

Required courses and credits for Interdisciplinary Program of Life Science class 2020

Category	Courses		Credits		Remarks
			Fall semester	Spring semester	
University Required Courses (30 credits)	College Chinese		2		
	English Field		8		2 credits can be waived if you pass the school English ability criteria
	General Education Courses	Core Courses	8-12		At least one course for each of the four dimensions
		Optional	8-12		
		Total	20		
	Physical Education		0		1 st ~3 rd year required
	Service Learning		0		At least 60 hours before graduation
	Conduct		0		Each semester with passing grades
LSIP Required (27credits)	General Physics I, II		3	3	
	General Chemistry I, II		3	3	
	Calculus I, II		3	3	
	Life Science I, II		3	3	
	Seminar		1		
	General Biology Lab Course		2		
First Major Course (Select one)	Course From Life Science (29 credits)	Biochemistry I, II	3	3	
		Molecular and Cellular Biology I		3	
		Molecular and Cellular Biology II	3		
		Molecular and Cellular Biology III		3	
		Genetics		3	
		Organic Chemistry I	3		
		Bioinformatics	3		choose two among the five courses
		Plant Biology	3		
		Animal Physiology	3		
		Microbiology	3		
		Biostatistics	3		
		Cell Biology Laboratory	2		experimental courses; choose one among the five courses
		Molecular Biology Laboratory	2		
		Biochemistry Laboratory	2		
	Microbiology Laboratory	2			
Lab for Bio-Photonics	2				
Course From	Organic Chemistry I, II	3	3		
	Biochemistry I, II	3	3		

Medical Science (30 credits)	Molecular Biology		3	
	Cell Biology	3		
	Human Anatomy & Physiology	3		
	3D Organon Virtual Reality (VR) Human Anatomy	1		
	Medical Microbiology and Immunology		3	take at least eight credits
	Biomedical Engineering	3		
	Medical Genetics	2		
	Pharmacology	2		
	Translational Medicine		2	
	Medical Statistics and Epidemiology		3	
Second Major Courses	Select one of the elective courses provided by every College in the campus. (except Life Science College)	27~33		except Biomedical Engineering- molecular medicine
Elective Courses		8~15		
Total required credits for graduation		128		