: Resource, Material & the Environment#
SCC3006	Industrial Chemistry: Environmental & Technology#
SCC3297	Advanced Chemistry Principles#

Students should complete a total of 10 courses across all four domains in accordance with the specific number of compulsory courses and required number of elective courses listed under each domain.
@ Students can take either of these two courses, but cannot take both.

Minors

Students of undergraduate degree programmes (except those programmes with programme / curriculum restriction) have the option of taking a Minor of 15 cps (or two Minors) of taught courses in the Elective Domain for graduation with Minor(s), subject to specific requirements of the Minor(s).

Starting from 2025/26 cohort, students of Double Degree Programmes are also allowed to take taught courses in Elective Domain for Minor(s). For programmes with no or insufficient credit points in Electives domain, students will need to take extra credit points to fulfill the requirement of minor(s) and the corresponding credit points and grades attained from the extra courses will be included in the Programme GPA calculation for award classification.

Some programmes may have restrictions on the choices of Minors. Please read carefully the requirements of the Minor and consult the offering department/programmes for guidance and advice.

Students are required to declare the Minor(s) by submitting their declaration form online via the Portal within two weeks after the Add/Drop period in the final semester of their studies.

Offering Departments:

Department of Health and Physical Education (HPE)

Department of Mathematics and Information Technology (MIT)

Department of Science and Environmental Studies (SES)

Department of Social Sciences and Policy Studies (SSPS)

More details:

https://curriculum.eduhk.hk/minor.html

Artificial Intelligence and Data Analytics MIT

Coordinator	Dr LI Wenjuan	lwenjuan@eduhk.hk

This Minor aims at equipping our undergraduate students with the knowledge and practical skills related to AI and data analytic technologies to strengthen their employability. By completing this new Minor, they will gain more experience with AI and data analytic technologies and develop their problem-solving skills and quantitative reasoning.

After completing the Artificial Intelligence and Data Analytics Minor, students will be able to:
- demonstrate an understanding of the essential knowledge of AI and data analytic technologies;
- recognise the importance of AI and data analytic technologies in making intelligent decisions; and
- apply skills and techniques related to AI and data analytic technologies to solve real-life problems.

Pre-requisite Requirements and/or Other Conditions:
BSc(AI&EdTech) students are not allowed to select Artificial Intelligence and Data Analytics as Minor.

Course Code	Course Title
Choose any 5 courses	
MTH4169	Introduction to Probability and Statistics
INT2067 /	Introduction to Programming and Problem Solving^ /
INT3075	Programming and Problem Solving for Mathematics^
INT2093	Fundamentals of Neural Networks
INT3071 /	Advanced Programming/
INT3086	Data Structures and Algorithms for Data Mining
INT4029 /	Web Intelligence# /
INT4088 /	Artificial Intelligence and Machine Learning# /
INT4096	Artificial Intelligence and Machine Learning in Education#
GGP2020	Spatial Data Analysis and GIS
LIN3046	Language Information Management

Remarks:
^ Students who are studying in BEd(P)-MA and BEd(S)-MA should take INT3075, and are not allowed to take INT2067; while students who are studying in BEd(S)-ICT should take INT2067, and are not allowed to take INT3075.
# Students who are studying in BEd(S)-ICT should take INT4029/INT4088, and are not allowed to take INT4096.

Business Career Development

SSPS

Coordinator	Dr LAW Kim Fai Eric	ekflaw@eduhk.hk

This Minor is designed to provide students with a basic understanding of the critical issues in business career development, thus enhancing their preparedness for career options in both business and/or non-business sectors. It introduces the essential business and management concepts and examines the evolving local business environment from political, social, legal and economic perspectives. It also discusses critically the organisational, managerial and cultural challenges as well as legal and ethical concerns in the business settings.

After completing the Business Career Development Minor, students should be able to:
- master the fundamental concepts of business communication and culture at workplace;
- demonstrate a solid understanding of the evolving business environment in Hong Kong and its impacts on societal and political aspects;
- appreciate the importance of entrepreneurship in business development and innovations;
- analyse and evaluate critically the managerial and organisational challenges in the contemporary business world; and
- develop a set of personal values and guiding principles based on strong business work ethics and moral conduct.

The total number of courses to opt for this Minor is 5.

