Interdisciplinarity within Professional Curricula

The University of Hong Kong
C9 plus 1 Symposium on April 12-13, 2018
Strategic Framework

Interdisciplinarity  Innovation  Internationalization
Promoting interdisciplinarity in education

- Common Core Curriculum
- English and Chinese
- Capstone experience
- Experiential learning
- Entrepreneurial training
- Major + Minor + Electives
How we fit it but retaining professional core?

- Offering more broad-based university-wide Common Core courses (e.g. Everyday computing, Electronics technologies, Energy, Cyberspace crime, Built environment, Virtual reality, Big data, Robotics, Machine Vision …)
- Max credit limit can be expanded to 288 credits
- Designate one course as "English in the Discipline"
- Retaining a large portion out of 240 credits for Engineering Core, Discipline Core, Capstone and Specialization (144-174 credits)
- Introduce Focus/Specializations, e.g. AI, Bio-nano materials, Robotics, Sustainable infrastructure, Big data, EinTech, …
- Capstone project incorporated within the Engineering curricula
- Capstone experience
- Experiential learning
- Introduce a new course about product realization and entrepreneurship
- Keep "Internship" as a compulsory course

Engineering Core + Discipline Core + Specialization

Common Core Curriculum

English and Chinese
Can we enlarge our frame?

Solid Core with Flexibility

- Common Core Curriculum
- Expanding Engineering training through other components
- English and Chinese
- Entrepreneurial training
- Capstone experience
- Experiential learning
- Tackling real-life problems in new ways
Blending interdisciplinarity in Engineering – experiential learning
Our goal is to create opportunities for the best academic talents to excel and advance human knowledge to the benefit of society.