

## Contribution of courses to programme outcomes (CIEV)

		Programme Outcomes											
		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
<i>University Common Core</i>													
Chinese Communication										TP			
English Communication										TP	TP		
Healthy Lifestyle											TP		TP
Quantitative Reasoning			TP										
Social Analysis								P		TP	TP	P	TP
Science and Technology								P		TP	TP	P	TP
<i>Engineering Fundamental Courses</i>													
CHEM 1010/ 1020								P		TP	TP	TP	TP
COMP 1021/ 1022P/1022Q/2011	TP			TP	TP								
ENGG 1010					P		P		T	TP	T	P	
ENGG 2010												T	TP
LANG 2030										TPM	TP	TPM	TP
MATH 1012/1013 + 1014/ MATH 1020 / MATH 1023 + 1024	TP										P		
MATH 2011	TP										P		
MATH 2350	TP										P		
PHYS 1112/ 1312	TP										P		
<i>Required Courses</i>													
CIVL 1010										P		TPM	TPM
CIVL 1100		T	P		TP			T			T	T	
CIVL 2010										P		TPM	TPM
CIVL 2020		TP	P	P	TP			P		P		P	
CIVL 2110	TPM	TPM		TP	TP			T			T	T	
CIVL 2120	TPM	TPM		T	TP	TP		T	T	TP	T	T	T
CIVL 2160	TP	TP		TP	TP			TP	TP				
CIVL 2170	T			T	T			T			T		
CIVL 2410	T	T			T				T			T	
CIVL 2510	T	T	P										
CIVL 2810	TP	TP	PM	TP	TP	T	P	TP	P	T	P	T	
CIVL 3010									P			TPM	TPM
CIVL 3020					P		P	P	P	P	P	P	
CIVL 3210					T		T	T			T	T	
CIVL 3310		TP	TP		TP	T			TP				
CIVL 3320		T	P		T	TPM			TM				
CIVL 3420	TP	TP	TP	TP	TP	TPM			TPM	P	T	TP	T
CIVL 3510	T	T		TP	TP	TPM	T	TPM	P	T	P	T	
CIVL 3610	T	T		T		T			T			T	
CIVL 3730	TP	TP	TPM	TP	TP	TP			TP				
CIVL 3740	TP	TP	TP	T	TP	TPM	TP	TP	TM	TP	T	T	T
CIVL 4910			TPM	TPM	TPM				PM	TPM	TPM		
CIVL 4920			TPM	TPM	TPM				PM	TPM	TPM		
CIVL 4950	P	P		TPM	PM	TPM	TPM			TPM	TPM	TPM	
LANG 4033										TP	TP		TP

Requirements on:

1. Computer Science: COMP1021 or COMP1022P or COMP1022Q or COMP2011
2. Chemistry: CHEM1010 or CHEM1020
3. Mathematics: [MATH1012/1013 & MATH1014, or MATH1023 & MATH1024, or MATH1020] and MATH2011 and MATH2350
4. Physics: PHYS1112 or PHYS 1312

5. CIVL3210 or CIVL 3610: CIEV students can choose either one of the courses to fulfil the programme requirements. **Notes: T – TEACH P – PRACTICE M – MEASURED**

## Contribution of courses to programme outcomes (CIVL)

		Programme Outcomes											
		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
<u>University Common Core</u>													
Chinese Communication										TP			
English Communication										TP	TP		
Healthy Lifestyle											TP		TP
Quantitative Reasoning				TP									
Social Analysis								P		TP	TP	P	TP
Science and Technology								P		TP	TP	P	TP
<u>Science and Engineering Fundamentals</u>													
CHEM 1010/ 1020								P		TP	TP	TP	TP
COMP 1021/ 1022P/1022Q/2011		TP			TP	TP							
ENGG 1010						P		P		T	TP	T	P
ENGG 2010												T	TP
LANG 2030										TPM	TP	TPM	TP
MATH 1012/1013 + 1014/ MATH 1020 / MATH 1023 + 1024		TP									P		
MATH 2011		TP									P		
MATH 2350		TP									P		
PHYS 1112/ 1312		TP									P		
<u>Major Requirements</u>													
CIVL 1010										P		TPM	TPM
CIVL 1100			T	P		TP		T			T	T	
CIVL 2010										P		TPM	TPM
CIVL 2020			TP	P	P	TP		P		P		P	
CIVL 2110		TPM	TPM		TP	TP		T	T		T	T	
CIVL 2120		TPM	TPM		T	TP	TP	T	T	TP	T	T	T
CIVL 2160		TP	TP		TP	TP		TP	TP				
CIVL 2170		T			T	T		T			T		
CIVL 2410		T	T			T				T		T	
CIVL 2510		T	T	P									
CIVL 2810		TP	TP	PM	TP	TP	T	P	TP	P	T	P	T
CIVL 3010										P		TPM	TPM
CIVL 3020						P		P	P	P	P	P	
CIVL 3210						T		T	T		T	T	
CIVL 3310			TP	TP		TP	T		TP				
CIVL 3320			T	P		T	TPM		TM				
CIVL 3510		T	T		TP	TP	TPM	T	TPM	P	T	P	T
CIVL 3610		T	T		T		T		T			T	
CIVL 3730		TP	TP	TPM	TP	TP	TP		TP				
CIVL 3740		TP	TP	TP	T	TP	TPM	TP	TM	TP	T	T	T
CIVL 4910				TPM	TPM	TPM			PM	TPM	TPM		
CIVL 4920				TPM	TPM	TPM			PM	TPM	TPM		
CIVL 4950		P	P		TPM	PM	TPM	TPM		TPM	TM	TPM	
LANG 4033										TP	TP		TP

Requirements on:

1. Computer Science: COMP1021 or COMP1022P or COMP1022Q or COMP2011
2. Chemistry: CHEM1010 or CHEM1020
3. Mathematics: [MATH1012/1013 & MATH1014, or MATH1023 & MATH1024, or MATH1020] and MATH2011 and MATH2350
4. Physics: PHYS1112 or PHYS 1312

**Notes:**

**T – TEACH    P – PRACTICE    M – MEASURED**