Course Code	Course Title
Choose any 1 or 2 courses	
BUS1021	Business Communication and Cultural Diversity at Workplace
BUS1022	Management and Human Resources Development
BUS2012	Marketing
IBS1124	Business Environment in Hong Kong
Choose any 3 or 4 courses	
BUS4045	Financial Literacy Education for All Aged Groups
IBS3147	Legal and Ethical Issues in Business
IBS3151	Entrepreneurship and Small Business Management
SSC3238	Issues in Corporate Governance and Responsibility
SSC4215	Hong Kong Economy and the Global Market

Chinese History

Coordinator	Dr MA Kin Hang Matt	makinhang@eduhk.hk

Chinese History is an important subject in Hong Kong secondary schools particularly in junior forms. This Minor provides students with a basic understanding of the design and characteristics of the Chinese History curriculum in Hong Kong, and also equips them with the teaching skills of this subject. It introduces the continuity and changes of the history of China and Hong Kong with a focus on the inter-relationship among the geographic, economic, social, political and diplomatic developments from the pre-historic period to the present by adopting interdisciplinary approach. This Minor also emphasises the main features and achievements of the Chinese culture.

Pre-requisite Requirements and/or Other Conditions:
For non-BEd (CHI HIST) students only.

Course Code	Course Title
HIS1001	Study of Pre-modern Chinese History
HIS3002	Chinese History: Curriculum and Methods
SSC2038	History of Modern China
SSC3058	Study of Local History
SSC3132	History of Chinese Culture

Coding, Design and Technology MIT

Coordinator	Mr CHUI Hin Leung	mikechui@eduhk.hk

This Minor aims at equipping students with fundamental knowledge and principles in coding, design and technology, and prepare them for the 21st century challenges in all disciplines. Particularly, the Minor helps arouses the interest of students as a preparatory course to further their study in the Postgraduate Diploma of Education (Secondary) in Design and Technology (PGDE(S)-DT), which aims to qualify graduates to teach the Design and Applied Technology curriculum at the senior secondary levels in Hong Kong.

The ultimate objective is to prepare students to extend their major knowledge and become capable in solving real world problems with interdisciplinary knowledge, which is the fundamental principle of Science, Technology, Engineering and Mathematics (STEM) education. In this Minor, students will explore some basic concepts among some of these core disciplines with artistic design perspective and skills.

Course Code	Course Title
Choose any 5 courses	
ART3185	Digital Imaging and Interactive Media
IIT1082 /	Introduction to Programming and Problem Solvingˆ /
INT2067 /	Introduction to Programming and Problem Solvingˆ /
INT3075	Programming and Problem Solving for Mathematicsˆ
INT1022 /	Principles and Practice of Web Design* /
INT4073 /	Technologies in STEM Education# /
INT4089	Technologies in STEM and AI Education#
INT2058	Learning and Teaching of Selected Topics in Design and Technology
INT4059	Computer-Aided 3D Design and Printing Technologies
INT4062	Creative Multimedia and Design
INT4076	Problem-solving and Assessment in Design and Technology
SCI3033	Science, Technology and Society

Remarks:
* The course INT1022 "Principles and Practice of Web Design" has pre-requisite (IIT1082/INT2067 "Introduction to Programming and Problem Solving"). If students choose INT1022, they have to choose IIT1082/INT2067 together with three out of the six remaining courses to conclude the Minor.
ˆ Students who are studying in BEd(P)-MA and BEd(S)-MA should take INT3075, and are not allowed to take IIT1082 and INT2067; while students who are studying in BEd(S)-ICT and BSc(AI&EdTech) should take INT2067, and are not allowed to take INT3075.
Students who are studying in BSc(AI&EdTech) should take INT4089, and are not allowed to take INT1022 or INT4073.

Communication Studies in Policy and Governance SSPS

| Coordinator | Dr NG Fung Sheung Isabella | ifsng@eduhk.hk |

This Minor is a complementary programme designed to study media and communications of the contemporary society. It provides a theoretical foundation for students to understand not only the role of media in the political arena, social activities and economic development, but also the influences and impact of media in the local, regional as well as global context. This Minor also intends to cultivate students' communication skills and strategies in different aspects of life.

