香港教育大學
The Education University
of Hong Kong

Undergraduate Programme Course List

Programme Title:	Bachelor of Science (Honours) in Artificial Intelligence and Educational Technology and Bachelor of Education (Honours) (Information and Communication Technology and Primary Science)
Programme Short Name:	BSc(AI&EdTech) & BEd(ICT&PSci)
Programme Code:	A5B111
Year of Entry:	2026/27

Major

Course Code	Course Title
Discipline Studies Major (AI&EdTech)	
Major Core	
INT1092	Introduction to Educational Technology
INT2067	Introduction to Programming and Problem Solving
INT3086	Data Structures and Algorithms for Data Mining
INT4096	Artificial Intelligence and Machine Learning in Education
INT4098	Applied Robotics with Applications to Special Education
INT2093	Fundamentals of Neural Networks
INT2094	Introduction to Natural Language Processing
INT3151	Python Programming Lab
INT4153	Cyber Security and the Application in Education
Major Elective (Choose 2 out of 5 courses)	
INT4059	Computer-Aided 3D Design and Printing Technologies
INT4074	Mobile Applications Design and Development
INT4XXX	Technologies in STEAM and AI Education
INT3068	Computer Organisation and Operating Systems
INT4097	Deep Learning for Computer Vision and Education

Internship	
INT4152	Internship
Education Major (ICT&PSci)	
SCI2111	Foundation Science: Life & Living
SCI2115	Foundation Science: Introduction to Chemistry
IIT2059	Information Technology supported learning environment
SCI2113	Foundation Science: Matter, Energy & Change
INT2065	Foundations of Information and Communication Technologies
TBC	Science, Technology, Engineering & Society
SCI2114	Foundation Science: The Earth & Beyond
IIT3008	Database Management Systems
INT3069	Internetworking
TBC	Teaching & Learning of Primary Science
INT4155	Designing STEAM Activities with Integrated Sciences and Technology
Cross-Faculty Core Course	
CFA1001	Cross-Faculty Core Course (Component I: Basic Law and National Security Education)
CFB3011	Cross-Faculty Core Course (Component II: Visits in Greater Bay Area)
CFC1031	CFCC-Component III: Exploration of STEAM Education in School Settings
CFC3006	CFCC-Component III: Practice of Tai Chi and Healthy Lifestyle Culture in GBA
CFC3015	CFCC-Component III: Urban Heritage Management

Education Studies – *for teacher education programme*

Course Code	Course Title
Education Studies – Pedagogy for Major	
INT3090	Curriculum, Pedagogy and Assessment in ICT Education
INT4091	Trends and Development in Learning and Teaching of ICT
Education Studies Core	
PSY2050	Basic Psychology for Educators: Useful Concepts from Educational and Positive Psychology

PFS2013	Philosophical and Socio-cultural Issues in Education
TLS3092	Effective Teaching & Positive Classroom Learning Environment
TLS3098	Curriculum and Assessment
SED4116	School Guidance and Managing Diversity
EDA4149	Teachers and Teaching in Context
Education Studies – Restricted Electives	
TLS3005	Assessment for Productive Learning
TLS3007	School-based Curriculum Development
TLS3008	Teaching Innovations
TLS3056	Enquiring Into School-Based Assessment: Issues and Strategies
EDA3035	Promoting Social Justice in Schools
EDA3097	Practical Legal Knowledge for Teachers
EDA4099	Hong Kong Education Stories: History, Policy and Advocacy
EDA4100	Rethinking and Reimagining Education
PFS2043	International Schools in Global Context
PFS3032	Learning and Teaching in International Schools
PFS3046	International Perspectives on Education in Hong Kong
PFS3048	Globalization and Education
PFS4044	Life and Values Education
PFS4047	Education for a Meaningful Life: Great Thinkers
PSY2020	Human Development across the Lifespan
PSY3018	Child and Adolescent Psychopathology
PSY3019	Stress and Coping
PSY3021	Learning Theories and Processes
COU3009	Counselling Theories, Process and Practice
COU4030	Comprehensive School Guidance
SED3002	A Whole School Approach to Inclusive Practices
SED4074	Developing an Inclusive Classroom for Diverse Learning