

# 國立交通大學系統工程與科技學位學程共同課程通則

## National Chiao Tung University

### Guidelines for System Engineering and Technology Program Joint Curriculum

107 學年度上學期第 6 次共同教育委員會所屬課程委員會通過(108.01.25)

107 學年度第 2 次課程委員會通過(108.05.23)

107 學年度第 4 次教務會議核備(108.06.06)

Resolved by the sixth Curriculum Committee of the General Education Committee of the first semester in 2018 Academic Year on January 25, 2019

Resolved by the second School Curriculum Committee in 2018 Academic Year on May 23, 2019

Approved by the fourth Academic Affairs Meeting in 2018 Academic Year on June 6, 2019

第1條 國立交通大學（以下簡稱本校）為使系統工程與科技學位學程(以下簡稱本學程)之共同課程規劃及學生修習共同課程有所依循，特訂定本通則。

Article 1 National Chiao Tung University (hereinafter referred to as “NCTU”) hereby prescribe these Guidelines to establish the principles for the planning of and student enrollment in the joint curriculum of the System Engineering and Technology Program (hereinafter referred to as the “Program”).

第2條 本學程之共同課程分為通識課程、基礎科學課程、外國語文領域及其他必修課程。

一、通識課程：包含必修課程及通識選修課程。

二、基礎科學課程。

三、外國語文領域：包括英文基礎課程、其他外語課程。

四、其他必修課程：包含入伍教育、體育課程、暑期教育、愛國教育、服務學習及聯合畢業典禮。

Article 2 The joint curriculum of the Program includes the general education courses, fundamental science courses, foreign language field and other mandatory courses.

I. General education covers the mandatory courses and elective courses.

II. Fundamental science courses.

III. Foreign language field covers the fundamental English courses and other foreign language courses.

IV. Other mandatory courses covers the military orientation training, physical education, summer programs, patriot education, service learning, and joint commencement ceremony.

第3條 共同課程總學分數 64 學分。其學分數之安排如下：

一、通識課程：33 學分，並符合下列規定：

1. 必修課程 23 學分。

2. 通識選修課程 10 學分，於通識選修「文史領域」、「社會領域」、「管理領域」、「自然領域」、「國防領域」等五大領域各選修一門。

二、基礎科學課程 23 學分。

三、外國語文領域：8 學分。

1. 英文基礎課程：6 學分，於第三學期前修畢。

2. 其他外語課程(通識選修)：2 學分，於通識選修「語文領域」選修一門。

3. 「中級英文」加修、免修相關規定依「本學程教育計畫」辦理(見備註)。

四、其他必修課程：

1. 入伍教育：由陸軍官校代訓，8 週。

2. 體育課程：0 學分，八學期。

3. 暑期教育：27 週，分於第二、四、六學期後實施。

4. 愛國教育及聯合畢業典禮：4 週。

5. 服務學習：0 學分，分於第二、三學期實施。

Article 3 The joint curriculum offers 64 credits in total. The number of credits that can be earned is as follows:

- I. General education: 33 credits in accordance with the following requirements:
  1. 23 credits of mandatory courses.
  2. 10 credits of elective general education courses. Select one of the five fields of the elective general education courses, “Literature and History,” “Social,” “Management,” “Science” and “National Defense.”
- II. 23 credits of fundamental science courses.
- III. Foreign language field: 8 credits.
  1. Fundamental English courses: 6 credits to be completed before the third semester.
  2. Other foreign language courses (elective general education courses): 2 credits from one course in the “Language” field of the elective general education courses.
  3. Additional and exempted enrolments in “Intermediate English” are subject to the “Program Education Plan” (see note).
- IV. Other mandatory courses:
  1. Military orientation training: Conducted by the Republic of China Military Academy. 8 weeks.
  2. Physical education: 0 credits. 8 semesters.
  3. Summer programs: 27 weeks. Implemented after the second, the fourth and the sixth semesters.
  4. Patriot education and joint commencement ceremony: 4 weeks.
  5. Service learning: 0 weeks. Implemented during the second and the third semesters.

第4條 本學程共同課程之師資、科目、排課等事宜由共同教育委員會、通識教育中心、語言教學與研究中心負責規劃辦理。

Article 4 The faculty, subjects and course schedule of the joint curriculum of the Program will be arranged and implemented by the General Education Committee, Center for General Education, Language Teaching and Research Center.

第5條 本通則經校課程委員會審議通過、教務會議核備後實施，修正時亦同。

Article 5 These Guidelines and any amendments thereof shall be effective upon the resolution of the School Curriculum Committee and approval of the Academic Affairs Meeting.

## 附錄:共同必修科目表

### Appendix: Joint Mandatory Subject List

#### 108 學年度以後 (含) 共同必修科目表

#### Joint Mandatory Subject List from and after 2019 Academic Year

領域 Field	類別 Type	畢業採計學分數 Graduation Credits	
		小計 Subtotal	合計 Total
通識課程 General education	必修課程 Mandatory courses	23	33
	通識選修課程 Elective general education courses	10	
基礎科學課程 Fundamental science courses	基礎科學課程 Fundamental science courses	23	23
外語 Foreign language	英文基礎課程 Fundamental English courses	6	8
	其他外語課程(通識選修) Other foreign language courses (elective general education courses)	2	
	中級英文(見備註)	0	

	Intermediate English (see note)		
其他必修課程 Other mandatory courses	入伍教育 Military orientation training	0	0
	體育課程 (八學期) Physical education (8 semesters)	0	
	暑期教育 Summer programs	0	
	愛國教育及聯合畢業典禮 Patriot education and joint commencement ceremony	0	
	服務學習 Service learning	0	0

備註：

- 於第 4 學期結束後，如未持有通過下列任一項英文鑑測合格之成績證明者，自第 5 至 6 學期(三年級) 必須加修「中級英文(1)」、「中級英文(2)」各 2 學分。加修期間，若通過英文鑑測標準者，得於次學期免修，申請免修中級英文於每學期第 16 週週五前截止，惟加修學分不得列入最低畢業學分內
  - 「全民英檢」中級複試及格(含)以上。
  - 「多益測驗」650 分(含)以上。
  - 「網路化托福 (IBT)」61 分(含)以上。
  - 「雅思」5 分(含)以上。

Note:

- After the fourth semester, each student who does not pass one of the following English proficiency tests shall enroll in the “Intermediate English (I)” and “Intermediate English (II)”, 2 credits each, during the fifth and the sixth semesters (junior year). During the study, the student who has passed the English proficiency test may be exempted from the mandatory enrollment in the following semester. Exemption of enrollment in Intermediate English shall be applied by the Friday of week 16 of each semester. The credits earned from the additional enrollment shall not be calculated for the minimum graduation credits.
  - Pass the second stage of the “General English Proficiency Test” Intermediate or higher level.
  - Obtain 650 or higher points in “TOEIC”.
  - Obtain 61 or higher points in “TOEFL (iBT)”.
  - Obtain 5 or higher points in “IELTS”.