CPEG Curriculum Structure

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

Required & Electives
62/63 Credits

Semiconductors / VLSI Area
Signal Processing Area
Communications Area
Embedded System / Robotics Area
Software / Database Area
Systems / Networking Area
Graphics / Multimedia 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)
Digital Circuits [S] ELEC 2200 (4)
D. Math [F] COMP 2711/H (4)
Probability [F] ELEC 2600 (4)
Intro. to OPP [F] COMP 2011 (4)
Intro. to COMP [F] COMP 1021/1022P/1022Q (3)

Mobile App. Dev. [F] COMP 4521 (3)
Design & Analysis of CA [F] COMP 4611 (3)
Embed. Sys. Design [F] ELEC 4310 (4)
FPGA-based Design [F] ELEC 4320 (3)
Mobile Embed. System [F] ELEC 4330 (3)

Electro-Robot [F] ELEC 1100 (4)
Electronic Circuits [S] ELEC 2400 (4)
Coms View of Comm. [F] ELEC 1200 (4)
Systems View of Comm. [F] ELEC 2100 (4)

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

Final Year Project (6)

A & P D II [F/S] CPEG 3930 (0)
A & P D I [F/S] CPEG 2930 (0)
Industrial Experience CPEG 1971 (0)
Engg Seminar ENGG 2010 (0)

Mobile Embed. [F] ELEC 4330 (3)
Design & Analysis of CA [F] COMP 4611 (3)
Operating Systems [S] COMP 3511 (3)
Probability [F] ELEC 2600 (4)
Intro. to OPP [F] COMP 2011 (4)
Tech. Comm. II [F/S] LANG 4030 / 4031 (3)

OR

Mobile App. Dev. [F] COMP 4521 (3)
Design & Analysis of CA [F] COMP 4611 (3)
Embed. Sys. Design [F] ELEC 4310 (4)
FPGA-based Design [F] ELEC 4320 (3)
Mobile Embed. System [F] ELEC 4330 (3)

Electro-Robot [F] ELEC 1100 (4)
Electronic Circuits [S] ELEC 2400 (4)
Coms View of Comm. [F] ELEC 1200 (4)
Systems View of Comm. [F] ELEC 2100 (4)

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

Fall Offering : PURPLE
Spring Offering : BLUE
Offering in Both terms : RED
Pre-requisite
Co-requisite
OR
Multiple input arrows: AND
( ) : No. of credit
[F]: Recommended to take in Fall
[S]: Recommended to take in Spring

Last Update : 28 Feb 2019

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