Course Code	Course Title
Minor Core	
SSC2183	Introduction to Communication
Choose any 4 courses	
ART2199	Photography and Moving Image
ART3185	Digital Imaging and Interactive Media
GCS3017	Youth, New Media and Internet Regulation in Greater China
SSC2184	Communication Studies in the Public and Education Sectors
SSC2190	Cross-Cultural Communication
SSC2191	Communication for Teaching
SSC2343	East Asian Popular Culture
SSC3203	Media, Politics and Power in International Communication

Remarks:
* Students must not take both the required courses and their equivalent courses. The equivalent courses cannot be used as substitution for the required courses to fulfill the Minor requirement.

Design of STEM Lessons

| Coordinator | Dr SO Chi Fuk Henry | hcfso@eduhk.hk |

This Minor uses innovative technology to integrate subject knowledge and pedagogies in the design of STEM lessons and activities. Its core courses focus on practical skills and STEM lesson design. They are supplemented by electives that offer subject knowledge from Science, Technology, Engineering and Mathematics.

Course Code	Course Title
Design and Technology Strand (Choose any 2 courses)	
INT4060	Designing STEM Activities with Integrated Engineering and Mathematics
INT4061	Designing STEM Activities with Integrated Sciences and Technology
INT4062	Creative Multimedia and Design
Mathematics Strand (Choose any 1 course)	
MTH1025	Geometry and Measurement
MTH3177	Mathematical Exploration with Technology for Mathematical Modelling
MTH4164	Design of STEM Activities for Mathematics Learning
Information Technology Strand (Choose any 1 course)	
INT2065	Foundations of Information and Communication Technologies
INT2067 / INT3075	Introduction to Programming and Problem Solving^ / Programming and Problem Solving for Mathematics^
INT3069	Internetworking
Science Strand (Choose any 1 course)	
SCG1001	Scientific Investigation: Principles and Techniques
SCI3107	Foundations of Science and STEM Education

Remarks:
^ Students who are studying in BEd(P)-MA and BEd(S)-MA should take INT3075, and are not allowed to take INT2067; while students who are studying in BEd(S)-ICT and BSc(AI&EdTech) should take INT2067, and are not allowed to take INT3075.

Education and Society

| Coordinator | Ms LEE Ching Jane | jclee@eduhk.hk |

This Minor will enable students not only to understand how education can enhance quality of life and social well-being in the community, but also to identify the challenges the education sector faces in supporting personal growth and community development.

After completing this Minor, students should be able to:
- explain different educational and pedagogical issues from a variety of sociological perspectives; and
- analyse the values of education in transforming society and the ethical dimensions of educational practices.

Course Code	Course Title
Choose any 2 courses	
BUS2070	Financial Literacy in Contemporary Society
ECE1196	Special Education – Family, School and Community Contexts
PFS2013	Philosophical and Socio-cultural Issues in Education
SSC2253	Social Theory for Critical Thinking
SSC2319	Schools and Society: Sociological Perspectives and Reflections
Choose any 3 courses	
ECE4233	Working with Families from Diverse Backgrounds
EDA3096	Teachers Working across Professions and Communities
SSC3234	Values Pluralism and Cultural Diversity in Hong Kong, China
SSC3320	Essential Elements in Educational Activities Design
SSC3345	The Study of Society: An Introduction

Entrepreneurship and Business Innovation

Coordinator	Dr LAW Kim Fai Eric	ekflaw@eduhk.hk

This Minor focuses on most recent innovation and technology in business as well as the latest development of information technology. It is designed for students of different disciplinary and learning backgrounds, so that they can critically select new technologies. Students are also trained with necessary competencies in knowledge and skills to set up and run their own business. Creativity and business innovation are emphasised in this Minor in order to develop attributes of entrepreneurship. Developing entrepreneurship among students does not simply aim at teaching them to start or run a new business. It focuses on developing positive values and attitudes, generic skills and knowledge which enable students to stay positive in uncertainties, as well as identify and realise the opportunities.

After completing this Minor, students should be able to
- demonstrate a solid understanding and command of the core concepts of entrepreneurship, creativity and innovation in a multi-cultural perspectives;
- recognise knowledge and skills on the latest development on innovation and technology of business in local, regional and global context;
- apply creative and critical thinking to solve business problems with ethical consideration; and
- exhibit the knowledge and practical skills in running a small business especially related to a start-up business.

