

**ARTICULATION SCHEDULE
FOR DUAL DEGREE BACHELOR PROGRAM**

Proposed PCU-Taiwan Tech International Dual-Degree Bachelor Program curriculum

Year	1 st (PCU)		2 nd (PCU)		3 rd (NTUST)		4 th (NTUST)		
Semester	1	2	3	4	5	6	7	8	
Courses /Credits	[1] Mathematics I (3)	[2] Mathematics II (3)	[3] Mathematics III (3)	[15] Design of Concrete Structure I (3)	[17] Project Management (3)	<u>[25] Advanced Reinforced Concrete Design (3)</u>	[29] Capstone Course (3)	<u>[31] Behavior of Steel Members (3)</u> M1	
	[5] Construction Materials Technology (2)	[8] Structural Analysis I (3)	[13] Soil Mechanics II (2)	[16] Design of Steel Structure I (3)	[18] Foundation Engineering (3)	<u>[26] Advanced Structural Steel Design (3)</u>	<u>[21] Construction Management (3)</u> M1	<u>[27] Pavement Engineering (3)</u>	
	[6] Statics (3)	[9] Concrete Technology (3)	[14] Programming Language (3)	[4] Mathematics IV (3)	<u>Geometric Design of Road (2)</u>	[19] Project Planning and Control (3)	<u>[30] Behavior of Reinforced Concrete Members (3)</u> M1	<u>[33] Building Utilities (2)</u>	
	[7] Technical Drawing (3)	[10] Soil Mechanics I (3)	<u>Surveying (3)</u>	<u>Structural Analysis II (4)</u>	<i>Physics I + Lab. (4) (as Basic physics in PCU)</i>	<u>[28] Civil Engineering Construction (1) (3)</u>	<u>[37] Civil Engineering Construction (2) (3)</u> M1	<u>Practical Work (2) (Summer)</u>	
		[11] Construction I (2)	<u>Statistics (2)</u>	<u>Irrigation and Hydraulics Structures (3)</u>	<u>Chemistry + Lab. (4)</u>		<u>[35] Thesis (I) (3)</u>	<u>[36] Thesis (II) (3)</u>	
		[12] Mechanics of Material (3)	<u>Hydraulics (3)</u>	<u>Design of Timber Structure (2)</u>	<u>Engineering Materials (3)</u>	<u>Physics II + Lab.(4)</u>		<u>[32] Seminar (2)</u>	
		<u>Fluid Mechanics (3)</u>	<u>Hydrology Engineering (2)</u>	Professional Ethics (2)		<u>Environmental Engineering (2)</u>	<u>[20] Engineering Economics (3)</u>		
			<u>Chinese I (4)</u>	<u>Chinese II (2)</u>	<u>English I (2)</u>	<u>English II (2)- Scientific Writing Tehnic (2)</u>			
	Liberal Arts								
		Ethics (2)	Pendidkan Kewarganegaraan (2)	Bahasa Indonesia (2)					

	Pancasila (2)							
	Religion Philosophy (2)							
Total Credit	17	22	24	22	21	20	18	15
	Total 85				Total 74			

Total 149 credits + 10 credits of Chinese and English

[A] Total required credits:

136 for CCE at Taiwan Tech (English Field: 12; Liberal Arts: 12; Literature Field: 6; History Field: 4)
144 at PCU.

[B] For dual degree students, Physical Education should be taken for 2 semesters.

Note:

- Black: compulsory courses for both Universities;
- Red: some course are compulsory courses in PCU and can be recognized as expertise courses in NTUST.
- Blue: Liberal Arts and elective courses (at Taiwan Tech, part of elective courses credits (in Civil Engineering) could be term as liberal arts, to meet the requirement of total 12 credits)
- Blue: some course are compulsory courses in NTUST and can be recognized as elective courses in PCU.
- 10 credits of Chinese and English. (TOEIC shall be higher than 750.)
- Program students can choose “Internship” or “Practice work” in summer vocation.

English course could be waived if passing English tests with specific standard (學校規定的抵免標準如下)。

相當全民英檢抵免 等級標準				課程名稱	修習 學分數	免修或抵免	實得 學分數	適用抵免對象	
中高級 (TOEIC 750)	中級複試 (TOEIC 550)	中級初試	(TOEIC350) 初級複試	基礎英文字彙與閱讀	2	抵免	0	全校四年制學生	
				生活美語	2	抵免	0		
					英文字彙與閱讀 (一)	2	抵免	0	除應外系學生外之各 系四年制學生
					英語口語訓練 (一)	2	抵免	0	
				英文字彙與閱讀 (二)	2	抵免	0		
				英語口語訓練 (二)	2	抵免	2		
				進階英文(一)	2	抵免	2		
				進階英文(二)	2	抵免	2		
			進階英文(三) *需具備相當於 TOEIC 750 分以上之資格方得修課	2	自由選修	2	自由選修		