

CPEG Curriculum Structure

Total Credits
30 (Common Core) +
27* + 62* (Major Requirements)
= 119 Credits
*** min taken**

Final Year Project (6) + Industrial Experience CPEG 1971 (0)
 or Co-op Program CPEG 4910 (6)

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 : 18 Aug 2023

COMP/ELEC 2xxx
 Level or above (3)

Communications
 Area

Signal Processing
 Area

Semiconductors / VLSI
 Area

A.I. / Theory
 Area

Embedded System /
 Robotics Area

Software / Database
 Area

** At least 2 courses from one single
 area and at least 1 course outside that
 area (12)

Systems / Networking
 Area

Graphics / Multimedia
 Area

**Required &
 Electives**
62/63 Credits

Restricted electives (Any 1 course from below)

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

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

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

Engg Seminar
 ENGG 2010 (0)

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)

OOP & D.S. [F]
 COMP 2012 (4)

Electro-Robot [F]
 ELEC 1100 (4)

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

Probability [F]
 ELEC 2600 (4)

Intro. to OPP [F]
 COMP 2011 (4)

Tech. Comm. II [F]
 LANG 4030 / 4031 (3)

**Engineering
 Fundamentals**
27/28 Credits

Calculus I [F]
 MATH 1012/13 (3)

Calculus II [S]
 MATH 1014 (3)

Engr. Intro. [S]
 SENG XXXX (3/4)

Intro. to COMP [F]
 COMP 1021/
 1022P (3)

Tech. Comm. I [S]
 LANG 2030 (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)

* Students without Level 3 or above in HKDSE 1/2x OR in HKDSE 1x Physics are required to take PHYS 1101 first