Four-Year Study Plan of Food Science and Technology Programme (2020 cohort)

Rev 20230911

					1				Rev 20230911		
Course Code	Course Title		Year One		Year	Two	Year Three		Year	Year Four	
		Sem 1	Sem 2	Summer/ Winter	Sem 1	Sem 2	Sem 1	Sem 2	Sem 1	Sem 2	
I. Major Required	Courses (48 Units)										
BIOL2003	General Biology	3									
CHEM2003	General Chemistry		3								
FOOD2003	Introduction to Food Science		3								
BIOL2013	General Biology and Chemistry Laboratory				3						
BIOL2063	Biochemistry				3						
BIOL2033	Food Microbiology					3					
FOOD2013	Food Chemistry					3					
FOOD3013	Nutrition					3					
CHEM2033	Analytical Chemistry						3				
FOOD3003	Food Analysis						3				
FOOD3033	Chemical and Food Analysis Laboratory						3				
FOOD3023	Food Toxicology							3			
FOOD3053	Food Materials Science							3			
FOOD3063	Food Process Engineering							3			
FOOD3073	Food Science Laboratory							3			
FOOD4004	Final Year Project I (FOOD)								3		
II. Major Elective (Courses (12 Units)		-					•			
ME01 ME02 ME03							3	3	3	3 [©]	
III. General Educat	tion Core Courses (32 Units)		l		l .	l .	l		l .		
CHI1053	University Chinese (Morality and Foundations of Law)	3									
CHI1063	Chinese Culture and Modern China					3					
CHI1073	Contemporary Chinese Society and Thoughts (Theories)		3								
CHI1083	Contemporary Chinese Society and Thoughts (Social Practice)		0								
CHI1093	Contemporary World and China®					0					
GCLA1903	English I	3									
GCLA1913	English II	<u> </u>	3								
GCLA1923	English III	<u> </u>			3						
GCLA1933	English IV					3					
GCIT1XX3	Information Management Technology®	3	_								
GCNU1XX3	Numeracy	1	3								
GCPE1XX3 GCVM1013	Physical Education [©] Applied Ethics in Science and Technology	1	1		3					<u> </u>	
	tion Distribution Courses (12 Units)		<u> </u>	<u> </u>	3		<u> </u>	<u> </u>		<u> </u>	
	,	T	3	1	1	1	1	1	1	l	
GDBM1XX3 GDHS1XX3	Foundation Course in Business and Management [©] Foundation Course in Humanities and Social Sciences [©]		3			3					
GDFL1XX3	Foundation Course in Foreign Language [©]	3				J				İ	
GDHC1XX3	Foundation Course in Foreign Language Foundation Course in World History and Civilisation				3						
WPEX Module I	ducation Experiential Learning Modules (4 Units) WPEX1003 Experiential Development	1									
		1	<u> </u>								
WPEX Module II	WPEX1013 Emotional Intelligence WPEX2003 Sports Culture [©] , or WPEX2013 Experiential		1								
WPEX Module III	Arts [©]				1						
WPEX Module IV	WPEX2023 Voluntary Service [©] , or WPEX2033 Environmental Awareness [©]					1					
VI. Free Elective Co				<u> </u>			<u> </u>				
	E04 FE05 FE06 FE07 FE08			3 ^③	3		6 [®]	3	9		
LOTTEOLTEOJ FE		1-	20			10		1	-	_	
Total Units: 132		17	20	3	19	19	18	18	15	3	

① This denotes a course category in which a list of courses may be developed for students' selection. Students are expected to refer to the Online Course Selection System for courses available under each category.

② This course will take the form of lecture series. Students are required to attend and submit notes for at least 10 lectures within their first two years of study.

③ CHI1103 Introduction to Modern Social Theories will be offered under this category.

① Students should take one FE(ENG) course under this category.

⑤ Students who would like to continue with the final year project in the second semester of Year 4 should register FOOD4005 Final Year Project II (FOOD) as a major elective during the Online Course Selection (or Course Add/Drop) period.

