

**Table of Compulsory Subjects, Credits and Graduation Credits for Students Enrolled in the 109 Academic Year of the Department of Life Science**

Category	Course(s)		Credits		Remarks
			Fall semester	Spring semester	
University Required Courses (30 credits)	College Chinese		2		
	English Field		8		People who did not pass the English examination recognized by the school are require to take "extra English class"
	General Courses	Required	8-12		Required to complete at least four core general courses, and must include three core dimensions, the total core scores must be 8-12 credits
		Optional	8-12		Required to take at least 2 credits each in the social sciences and humanities respectively
		Total	20		
	Physical Education		0		1st~3rd year required
	Manual Labor Service		0		Required 60 hours before graduation
	Moral Behavior		0		Pass in each semester
Department Compulsory Courses ( 68 credits)	General Physics I,II		3	3	
	General Physics Laboratory I		1		
	Calculus I,II		3	3	
	General Chemistry I,II		3	3	
	General Chemistry Laboratory I,II		1	1	
	Life Science I,II		3	3	
	Basic Life Science Laboratory			2	
	Molecular & Cellular Biology I			3	
	Molecular & Cellular Biology II		3		
	Molecular & Cellular Biology III			3	
	Biochemistry I,II		3	3	
	Biophysical Chemistry		3		
	Genetics			3	
	Organic Chemistry I,II		3	3	
	Bioinformatics		3		Choose two among the five courses
	Plant Physiology		3		
	Animal Physiology		3		
	Microbiology		3		
	Biostatistics		3		
	Seminar		1	1	
	Cell Biology Laboratory		2		Experimental courses; choose two among the five courses
	Molecular Biology Laboratory		2		
	Biochemistry Laboratory		2		
	Microbiology Laboratory		2		
	Lab for Bio-Photonics		2		
Elective Courses (30 credits)			30		Elective courses must take at least 12 credits of courses offered by Department of life science
Total credits for graduation			128		