Course Code	Course Title
Minor Core	
BUS1029	e-Business in Global Market
IBS3151	Entrepreneurship and Small Business Management
Choose any 3 courses	
BUS2012	Marketing
BUS4027	Technology in Business and Creativity
BUS4030	Running a Small Business in Practice
SSC3238	Issues in Corporate Governance and Responsibility
SSC3264	NGOs and Social Innovation

Global Governance Studies

| Coordinator | Dr HUI Lai Hang Dennis | huilh@eduhk.hk |

This Minor consists of five social science courses with a focus on political science as applied to global urban and environmental studies. This Minor will enable students first to come to a critical understanding of the political, economic, social, and cultural dimensions of globalisation. They will then examine globalisation's interrelationships with international organisations, international action to handle environmental change, international conflict, trends of urbanisation, urban governance and policy, and other regional and international social and political trends.

The total number of courses to opt for this Minor is 5.

Course Code	Course Title
Choose any 1 or 2 courses	
SSC1147	Introduction to Political Science
SSC3137	Globalization: Trends and Development
SSC3308	Globalisation and Social Changes
Choose any 3 courses	
SSC3104	Global Environmental Governance
SSC3186	Climate Change and Society
SSC3187	The Politics of Climate Change
SSC3189	World Ethics and Climate Change
SSC3212	Global Political Economy
SSC3243	Urban Growth, Governance and Smart City Development
SSC3274	Global Politics

Remarks:
* Students can only take either SSC3137 or SSC3308.

Hong Kong Studies

Coordinator	Dr CHAN Yiu Ming Gordon gymchan@eduhk.hk

This Minor is designed to:
- facilitate exchange students in their choices of minor and courses;
- enhance the learning experiences and knowledge of students in the BEd programmes; and
- widen the horizon of students in other existing non-BEd programmes.

The total number of courses to opt for this Minor is 5.

Course Code	Course Title
Minor Core	
SSC2231	Foundations of Hong Kong Studies
Choose any 1-2 courses	
CAC2010	Hong Konger: Art & Music
CHI3712	Cantonese and Hong Kong Local Culture
SSC1341	Gender and Society
SSC1342	Love, Intimacy & Families: Myths & Inequalities
SSC2246	Law and Society in Hong Kong, China
Choose any 2-3 courses	
CHI3582 / LIT3014	Literature in Hong Kong
SSC3058	Study of Local History
SSC3229	Social & Geographical Changes in Hong Kong
SSC3234	Values Pluralism and Cultural Diversity in Hong Kong, China
SSC4305	Hong Kong, China in the Greater Bay Area: Opportunities and Challenges
SSC4215	Hong Kong Economy and the Global Market

Information and Communication Technology

Coordinator	Dr SINGH Manpreet	manpreet@eduhk.hk

This Minor aims at providing students with a wide range of knowledge, concepts and applications of information and communication technology to develop problem-solving skills using Information and Communication Technology.

Course Code	Course Title
Minor Core	
INT2030	Teaching Information Technology in School Education
Choose any 4 courses	
INT2065	Foundations of Information and Communication Technologies
INT2066	Web Design and Digital Authoring
INT2067 /	Introduction to Programming and Problem Solving^ /
INT3075	Programming and Problem Solving for Mathematics^
IIT2059	Information Technology Supported Learning Environment
IIT3008	Database Management Systems
INT3069	Internetworking
INT3028	Web Services Fundamentals
INT4029 /	Web Intelligence# /
INT4088 /	Artificial Intelligence and Machine Learning# /
INT4096	Artificial Intelligence and Machine Learning in Education#

Remarks:
^ Students who are studying in BEd(P)-MA and BEd(S)-MA should take INT3075, and are not allowed to take INT2067; while students who are studying in BSc(AI&EdTech) should take INT2067, and are not allowed to take INT3075.
# Students who are studying in BSc(AI&EdTech) should take INT4096, and are not allowed to take INT4029 and INT4088.

Junior Secondary Science

| Coordinator | Dr CHAN Hoi Huen | chanhh@eduhk.hk |

This Minor aims to empower students with the competence to pedagogical content knowledge and relevant skills for teaching Junior Secondary Science. Students will be familiarised with the current trends and development of Science curriculum in Hong Kong. Elements of STEM and service-based learning will be incorporated into the course as well.

The total number of courses to opt for this Minor is 5, including SCI3110.

