						year				year				year				year		
	Course	Credits	Hours	Fa	all	Spi	ring	F	all	Spi	ing	F	all	Spi	ring		all	Spi	ing	Note
				class	lab	class	lab	class	lab	class	lab	class	lab	class	lab	class	lab	class	lab	
Core Required Courses	Chinese Literature: Appreciation and Creative Writing 1	2	2	2																
	Chinese Literature: Appreciation and Creative Writing 2	2	2		2															
	Practical English 1	0	2	1	1															Note 1
	Practical English 2	0	2			1	1													Note 1
	Practical English 3	0	2					1	1											Note 1
	Practical English 4	0	2							1	1									Note 1
	English for Business Communication 1	2	3									2	1							Note 1
	English for Business Communication 2	2	3											2	1					Note 1
	Practical English of Professionals 1	2	3													2	1			Note 1
	Practical English of Professionals 2	2	3															2	1	Note 1
	Applied Information Technology: Office Software	2	3	2	1															Note 1
	Applied Information Technology: Data Processing	2	3			2	1													Note 1
	General Ed	12	12																	Note 2
	Physical Education (1)~(6)	0	12	2		2		2		2		2		2						
	Service Learning	0	1																	Biochemistry Lab1, 2 include the courses. Note 1
	Subtotal	28																		

						year				year				year				year		
	Course	Credits	Hours	Fall		Spi	ring		all	Spr	ing	Fa	all	Spi	ring	Fa	all		ring	Note
				class	lab	class	lab	class	lab	class	lab	class	lab	class	lab	class	lab	class	lab	
Professional	Calculus	3	4	3	1															
Required	General Chemistry	3	3	3																
Courses	General Chemistry Lab.	1	3	1	2															
	Physics principles for	3	3	3																
	biologist																			
	General Biology-1	3	3	3																
	General Biology Lab1	1	3	1	2															
	General Biology-2	3	3			3														
	General Biology Lab2	1	3			1	2													
	Organic Chemistry	3	3			3														
	Organic Chemistry Lab.	1	3			1	2													
	Environmental Ecology	3	3			3														
	Freshman Seminar	1	1	1																
	Analytical Chemistry	3	3					3												
	Analytical Chemistry	1	3					1	2											
	Lab.																			
	Biochemistry-1	4	4					4												
	Biochemistry Lab1	1	3					1	2											Service Learning
	Biochemistry-2	4	4							4										
	Biochemistry Lab2	1	3							1	2									Service Learning
	Microbiology	3	3							3										
	Microbiology Lab.	1	3							1	2									
	Cell Biology	3	3									3								
	Cell Biology Lab.	1	3									1	2							
	Bioinformatics-1	2	3									2	1							Computer courses
	Molecular Biology	3	3									3								
	Biostatistics	3	3											3						
	Developmental Biology	3	3											3						
	Research Training 1	1	1											1						
	Research Training 2	1	1													1				

						1 st year				2 nd y				3 rd	year		4 th year				
	Course		Credits	Hours	Fa		Spr		Fa			ing	Fa		Spring			all		ring	Note
					class	lab	class	lab	class	lab	class	lab	class	lab	class	lab	class		class	lab	
		Seminar 1	1	1													1	0			
		Seminar 2	1	1															1	0	
		Subtotal	63																		
		Subtotal Required	91																		
		Course Credits																			
	Biotechnology	Plant Physiology	3	3					3												1.Professional
	Program	Animal Physiology	3	3					3												Electives can be
Courses		Tissue culture and	3	3							3										selected from
		Application																			 three programs of study. 2.Students must first complete two of these programs of study, each consisting of at heat 2 converses
		Animal Cell Culture	2	2							2										
		and Application																			
		Immunology	3	3									3								
		Vaccine &	3	3											3						
		Vaccination																			
		Cosmetic Chemistry	3	3											3						
		Laboratory Animal	3	3															3		least 3 courses and 20 credit
		Medicine																			hours.
		Gene Transfer	2	2															2		nours.
		Virology	3	3													3				
	Genomics	Genomics	3	3							3										
	Program	Genetics	3	3					3												
		Special Topics to	3	3							3										
		Genome Project &																			
		Annotation																			
		Bioinorganic	3	3									3								
		Chemistry																			
		Applied	3	3									3								
		Bioinstrumentation																			
		and Analysis																			
		Bioinformatics-2	2	3											2	1					Computer courses

