

Computer Engineering Program

Last Update : 18 Aug 2023

Recommended pattern of study (Normal Pattern) for 2020-21 Entrants

Semester / Year	Course 1	Course 2	Course 3	Course 4	Course 5	Course 6	Course 7	Course 8	Total # of credits
Fall / Year 1	COMP 1021/ COMP 1022P	MATH 1012/ MATH 1013	LANG 1002	PHYS 1112*/ PHYS 1312	Common core 1	ENGG 1010			15
Spring / Year 1	SENG Intro	MATH 1014	LANG 1003	PHYS 1114/ PHYS 1314	Common core 2	ENGG 1010			15
Fall / Year 2	COMP 2011	ELEC 1100	MATH 2111	Common core 3	Common core 4	CPEG 2930	ENGG 2010		17
Spring / Year 2	COMP 2611/ ELEC 2350	ELEC 1200/ ELEC 2100/ ELEC 2400 (2 out of 3 courses)		LANG 2030	Common core 5	CPEG 2930	ENGG 2010	CPEG 1971	18
Fall / Year 3	COMP 2012	COMP 2711/ COMP 2711H/ ELEC 2600	MATH 2011	Common core 6	Common core 7	CPEG 3930	ENGG 2010	CPEG 1971	17
Spring / Year 3	COMP 3511	ELEC 3300	COMP/ELEC 2000-level or above (3 credits)	Common core 8	Common core 9	CPEG 3930	ENGG 2010	CPEG 1971	16
Fall / Year 4	COMP 4521/ COMP 4611/ ELEC 4310/ ELEC 4320/ ELEC 4330	COMP/ELEC** (3 credits)	COMP/ELEC** (3 credits)	FYP I/ CPEG 4910	LANG 4030/ LANG 4031				15
Spring / Year 4	COMP/ELEC** (3 credits)	COMP/ELEC** (3 credits)	FYP II/ CPEG 4910	Common core 10					12

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

** The 12 credits of COMP/ELEC are divided as 5 courses with each course worth 3 credits.

Note:

1. The program requires a minimum of 120 credits for graduation.
2. Some courses can be used to fulfill both Major and University Common Core Requirements. Students may reuse a maximum of 9 credits of these courses to count towards both Requirements.

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Recommended pattern of study (Research Option) for 2020-21 Entrants

Semester / Year	Course 1	Course 2	Course 3	Course 4	Course 5	Course 6	Course 7	Course 8	Course 9	Total # of credits
Fall / Year 1	COMP 1021/ COMP 1022P	MATH 1012/ MATH 1013	LANG 1002	PHYS 1112*/ PHYS 1312	Common Core 1	ENGG 1010				15
Spring / Year 1	SENG Intro	MATH 1014	LANG 1003	PHYS 1114/ PHYS 1314	Common Core 2	ENGG 1010				15
Fall / Year 2	COMP 2011	ELEC 1100	LANG 2030	MATH 2111	Common Core 3	CPEG 2930	ENGG 2010		ELEC 5900+ UROP 1100	17
Spring / Year 2	COMP 2611/ ELEC 2350	ELEC 1200/ ELEC 2100/ ELEC 2400 (2 out of 3 courses)		Common Core 4	Common Core 5	CPEG 2930	CPEG 1971	ENGG 2010	OR COMP 5000- level course	18
Fall / Year 3	COMP 2012	COMP 2711/ COMP 2711H/ ELEC 2600	MATH 2011	Common Core 6	Common Core 7	CPEG 3930	CPEG 1971	ENGG 2010	<i>(Students have the flexibility to take the courses in one of these terms.)</i>	18
Spring / Year 3	COMP 3511	ELEC 3300	COMP/ELEC 2000 or above (3 credits)	Common Core 8	Common Core 9	CPEG 3930	CPEG 1971	ENGG 2010		17
Fall / Year 4	COMP 4521/ COMP 4611/ ELEC 4310/ ELEC 4320/ ELEC 4330	COMP/ELEC** (3 credits)	COMP/ELEC** (3 credits)	FYT I / CPEG 4910	LANG 4030/ LANG 4031	COMP/ELEC PG-level elective				18
Spring / Year 4	COMP/ELEC** (3 credits)	COMP/ELEC** (3 credits)	FYT II / CPEG 4910	Common Core 10						12

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

** The 12 credits of COMP/ELEC are divided as 5 courses with each course worth 3 credits.

Note:

- The program requires a minimum of 120 credits for graduation.
- Some courses can be used to fulfill both Major and University Common Core Requirements. Students may reuse a maximum of 9 credits of these courses to count towards both Requirements.

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Recommended pattern of study (Late Pattern) for 2020-21 Entrants

Semester / Year	Course 1	Course 2	Course 3	Course 4	Course 5	Course 6	Course 7	Course 8	Total # of credits
Fall / Year 1	COMP 1021/ COMP 1022P	MATH 1012/ MATH 1013	LANG 1002	PHYS 1112*/ PHYS 1312	Common Core 1	ENGG 1010			15
Spring / Year 1	SENG Intro	MATH 1014	LANG 1003	Common Core 2	Common Core 3	ENGG 1010			15
Fall / Year 2	Common Core 4	Common Core 5	Common Core 6	Common Core 7	Common Core 8	CPEG 2930	ENGG 2010		15
Spring / Year 2	COMP 2011	ELEC 1100	MATH 2011	MATH 2111	PHYS 1114/ PHYS 1314	CPEG 2930	ENGG 2010	CPEG 1971	17
Fall / Year 3	COMP 2711/ COMP 2711H/ ELEC 2600	COMP 2611/ ELEC 2350	ELEC 1200/ ELEC 2100/ ELEC 2400 (1 out of 3 courses)	LANG 2030	Common Core 9	CPEG 3930	ENGG 2010	CPEG 1971	18
Spring / Year 3	COMP 2012	ELEC 1200/ ELEC 2100/ ELEC 2400 (1 out of 3 courses)	COMP/ELEC 2000 or above (3 credits)	Common Core 10	CPEG 3930	ENGG 2010	CPEG 1971		14
Fall / Year 4	COMP 3511	ELEC 3300	COMP/ELEC** (3 credits)	FYP I / CPEG4910	LANG 4030/ LANG 4031				16
Spring / Year 4	COMP 4521/ COMP 4611/ ELEC 4310/ ELEC 4320/ ELEC 4330	COMP/ELEC** (3 credits)	COMP/ELEC** (3 credits)	COMP/ELEC** (3 credits)	FYP II/ CPEG4910				15