Course Code	Course Title
Minor Core	
SCI3110	Teaching and Learning of Junior Secondary Science
Biology courses (Choose any 1-2 courses)	
SCI2073 / SCI2111	Studies in Forms and Processes of Life or Foundation Science: Life & Living
SCB3004	Human Anatomy and Physiology
Chemistry courses (Choose any 1-2 courses)	
SCI2074 / SCI2115	Chemistry Principles or Foundation Science: Introduction to Chemistry
SCC3297	Advanced Chemistry Principles
Physics courses (Choose any 1-2 courses)	
SCP2014	Mechanics and Waves
SCP2015 / SCI2113	Electricity and Energy or Foundation Science: Matter, Energy & Change

Law and Society

| Coordinator | Dr CHAN Yiu Ming Gordon | gymchan@eduhk.hk |

This Minor comprises a cluster of social science subjects each focusing on various dimensions of law in theory and practice. It aims at exposing students to multiple disciplinary perspectives, such as political science and sociology, and to their interactions with law. Its spatial dimensions inform students of the discourse and practice of laws and legal regimes in local, regional and global contexts. Its temporal dimension guides students to reflect upon the manners in which the past has helped shape the present multidisciplinary understandings of law and their implications for future. Students who wish to develop their careers in the public, private and legal sectors will find this Minor useful and indispensable.

After completing this Minor, participants should be able to:
- explain the major legal discourse and controversies in contemporary Hong Kong, China and global societies;
- integrate and apply the theories and research methods in the study of law-related issues from different temporal and spatial dimensions;
- articulate the key concepts and theories thereof through in-depth case studies; and
- appreciate and practice diversity of thoughts, cultures and perspectives.

The total number of courses to opt for this Minor is 5.

Course Code	Course Title
Choose any 1-2 courses	
SSC1193	Internet, Politics and Law
SSC2219	Legal Reforms in Modern China
SSC2246	Law and Society in Hong Kong, China
Choose any 3-4 courses	
IBS3147	Legal and Ethical Issues in Business
SSC3208	Rule of Law and Civil Society
SSC3238	Issues in Corporate Governance and Responsibility
SSC3274	Global Politics
SSC3304	Hong Kong, China under "One Country, Two Systems"

National & Moral Education

Coordinator	Dr LAW Kam Yee	kamyee@eduhk.hk

This Minor introduces learners to the latest debates on ideals, practices and issues in National and Moral Education. Through a reflective-inquiry approach, learners will be able to develop a critical understanding of concepts and theories in national and moral education. Besides, this Minor intends to enrich participants' knowledge and understanding of important themes and issues related to the family life, morality, community and citizenship in Hong Kong, important political, cultural, social and economic themes and issues in China with multiple perspectives and critical understanding, and to provide participants with a basic understanding of the nature and characteristics of the national moral and related civic education curriculum in Hong Kong secondary schools. Major models, approaches and strategies in designing, implementing and evaluating school and community-based national, moral and civic education will be introduced and critically examined in the local context.

Course Code	Course Title
Choose any 5 courses	
SSC2038	History of Modern China
SSC2173	National and Moral Education: Ideals and Practices
SSC3019	Local Themes and Issues
SSC3174	National Themes and Issues
SSC3234	Values Pluralism and Cultural Diversity in Hong Kong, China
SSC3301	Values Education Curriculum Development in Hong Kong Schools

Primary Mathematics

Coordinator	Dr CHENG Kell Hiu Fai	khfcheng@eduhk.hk

This Minor aims at assisting students in enhancing their mathematical knowledge and learning how to help others to acquire an in-depth understanding of and develop a passion for this fascinating subject.

Pre-requisite Requirements and/or Other Conditions
For non-mathematics major students only.

Course Code	Course Title
Minor Core	
MTH2176	Mathematical Modelling for Problem-solving in Primary Mathematics
MTH3166	Learning, Teaching and Assessment in Primary Mathematics with STEM Education Elements
MTH3177	Mathematical Exploration with Technology for Mathematical Modelling
MTH4167	Curriculum and Teaching of Selected Topics in Primary Mathematics with STEM Education Elements
Choose any 1 course	
INT2067 / INT3075	Introduction to Programming and Problem Solving[#] / Programming and Problem Solving for Mathematics[#]
INT4060	Designing STEM Activities with Integrated Engineering and Mathematics
INT4061	Designing STEM Activities with Integrated Sciences and Technology
MTH2168	Introduction to Sets, Logic and Discrete Mathematics

Remarks:
[#] Students who are studying in BEd(S)-ICT and BSc(AI&EdTech) should take INT2067, and are not allowed to take INT3075.

