THE UNIVERSITY OF HONG KONG
FACULTY OF EDUCATION

Master of Science in Technology, Design and Leadership for Learning [MSc(TDLL)]^

Specialist Strand

MSc(TDLL) provides students with opportunities to develop expertise within a selected specialist area. The specialisms expand upon the fundamental ITE knowledge and skills developed through the core courses. Currently, three specialist strands are offered to students: E-learning, Education and Technology Leadership, and Learning Technology Design. Students are required to complete three specialist courses, which provide them with advanced theoretical knowledge and skills related to the area of a selected specialist strand. Furthermore, the students engage in working on a capstone project where they will apply, test, demonstrate and extend their specialist knowledge under guidance of more experienced peers.

Students are provided with opportunities to select three elective courses from a pool of Master's level courses within the Faculty of Education, HKU. This choice should ideally contribute to broadening students' expertise and ability to explore, analytically, education and ICT-related issues.

Students have already selected a specialist strand during the application period. Choice of a specialist strand can be changed before the submission of TDLL7000 contract or within the first semester of studying in the MSc(TDLL), whichever the earlier, subject to quota availability. Students can only opt for one specialist strand even if they may be eligible for additional strands. Please refer to the syllabuses for the specialist course list. All courses are offered according to demand and a course may not be offered if it is under enrollment. Therefore, it is not guaranteed that all courses under the specialist strands can be offered regularly.

The following table provides examples of content and professional opportunities that MSc(TDLL) graduates might pursue in the future. The MSc(TDLL) lecturers are continually researching, learning and innovating. The curriculum is flexible to incorporate emerging topics equipping students with the most up-to-date knowledge and skills.

Specialist Strand	*Examples of Content**	*Examples of Careers***
E-learning	▪ Design and facilitation of e-learning such as distance/online education, corporate training and professional development programmes. ▪ Administering Learning Management Systems (LMS) and associated technologies for the implementation of e-learning. ▪ Learning theories, instructional design concepts and adult learning,	▪ E-learning facilitators ▪ E-learning instructional designers ▪ Course designers ▪ E-learning managers ▪ Corporate trainers. ▪ Distance education specialist.

	organisational learning and design and implementation of e-learning ▪ Data science and learning analytics	
Education and technology leadership	▪ Analysis and development of ICT policies. ▪ ICT school leadership. ▪ Designing and administering professional development of teachers ▪ Evaluation of the impact of ICT on organisational practices and changes ▪ Emerging technologies and their impact on educational practices, policy and changes ▪ Digital culture and educational practice ▪ Organisational learning	▪ School technology coordinator ▪ ICT policy leaders in an educational or corporate context
Learning Technology Design	▪ Design of educational multimedia such as learning objects, digital resources for learning, educational games, simulations, educational web-sites, digital videos, Apps, and interactive AR/VR/MR visual content for teaching and learning. ▪ Instructional design practices and theories and their impact on educational media design. ▪ Explore and evaluate a wide range of multimedia design tools, multimedia products, environments for the delivery of resources, and modelling/cognitive tools. ▪ Mobile and ubiquitous technology in education.	▪ Educational multimedia designer ▪ Digital media publisher ▪ Educational media specialist ▪ Course/Learning designers ▪ Instructional designers

* These are examples of the key content covered within a specialist strand. The MSc(TDLL) team is constantly learning and innovating. Our curriculum remains flexible to incorporate emergent practices and technologies to ensure that graduates are equipped with the most up-to-date knowledge, skills and capabilities.

** There are numerous other possibilities. With technological developments and increased needs for education related services across the globe new possibilities will be created.

^ *Formerly known as Master of Science in Information Technology in Education [MSc(ITE)]*