

NSYSU REQUIRED COURSES (Applicable to Freshmen Admitted in the 2023 Academic Year)

Department : Chemistry

Category	Subject	First Year			Second Year			Third Year			Fourth Year			Group			
		Fall	Spring	Summer	Fall	Spring	Summer	Fall	Spring	Summer	Fall	Spring	Summer	No.	Total	Selected	
General courses	Critical thinking and expression in Chinese	3															
	Language courses	3															
	English Proficiency Test (0 credit ; The English Proficiency Standard has to be done before graduation.) graduation.)	0															
	Intercollege courses	8															
	Liberal Arts courses				13												
	Practical Experience	Rules of University (0 credits ; Join 6 activities verified by General Education center by the end of third year)	0														
		Service Learning (Start from the second year and complete by the end of the third year.)				1											
Sport and Health courses	Sport and Health courses	1	1		1	1											
Students of English-taught program should take the required courses for all English classes in accordance with the regulations of the department.																	
Professional Required courses	GENERAL CHEMISTRY	4															
	CHEMISTRY LABORATORY(I)	2															
	GENERAL PHYSICS(I)	3															
	CALCULUS(I)	3															
	ORGANIC CHEMISTRY (I)		3														
	ANAYTICAL CHEMISTRY(I)		3														
	CHEMISTRY LABORATORY(II)		2														
	GENERAL PHYSICS(I I)		3														
	CALCULUS(I I)		3														
	ORGANIC CHEMISTRY (II)				3												
	ANALYTICAL CHEMISTRY(II)				3												
	CHEMISTRY LABORATORY(III)				2												
	INORGANIC CHEMISTRY (I)					3											
	PHYSICAL CHEMISTRY (I)					3											
	CHEMISTRY LABORATORY(IV)					2											
	INORGANIC CHEMISTRY (II)							3									
	PHYSICAL CHEMISTRY (II)							3									
	CHEMISTRY LABORATORY(V)							2									
SEMINAR								1									
Credits requirement for graduation	128	Proportion of requirements			61.72%												
Department education aim	<ol style="list-style-type: none"> 1. Cultivate professional ability of chemistry 2. Cultivate students to be a team player 3. Cultivate international perspective 4. Enhance cultural literacy, cultivate professional ethics, and take social responsibility 																
Department students Professional ability	<ol style="list-style-type: none"> 1. Solid chemical expertise 2. Proficient instrument operation and experimental skills 3. Have basic artistic and social literacy 4. Ability to team work and take responsibilities 5. Lifelong learning and ability to adapt to socio-change 6. Understand the development of industry-academia cooperation 																

Regulations for course selection	<ol style="list-style-type: none"> 1. Requirements for General Education courses:28 credits(Sport and Health courses not included.) 2. To take various courses of general education, you need to follow the elective regulations and instructions for each credit of the school's "General Education Curriculum Framework". For details, please refer to the Academic Affairs Office/Regulations/Regulations/Regulations of Course Selection/Regulations of General Education. 3. At least 6 topic courses of Department of Chemistry (18 credits) are required for graduation. 4. A student who graduated in a foreign country, Hong Kong, or Macao from a senior secondary school whose graduating year is academically equivalent to the second grade of a senior secondary school in Taiwan of a comparable academic level and nature is considered to have adequate academic ability are required to take seminar (I)~(IV)(12 credits) in accordance to the department regulation of required graduation credits. 5. Students of English-taught Program should take General Required Courses and Professional Required Courses for all English classes.
Note	<p>Students enrolled from 109 academic year should meet one of the following International and Interdisciplinary Learning for graduation(approved by 162nd Committee of Academic Affairs Meeting on 2019.12.10):</p> <ol style="list-style-type: none"> 1. International Learning : Go abroad to exchange or study for at least a semester or complete at least 2 credits courses approved by department or abroad study plan. (Learning hour: at least 36 hours) 2. Interdisciplinary Learning: Get a double major, minor, or teacher education in NSYSU or other schools, or interdisciplinary programs in NSYSU (courses or faculty shall be interdisciplinary cooperation.)