Public Policy and Management

SSPS

| Coordinator | Dr XIAO Hanyu | hxiao@eduhk.hk |

This Minor aims at catering students' new demand for knowledge and skills for their career development in public sector, public bodies (e.g. Trading Fund and Housing Authority), think tanks, policy consultancy and other relevant sectors.

Course Code	Course Title
Choose any 5 courses	
POS3008	Inequality and Social Policies in Contemporary Society
PPG6002	Public Policy and Governance: Processes and Technique#
PUA1021	Soccer Management and Governance
PUA2013	Managing and Organising Social Enterprises
PUA2014	Organisational Budget Management
PUA3009	International Public Management
PUA4030	Coalition Building and Policy Advocacy
SSC3259	Strategic Communication and Public Relations Management
SSC4311	Quantitative Research Methods*
SSC4260	Advanced Methods for Public Policy Analysis and Evaluation: Quantitative Research*

Remarks:
PPG6002 is a core course from Master of Public Policy and Management (MPPM)/Master of International Relations and Development (MIRD). Students who want to register for this master-level course as a Minor course should obtain a Programme GPA of 3.0 or above, and have to submit an application form via email to ssps@eduhk.hk. Application form and details for the master level course can be found at https://gs.eduhk.hk/current/course-sharing-of-master-level-courses-with-bachelor-programmes
* Students must not take both the required courses and their equivalent courses. The equivalent courses cannot be used as substitution for the required courses to fulfill the Minor requirement.

Resources Management

| Coordinator | Ms LEE Ching Jane | jclee@eduhk.hk |

This Minor covers diversified aspects in relation to conservation and management of various resources, sustainable development, urbanisation, globalisation and GIS skills. Courses pertinent to physical and cultural resources planning and management can enhance students' understanding of the problems associated with the use or misuse of our resources and current management practices of resources conservation. Other courses examine the essential concepts and practices of globalisation, urbanisation and sustainable development.

Students who adopt the Resources Management Minor will be equipped with the essential knowledge of both physical and cultural resources conservation and management. They will not only be interested in pursuing their further studies in the field of geography or environmental studies, but will also develop their career in the fields related to resources management, including job opportunities in the Environmental Protection Department, the Agriculture, Fisheries and Conservation Department, green NGOs and environmental consultancies.

The total number of courses to opt for this Minor is 5.

Course Code	Course Title
Choose any 1 or 2 courses	
GGP1002	Understanding Cultural and Human Geography
GGP2020	Spatial Data Analysis and GIS
SSC2315	Society and Nature
Choose any 3-4 courses	
GGP3017	Protected Areas Planning and Management
GGP3018	Principles and Practice of Ecotourism
GGP3019	Cultural Heritage Conservation and Management
SSC3229	Social and Geographical Changes in Hong Kong
SSC3309	Urban Communities and Liveability
SSC4140	Sustainable Development and Policy
SSC4336	Issues in Heritage Conservation and its Policy

Science for Environmental Management

Coordinator	Dr MAN Yu Bon Brian	ybman@eduhk.hk

This Minor aims to provide students with knowledge and practical skills in the areas of environmental science, and for applications in environmental and industrial sectors.

Course Code	Course Title
Minor Core	
SCI2111	Foundation Science: Life & Living [Note 1]
SCI2113	Foundation Science: Matter, Energy & Change [Note 2]
SCI2115	Foundation Science: Introduction to Chemistry [Note 3]
Choose any 4 courses	
SCC3004	Analytical Chemistry: Instrumentation & Quantitative Analysis
SCC3005	Materials Chemistry: Resource, Material & the Environment
SCC3006	Industrial Chemistry: Environmental & Technology
SCB2001 / SCB3123	Biodiversity
SCB3006 / SCB4126	Cells and Microbiology / Microbiology
SES3056	Innovative Technologies for Environmental Management
SES3057	Energy and Environment

Remarks:

Students who take Science for Environmental Management as a Minor should (1) take the corresponding number of Core courses and/or Elective courses according to the number of Core courses they are required and allowed to take, and (2) complete a total of five courses from this list of Minor Core and/or Minor Elective courses below in order to fulfil the requirements of this Minor.

