Course Structure for Ph. D Program
, Graduate Institute of Information and Computer Education
National Taiwan Normal University

Adaptive to Class of	Required Credit(s)	Elective Credit(s)	Free Elective Credit(s)	Minimum Total Credits for Graduation
110	0.0	18.0	6.0	24.0

Note: The first alphabet ”E” on the course name refers to the course in English as a medium of instruction

I. Required Courses: 0.0 credit is required

II. Elective Courses: 0.0 credit is required

III. Courses Offered to Students in Different Divisions

Required Course, 0.0 credit is required

Elective Course: 18.0 credits are required, 6 courses are least required

Course Code	Course Name	Credit(s)	Credit Unit		Note
			Lecture Hour	Lab/Practice Hour	
ICC0070	1 E Selective Readings in Information and Computer Education	3.0	3.0	0.0	
ICC0071	2 E Academic Writing in Information and Computer Education	3.0	3.0	0.0	
ICC0080	3 E Instructional Design for e-Learning	3.0	3.0	0.0	
ICC0090	4 E Digital game-based e-Learning	3.0	3.0	0.0	
E0C8002	5 E Advanced Educational Statistics (B)	3.0	3.0	0.0	
E0C8007	6 E Nonparametric Statistics	3.0	3.0	0.0	
E0C8008	7 E Categorical Analysis	3.0	3.0	0.0	
E0C8010	8 E Academic Writing for Education Research	3.0	3.0	0.0	

IV. Free Elective Credits: 6.0 credits are required