CPEG Curriculum Structure

Total Credits
= 36 (U. Core)
+ 27* + 62*
= 125 Credits
* min taken

Required & Electives
62/63 Credits

Semiconductors / VLSI Area
Fall Offering : PURPLE
Spring Offering : BLUE
Offering in Both terms : RED
- Pre-requisite
- Co-requisite
- OR
Multiple input arrows: AND
[F]: Recommended to take in Fall
[S]: Recommended to take in Spring

Signal Processing Area
Communications Area
Embedded System / Robotics Area
Software / Database Area
Systems / Networking Area
Graphics / Multimedia Area

Semiconductors / VLSI Area
** At least 2 courses from one single area and at least 2 courses outside that area (15)

A.I. / Theory Area

Restricted electives (Any 1 course from below)
Operating Systems [S] COMP 3511 (3)
Intro Embed. Sys. [S] ELEC 3300 (4)

2 out of 3 courses
Sys. View of Comm. [F] ELEC 1200 (4)
Signal & Systems [S] ELEC 2100 (4)
Electronic Circuits [S] ELEC 2400 (4)

Comp Organ. [S] COMP 2611 / ELEC 2350 (4)

Engineering Fundamentals
27/28 Credits

Calculus I [F] MATH 1012/13 (3)
Calculus II [S] MATH 1014 (3)
Physics I [F] PHYS 1112* (3)
Physics II [S] PHYS 1114 (3)

Linear Algebra [F] MATH 2111 (3)
Multivar Calculus [F] MATH 2011 (3)

Calculus II [S] MATH 2011 (3)

Probability [F] ELEC 2600 (4)
Intro to OPP [F] COMP 2011 (4)

Intro to COMP [F] COMP 1021/1022P/1022Q (3)
Intro to COMP [F] COMP 1971 (0)
or Co-op Program CPEG 4910 (6)

Operating Systems [S] COMP 3511 (3)
Intro Embed. Sys. [S] ELEC 3300 (4)

Final Year Project (6) + Industrial Experience CPEG 1971 (0)

Electro-Robot [F] ELEC 1100 (4)
Design & Analysis of CA COMP 4611 (3)
Electronic Circuits [S] ELEC 2400 (4)

D. Math [F] COMP 2711/H (4)

Comp Organ. [S] COMP 2611 / ELEC 2350 (4)

Engg Seminar ENGG 2010 (0)

A & P D II [F/S] CPEG 3930 (0)
A & P D I [F/S] CPEG 2930 (0)

* Students without Level 3 or above in HKDSE 1/2x OR in HKDSE 1x Physics are required to take PHYS 1001 first

Last Update: 20 Jun 2019