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

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

				1 st year					2 nd year				$3^{\rm rd}$	year		4 th year				
Cour	se	Credits	Hours		Fall		Spring		Fall		ing	Fa			ing		all	Spring		Note
•				class	lab	class	lab	class	lab	class	lab	class	lab	class	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 (Lab)																			
	Dietary	3	3													3				
	Supplements and																			
	Functional Foods																			

					1 st	year			2 nd	year			3 rd	year		4 th year				
	Course	Credits	Hours	Fa			ing	Fa		Spr	ing	Fa		Spi	ing		all	Spi	ring	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 Req	uired Course Credits	91																		
	tive Course Credits	37																		
Subtotal Prof	Sessional Elective Course Credits	20																		
	Subtotal Elective courses from other schools																			
Grand Total																				

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 2015 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 2015 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 2015 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 2015 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 2015 academic year.