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

** The 12 credits of COMP/ELEC are divided as 5 courses with each course worth 3 credits.

Note:

1. The program requires a minimum of 120 credits for graduation.
2. Some courses can be used to fulfill both Major and University Common Core Requirements. Students may reuse a maximum of 9 credits of these courses to count towards both Requirements.

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Recommended pattern of study (Exchange Pattern) for 2020-21 Entrants

Semester / Year	Course 1	Course 2	Course 3	Course 4	Course 5	Course 6	Course 7	Course 8	Total # of credits
Fall / Year 1	COMP 1021/ COMP 1022P	MATH 1012/ MATH 1013	LANG 1002	PHYS 1112*/ PHYS 1312	Common Core 1	Common Core 2	ENGG 1010		18
Spring / Year 1	SENG Intro	MATH 1014	LANG 1003	PHYS 1114/ PHYS 1314	Common Core 3	Common Core 4	ENGG 1010		18
Fall / Year 2	COMP 2011	ELEC 1100	LANG 2030	MATH 2111	Common Core 5	Common Core 6	CPEG 2930	ENGG 2010	20
Spring / Year 2	ELEC 1200/ ELEC 2100/ ELEC 2400 (2 out of 3 courses)		MATH 2011	Common Core 7	Common Core 8	CPEG 1971	CPEG 2930	ENGG 2010	17
Fall / Year 3	COMP 2012	COMP 2711/ COMP 2711H/ ELEC 2600	COMP 2611/ ELEC 2350	Common Core 9	Common Core 10	CPEG 1971	CPEG3930	ENGG 2010	18
Spring / Year 3	Going Out for Exchange								
Fall / Year 4	COMP 3511	COMP/ELEC 2000 or above (3 credits)	COMP/ELEC** (3 credits)	COMP/ELEC** (3 credits)	LANG 4030/ LANG 4031	FYP I/ CPEG 4910	ENGG 2010		20
Spring / Year 4	COMP 4521/ COMP 4611/ ELEC 4310/ ELEC 4320/ ELEC 4330	ELEC 3300	COMP/ELEC** (3 credits)	COMP/ELEC** (3 credits)	FYP II/ CPEG 4910				17

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

** The 12 credits of COMP/ELEC are divided as 5 courses with each course worth 3 credits.

Note:

- The program requires a minimum of 120 credits for graduation.
- Some courses can be used to fulfill both Major and University Common Core Requirements. Students may reuse a maximum of 9 credits of these courses to count towards both Requirements.

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Recommended pattern of study (Minor Pattern) for 2020-21 Entrants

Semester / Year	Course 1	Course 2	Course 3	Course 4	Course 5	Course 6	Course 7	Course 8	Total # of credits
Fall / Year 1	COMP 1021/ COMP 1022P	MATH 1012/ MATH 1013	LANG 1002	PHYS 1112*/ PHYS 1312	Common core 1	Common core 2	ENGG 1010		18
Spring / Year 1	SENG Intro	MATH 1014	LANG 1003	PHYS 1114/ PHYS 1314	Common core 3	MINOR 1	ENGG 1010		18
Fall / Year 2	COMP 2011	ELEC 1100	MATH 2111	Common core 4	Common core 5	MINOR 2	CPEG 2930	ENGG 2010	20
Spring / Year 2	COMP 2611/ ELEC 2350	ELEC 1200/ ELEC 2100/ ELEC 2400 (2 out of 3 courses)		LANG 2030	Common core 6	CPEG 2930	ENGG 2010	CPEG 1971	18
Fall / Year 3	COMP 2012	COMP 2711/ COMP 2711H/ ELEC 2600	MATH 2011	Common core 7	Common core 8	CPEG 3930	ENGG 2010	CPEG 1971	17
Spring / Year 3	COMP 3511	ELEC 3300	COMP/ELEC 2000 or above (3 credits)	Common core 9	MINOR 3	CPEG 3930	ENGG 2010	CPEG 1971	16
Fall / Year 4	COMP 4521/ COMP 4611/ ELEC 4310/ ELEC 4320/ ELEC 4330	COMP/ELEC** (3 credits)	COMP/ELEC** (3 credits)	FYP I/ CPEG 4910	LANG 4030/ LANG 4031	MINOR 4			18
Spring / Year 4	COMP/ELEC** (3 credits)	COMP/ELEC** (3 credits)	FYP II/ CPEG 4910	Common core 10	MINOR 5	MINOR 6			18

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

** The 12 credits of COMP/ELEC are divided as 5 courses with each course worth 3 credits.

Note:

1. The program requires a minimum of 120 credits for graduation.
2. Some courses can be used to fulfill both Major and University Common Core Requirements. Students may reuse a maximum of 9 credits of these courses to count towards both Requirements.