

# National Pingtung University of Science and Technology

## Department of Biological Science and Technology

### Curriculum Table of Undergraduate Program for Academic Year111-114

Year	First Academic Year				Second Academic Year			
Semester	First Semester		Second Semester		First Semester		Second Semester	
	Courses	Credit/Hour	Courses	Credit/Hour	Courses	Credit/Hour	Courses	Credit/Hour
Required	Physical Education (1)	1/2	Physical Education (2)	1/2	Lectures on General Education(Remark5)	1/2	Physical Education	1/2
	General Education	2/2	General Education	2/2	Physical Education	1/2	General Education	2/2
	Chinese (1)	2/2	Chinese (2)	2/2	General Education	2/2	Constitution	2/2
	Freshman English (1)	2/2	Freshman English (2)	2/2	Biometry	2/2	Microbiology	3/3
	English Listening & Speaking Practice 101	1/2	English Listening & Speaking Practice 102	1/2	Biometry Experiments	1/2	Microbiology Lab.	1/3
	Foreign Language Proficiency Test	0/0	Computational Thinking and Information Technology Applications	1/2	Cell Biology	3/3	Biochemistry (2)	3/3
	General Chemistry (1)	3/3	Analytical Chemistry	2/2	Biochemistry (1)	3/3	Biotechnology(1)	2/2
	General Chemistry Experiments (1)	1/2	Analytical Chemistry Lab.	1/2	Biochemistry Experiments	1/3		
	Biology (1)	3/3	Organic Chemistry	3/3				
	Biology Lab.(1)	1/3	Organic Chemistry Lab.	1/2				
			Biology (2)	3/3				
			Biology Lab.(2)	1/2				
Total		16/21		20/26		14/19		14/17
Elective	Introduction of Bioinformatics	2/2	Keynote Speech	1/1	Animal Cell Culture	2/2	Concept and Application of Functional Cosmetic	2/2
	Techniques of Biological Illustration	2/2	Scientific Method	3/3	Intellectual Property	2/2	Plant Anatomy	2/2
	The Sixth Industrialization for Biotechnology and Agricultural	2/2	Free Radical Biology	2/2	Animal Anatomy	3/3	Plant Anatomy Lab.	1/2
	Natural biotechnology product development practice	2/2	USR Independent Study	1/1	Animal Anatomy Lab.	1/2	Practice of Embryo manipulation	1/2
					Plant Taxonomy	2/2	Animal Taxonomy	2/2
					Plant Taxonomy Lab.	1/2	Vertebrate Zoology	2/2
					Summer Vacation Practice(1)	2/4	Vertebrate Zoology Lab	1/2
							Manipulation of Laboratory Animals	2/2
							Practice of Manipulation of Laboratory Animals	1/3
Total		8/8		7/7		13/17		14/19

National Pingtung University of Science and Technology

## **Department of Biological Science and Technology**

## Curriculum Table of Undergraduate Program for Academic Year111-114