

The Chinese University of Hong Kong
Mathematics and Information Engineering Programme (MIEG)
Student Consultation Paper on Change of Units Required for Graduate

This is a consultation by the MIEG Programme Committee to seek the views from the potential MIEG students on the change of the minimum number of units required for graduate from 123 units to 126 units, retroactive to 2016-17 entrants. MIEG programme aims at excellence in nurturing and educating mathematically-trained engineers and researchers for the information world of today and tomorrow. The committee perceived a distinct lack of discrete mathematics and algorithms course content in the current curriculum and felt that in the computation dominated era that we are in, it would be useful to have these courses in the MIEG curriculum.

The subsequent curriculum changes will include:

- (a) The addition of two new required courses:
 - (i) CSCI3160/ESTR3104 Design and Analysis of Algorithms
 - (ii) ENGG2440/ESTR2004 Discrete Mathematics for Engineers
- (b) The removal of MATH2070 Algebraic Structures (as a required course) and the option of taking MATH3280 Introductory Probability in lieu of ENGG2430/ESTR2002 Probability and Statistics for Engineers.
- (c) The increase of major elective courses from 9 units to 12 units and a clause that students should take at least 9 units of the major electives from the CSCI/ENGG/IERG/SEEM engineering courses;

Please find enclosed the documents for details:

- (1) [Revised Study Scheme applicable to students admitted in 2016-17](#)
- (2) [Suggested Study Plan](#)
- (3) [CSCI3160/ESTR3104](#) and [ENGG2440/ESTR2004](#)

The Committee invites potential MIEG students and all interested stakeholders to give feedback on the proposal, so that the views of students and stakeholders are recognized. Comments may be put forward through email or writing to the Secretary of the MIEG Programme Committee by the 3rd Feb., 2017.

Secretary
MIEG Programme Committee
Rm834, Ho Sin Hang Engineering Building
The Chinese University of Hong Kong
Shatin, N.T.
Tel: (852) 3943 8387
Fax: (852) 2603 5032
Email: ksleung@ie.cuhk.edu.hk