The Minor Core courses (SCI2111, SCI2113 and SCI 2115) are for students who did not obtain a specific result in public examinations/other recognised examinations. See Notes 1-4 below for details and an example. Students who take these Core courses and plan to take Science for Environmental Management as a Minor will be requested to provide public examination results for verification when necessary.

Note 1: Students who obtained level 3 or above in Biology in HKDSE or equivalent grades in other recognised examinations/qualifications will not be allowed to take SCI2111 to declare this Minor. Such students should take one course from the list of Minor elective courses below to substitute SCI2111.

Note 2: Students who obtained level 3 or above in Physics in HKDSE or equivalent grades in other recognised examinations/qualifications will not be allowed to take SCI2113 to declare this Minor. Such students should take one course from the list of Minor elective courses below to substitute SCI2113.

Note 3: Students who obtained level 3 or above in Chemistry in HKDSE or equivalent grades in other recognised examinations/qualifications will not be allowed to take SCI2115 to declare this Minor. Such students should take one course from the list of Minor elective courses below to substitute SCI2115.

Note 4: For example, if a student obtained level 3 in Chemistry and Physics in HKDSE or equivalent grades in other recognised exams/qualifications, s/he should NOT take SCI2113 and SCI2115, and s/he should take SCI2111 and four elective courses in order to fulfil the requirements of this Minor. For such a student, if s/he registers for the courses SCI2113 and SCI2115, these courses will be regarded as electives only and will not be counted towards this Minor.

Social Studies

Coordinator	Ms LEE Ching Jane	jclee@eduhk.hk

This Minor integrates social theories with the practices of social research in order to expose students to multiple perspectives, enable them to understand the interrelationship between theories and practices, and equip them with practical skills for conducting social research. In spatial dimension, it leads students to apply the theories and research methods to in-depth studies of various issues related to the local, the national and the global levels. In temporal dimension, it guides students to explore how the past has shaped the present and future developments in different contexts.

After completing this Minor, students should be able to:
- understand some major social theories and social research methods;
- integrate and apply the theories and research methods to the study of the issues and problems at different temporal and spatial dimensions;
- grasp and revisit the key concepts and theories through in-depth case studies; and
- appreciate the diversity of thoughts, cultures and perspectives.

The total number of courses to opt for this Minor is 5.

Course Code	Course Title
Choose any 0-2 courses	
SSC1148	Introduction to Sociology and Social Research
SSC1341	Gender & Society
SSC1342	Love, Intimacy & Families: Myths & Inequalities
SSC2211	Conducting Survey Research
SSC2253	Social Theory for Critical Thinking
SSC2343	East Asian Popular Culture
Choose any 3-5 courses	
SSC3212	Global Political Economy
SSC3213	Society and Culture: Hong Kong Context
SSC3234	Values Pluralism and Cultural Diversity in Hong Kong, China
SSC3302	Social Impacts of New Technologies and Artificial Intelligence
SSC3307	Individual and Society
SSC3308	Globalisation and Social Changes
SSC3310	Qualitative Research Methods
SSC4214	China and the Modern World
SSC4311	Quantitative Research Methods
SSC4313	Sports and Community Development
SSC4314	Digital Communities in the Information Age

Sustainable Tourism

| Coordinator | Dr LIU Shuwen, Karen | sliu@eduhk.hk |

This Minor will develop students an in-depth understanding about delivering ecotourism in real-life practices. Fieldtrips will be arranged in the Greater Bay Area and other Asian regions. The Minor will equip the students with knowledge and perspectives about the linkage between tourism and social mobility, and about opportunities and challenges of tourism on quality of life.

Upon the completion of the Minor, students will be able to:
▪ analyse the social, cultural, environmental and economic impacts of tourism in the age of globalisation; and
▪ explain the linkage between tourism, sustainable development and quality of life with reference to empirical examples.

Course Code	Course Title
Choose any 5 courses	
GGP3017	Protected Areas Planning and Management
GGP3018	Principles and Practice of Ecotourism
GGP3019	Cultural Heritage Conservation and Management
GGP4012	Tourism and Sustainability
GGP4030	Accreditation and Certification for Tourism Industry
INS3069	Environmental Education and Communication
SES2049	Environmental Science and Management
SSC4336	Issues in Heritage Conservation and its Policy

Notes

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