	2			1 st year				2 nd year						year		4 th year				
Cour	se	Credits	Hours	Fa			ing		all		ring	Fa		Spring			all		ing	Note
				class	lab	class	lab	class	lab	class	lab	class	lab		lab	class	lab	class	lab	
	Special Topics in	3	3											3						
	Molecular Biology																			
	Proteomics	3	3											3						
	Protein Separation	2	2													2				
	and Two																			
	Dimensional																			
	Electrophoresis																			
	Protein preparation	2	2															2		
	and mass spectrum																			
	analysis																			
Biofood	Nutrition	3	3					3												
Program	Introduction to	3	3					3												
	Biochemistry																			
	Engineering																			
	Food Chemistry	3	3							3										
	Food Analysis (Lab)	3	3							3										
	Food Microbiology	3	3									3								
	(Lab)																			
	Enzymology	3	3											3					_	
	Food Safety	3	3											3						
	Fermentation	3	3											3						
	Food Process	3	3													3				
	Engineering																			
	Dietary	3	3													3				
	Supplements and																			
	Functional Foods																			

					1 st	year			2 nd	year			3 rd	year		4 th year				
	Course	Credits	Hours	Fa		Spi	ing	Fa		Spr	ing		all	Spring		Fall		Spring		Note
				class	lab	class	lab		lab	class	lab	class	lab	class	lab	class	lab	class	lab	
Other	Programming Design-1	2	3		_			2	1											
Elective	Programming Design-2	2	3							2	1									
Course	Bioorganic Chemistry	2	2					2												
	Biotechnology Law	2	2							2										
	Ecology	2	2									2								
	Military Training-1	0	2	2																1-semester courses
	Military Training-2	0	2			2														1-semester courses
	Nursing-1	0	2	2																1-semester courses
	Nursing-2	0	2			2														1-semester courses
	Research Paper Writing	1	1											1						
	Introduction to Pharmacy	3	3											3						
	Industrial Practice	1	1											1						
	Biosensor	3	3													3				
	Biotechnical Intellectual Property Rights and Patents	2	2													2				
	Introduction of Bioindustry	2	2													2				
	Physic Chemistry	3	3													3				
	Agriculture and Food Industrial Waste Management	2	2															2		
Subtotal Rec	quired Course Credits	91																		
Subtotal Elective Course Credits		37																		
Subtotal Pro	Subtotal Professional Elective Course Credits																			
	ctive courses from other schools	17																		
Grand Total		128																		

Notes:

- 1. In accordance with the General Provisions for Study, undergraduate students need to satisfactorily complete Service Learning, meet the university-wide basic competencies of English, Information Technology, Chinese, and Sports, and pass the core competencies of their department to be eligible for graduation.
- 2. Students who entered in and since the 2008-09 academic year need to complete at least 12 General Education course credits. General Education courses are divided into three areas: Humanities, Social Science, and Natural Science. Each area is divided into two subcategories: core and extended. Students need to take 1 two-credit course in both of the subcategories within each area to be eligible for graduation. Only 12 course credits will be counted toward graduation. Additional course credits earned in General Education courses are not counted toward graduation.
- 3. Course credits obtained from the Teacher Education Center cannot be counted toward students' final grades.
- 4. Elective courses credits include BT professional courses and courses from other schools, but the BT Department can only admit maximum 17 course credits.
- 5. The newly added elective courses in this academic year can be applied retroactively to students who entered the university prior to the 2014 academic year.
- 6. When retaking the professional courses, students can choose those which are the same course name or the same course content as substitutions under the approval of the department chair. These courses can be regarded as their graduation credits, and can be applied retroactively to students who entered the university prior to the 2014 academic year.
- 7. Students can choose the course from BT master program, which can be counted as their graduation credits under the approval of the department chair, and can be applied retroactively to students who entered the university prior to the 2014 academic year.
- 8. Professional Electives can be selected from three programs of study, students must first complete two of these of study, each consisting of at least 3 courses. These courses can be applied retroactively to students who entered the university prior to the 2014 academic year.
- 9. Professional electives must be selected at least 20 credit hours.
- 10. When retaking the Calculus course, students can choose Calculus I course as substitutions under the approval of the department chair. These courses can be regarded as their graduation credits, and can be applied retroactively to students who entered the university prior to the 2014 academic year.
- 11.Deletion the rules which undergraduate students need to take Programming Design I and II, and can be applied retroactively to students who entered the university prior to the 2014 academic year.