

THE UNIVERSITY OF HONG KONG**Master of Science in Engineering in Microelectronics Science and Technology**
[MSc(Eng)(MEST)]
Credit Unit Statement

(This credit unit statement is applicable to students admitted in the academic year 2024-25 and thereafter)

The Master of Science in Engineering in Microelectronics Science and Technology curriculum consists of taught courses and a capstone experience (dissertation). The curriculum requires candidates to complete 72 credits with a total study load of 308 contact hours and 1,800 learning hours. All courses are 6 credit in value, except the 24-credit Dissertation.

Taught courses (6 credits)

These courses aim at providing students with advanced education and training in the innovative design and technology. The total study load of each of these courses is normally between 120 and 180 hours, including 30-36 contact hours of lectures and/or tutorials. The assessment is generally based on coursework assignments and written examination. The written examination is normally 2-3 hours. The coursework: examination ratio for courses ranged from 20:80 to 100:00. Assessment methods are decided by the individual teachers. Continuous assessment tasks may include in-class quiz, lab reports, group project, written assignments (totalling no more than 5,000 words) and so on.

Dissertation (24 credits)

The Dissertation provides Capstone Experience of the curriculum. It aims to provide an opportunity for students to apply what they have learnt from working on a project with support from their supervisor and fellow students, making their learning experience inclusive, enjoyable, and career beneficial. The total study load is expected to be 600 hours, including the project report, oral presentation and supporting course components. The total written output for the project is expected to be around 9,000-15,000 words. All assessment results will contribute to the final result of the project and is 100% based on coursework. Contact hours are minimal (10-20 hours) because students do independent work under the guidance of a supervisor.