

# Chung Hua University Computer Science & Information Engineering

## Four-year curriculum planning table for the 112-level international special class

April 11, 2023 Passed by the Departmental meeting at its 3rd meeting, spring semester, Academic Year 2022-23;

Approved at the 3rd College Curriculum Meeting of academic year 111, on May 31, 2023

Approved at the 4rd College and University Curriculum Committees of academic year 111, on June 14, 2023

	Pre-Chinese Language Course		Freshman		Sophomore		Junior		Senior	
	first semester	second semester	Semester I	Semester II	Semester I	Semester II	Semester I	Semester II	Semester I	Semester II
Compulsory			English (I) (2) Physical Education (I) (0)	English (II) (2) Physical Education (II) (0)	English (III) (1)	English (IV) (1)				
General Studies	<b>Core General Education Courses: Core general education courses are divided into three categories: "Social Concerns" (including the aspect of "Humanistic Cultivation" and "Social Observation"), "Innovation and Creativity" (including the aspect of "Artistic Perception" and "Scientific Exploration"), and "Health Promotion" (including the aspect of "Self-Exploration" and "Biomedical Health and Safety").</b> <b>In each category, students are required to take a minimum of two core general education courses, totaling 12 credits. For elective courses, students need to complete 11 courses, totaling 10 credits.</b>									
Department of compulsory			Python Programming (3) Visual Programming Logic and Design (3) Windows Programming (3)	C Programming Design (3) Python Programming Certification (3)	C++ Programming Design (3) Advanced Python Programming (3)	JAVA Programming Design (3)				
number of credits			9	6	6	3	0	0		
Elective			Introduction to Computer Science (3) Discrete Mathematics (3) Linear Algebra (3) APP Design and Application (3)	Probability (3) Database System (3) Calculus (3) The Internet and Applications (3) Interactive Multimedia Systems (3)	Computer Network (3) Data structures (3) Artificial Intelligence (3) Cisco Certified Network Associate (CCNA) I (3) Web Design and Programming (3)	Intro. to Computer Algorithms (3) Innovative Information Technology and Application (3) Advanced Web Programming (3) Big Data Analysis and Applications (3) Machine Learning (3) Android APP Programming (3) Robot Programming (3) Game Design (3)	All Semester Internships 1 (9)	All Semester Internships 2 (9)	Artificial Intelligence (3) Machine Learning (3) Deep Learning Project (3)	Big Data Analysis and Applications (3) Deep Learning (3) Internet of Things-Theory and Implementation (3)
number of credits			12	15	15	24	9	9	9	9

illustrate:

1. Graduation qualifications must meet: school compulsory: 22 (general education) + 6 (English) + 9 (foreign department) + 24 (department open compulsory) + 49 (department open elective) + 18 (full semester internship 1 + full semester Internship 2), a total of 128 credits.
2. For the English courses of this department, students must complete the prescribed credits according to "Chung Hua University English courses, on-campus and internal and external examinations, and "Workplace English" coursework points within the study period to meet the graduation qualifications.
3. For the study of physical education courses of this department, students must complete the required credits within the period of study in accordance with the "Physical Education Course Study Regulations of Chung Hwa University" to qualify for graduation.
4. The students of this department must complete the course credits within the period of study in accordance with the "Regulations for the Completion of General Studies Courses of Chung Hwa University" to meet the graduation qualifications. At least two core general education courses of each category must be taken, 12 credits are required; multiple electives: 10 credits are required, a total of 11 courses with 22 credits.
5. The elective credits for graduation must be 9 credits from other departments, excluding general education, physical education, and military training courses.
6. Elective courses should be opened according to the actual situation of the semester.