

HUNGKUANG UNIVERSITY Curriculum of 4-year Department of Biotechnology

Course Schedule For 2020 students

I、128 credits should be completed										
General Education Courses		30 Credits/32 Hours								
Professional Required Courses		62 Credits/70 Hours								
Optional Courses		36 Credits/36 Hours								
II、Course title		First year		Second year		Third year		Fourth year		note
(一) General Education Courses		Semester	Semester	Semester	Semester	Semester	Semester	Semester	Semester	
30 Credits/32 Hours		one	two	one	two	one	two	one	two	
Core general education course	Human Spirit (I)	2/2								
	Human Spirit (II)			2/2						
	Service Learning (I)	0/1								
	Service Learning (II)			0/1						
Basic general education course	Introduction on Creativity	2/2								Creative education
	Innovation: Thinking and Application					2/2				
	Chinese Reading and Writing(I)	2/2								Language education
	Chinese Reading and Writing (II)		2/2							
	English (I)	2/2								
	English(II)		2/2							
	Democracy and the Rule of Law						2/2			Civic education
	History and Civilization					2/2				
	Application Design				2/2					Information
	Esthetics		2/2							Aesthetic
Physical Education	2/2								Physical education	
Classification General education course	Liberal Arts Category				2/2					
	Social Sciences				2/2					
Subtotal		10/11	6/6	2/3	6/6	2/2	4/4	0/0	0/0	

學生修業規定 (109 學年度入學新生適用):

(二) Professional Required Courses		First year		Second year		Third year		Fourth year		note
62 Credits/70 Hours		Semester	Semester	Semester	Semester	Semester	Semester	Semester	Semester	
		one	two	one	two	one	two	one	two	
Biology(I)		2/2								Science education

General Chemistry(I)	2/2								Science education
General Chemistry(II)		2/2							
General Chemistry Laboratory	1/2								
Biology Laboratory(I)	1/2								
Biology and Laboratory(II)		2/3							
Introduction to Medical and Health Care Industry		2/2							College core course
Biotechnology and Laboratory		2/2							
Physiology	2/2								
Organic Chemistry			2/2						
Microbiology			2/2						
Microbiology Laboratory			1/2						
Analytic Chemistry			2/2						
Biochemistry(I)			3/3						
Biochemistry(II)				3/3					
Biochemistry Laboratory(I)			1/2						
Biochemistry laboratory(II)				1/2					
Instrumental Analysis				2/2					
Immunology				2/2					
Biostatistics					2/2				College core course
Cell Biology					3/3				
Cell Biology Laboratory					1/2				
Special Topic					1/1				
Molecular Biology						3/3			
Pharmacology						2/2			
Laboratory Animals						1/2			
Medical Care Ethics						2/2			College core course
Enzymology					2/2				
Professional Practice							4/4		
Seminar							2/2		
Protein Pharmacology								2/2	
Methods in Bioinformatics								2/2	Must use computer course
Subtotal	8/10	8/9	11/13	8/9	7/8	8/9	8/8	4/4	

(III) Optional courses 36 edits

1. Professional optional course at least 16 credits.
2. Optional courses (suggested by other departments) 20 edits (including the school distance learning courses). (Required or optional courses and classification general education courses)
3. National defense education and military training courses are not included in graduation credits.
4. Students before graduation, to have completed an interdisciplinary subject.