BIOL2073										
BIOL2073	Course Code	Course Title	Units							
SIOL3043 Molecular Biology 3 3 3 3 3 3 3 3 3	ME Courses on Science and Technology									
Physical Chemistry 3	BIOL2073	Physiology	3							
Mechanical Engineering and Practice 3	BIOL3043	Molecular Biology	3							
Engineering Drawing and AutoCAD Practice 3	CHEM2043	Physical Chemistry	3							
Life Cycle Nutrition 3	ENGI2003	Mechanical Engineering and Practice	3							
FOOD3083 Research Methods in Food Science 3 FOOD4003 Food Safety and Quality Management System 3 FOOD4005 Final Year Project II (FOOD) 3 FOOD4013 Meat and Dairy Science 3 FOOD4023 Functional Foods 3 FOOD4033 Grain and Cereal Science 3 FOOD4043 Food Biotechnology 3 FOOD4053 Food Waste Management 3 FOOD4063 Food Product Development 3 FOOD4073 Fruit and Vegetable Science 3 FOOD4083 Introduction to Human Pathophysiology and Pharmacology 3 FOOD4093 Nutrition and Disease Prevention 3 FOOD4103 Nutrition in Medical Therapy 3 FOOD4113 Food Microbiology and Food Safety Laboratory 3 FOOD413 Wine and Cheese Science 3 FOOD4143 Nutrition in Practice 3 MCCT2003/ACCT2043 Principles of Accounting I* 3 ACCT2013/ACCT2053 Principles of Accounting II* 3 BUS2013/BUS2053	ENGI2013	Engineering Drawing and AutoCAD Practice	3							
GOOD4003 Food Safety and Quality Management System 3 GOOD4005 Final Year Project II (FOOD) 3 GOOD4013 Meat and Dairy Science 3 GOOD4023 Functional Foods 3 GOOD4033 Grain and Cereal Science 3 GOOD4043 Food Biotechnology 3 GOOD4053 Food Waste Management 3 GOOD4063 Food Product Development 3 GOOD4063 Food Product Development 3 GOOD4073 Fruit and Vegetable Science 3 GOOD4083 Introduction to Human Pathophysiology and Pharmacology 3 GOOD4093 Nutrition in Medical Therapy 3 GOOD4113 Food Microbiology and Food Safety Laboratory 3 GOOD4123 Food Packaging 3 GOOD4123 Wine and Cheese Science 3 GOOD4133 Wine and Cheese Science 3 GOOD4143 Nutrition in Practice 3 MCCT2003/ACCT2043 Principles of Accounting I* 3 ACCT2013/ACCT2053 Principles of Macroecono	FOOD3043	Life Cycle Nutrition	3							
Final Year Project II (FOOD) 3	FOOD3083	Research Methods in Food Science	3							
Meat and Dairy Science 3 3 500D4023 Functional Foods 3 3 500D4023 Functional Foods 3 3 500D4033 Grain and Cereal Science 3 3 500D4043 Food Biotechnology 3 500D4053 Food Waste Management 3 500D4063 Food Product Development 3 500D4073 Fruit and Vegetable Science 3 500D4073 Fruit and Vegetable Science 3 500D4083 Introduction to Human Pathophysiology and Pharmacology 3 500D4093 Nutrition and Disease Prevention 3 500D4103 Nutrition in Medical Therapy 3 500D4113 Food Microbiology and Food Safety Laboratory 3 500D4123 Food Packaging 3 500D4123 Food Packaging 3 500D4133 Wine and Cheese Science 3 500D4143 Nutrition in Practice 3 500D4143 Nutrition in Practice 3 500D4143 Nutrition in Practice 3 500D4143 Principles of Accounting I* 3 500D4143 Principles of Macroeconomics 3 500	FOOD4003	Food Safety and Quality Management System	3							
Functional Foods 3 3 5 5 5 5 5 5 5 5	FOOD4005	Final Year Project II (FOOD)	3							
GODD4033 Grain and Cereal Science 3	FOOD4013	Meat and Dairy Science	3							
GOOD4043 Food Biotechnology 3 GOOD4053 Food Waste Management 3 GOOD4063 Food Product Development 3 GOOD4073 Fruit and Vegetable Science 3 GOOD4083 Introduction to Human Pathophysiology and Pharmacology 3 GOOD4093 Nutrition and Disease Prevention 3 GOOD4103 Nutrition in Medical Therapy 3 GOOD4113 Food Microbiology and Food Safety Laboratory 3 GOOD4123 Food Packaging 3 GOOD4133 Wine and Cheese Science 3 GOOD4143 Nutrition in Practice 3 ME Courses on Business and Management 3 ACCT2003/ACCT2043 Principles of Accounting I* 3 ACCT2013/ACCT2053 Principles of Macroeconomics 3 BUS2013/BUS2053 Principles of Macroeconomics 3 BCON2013 Principles of Microeconomics 3 BCON3053 Foundations of Chinese Economy 3 FIN2003/FIN2023 Financial Management* 3 MKT2003 Principles	FOOD4023	Functional Foods	3							
FOOD4053 Food Waste Management 3 FOOD4063 Food Product Development 3 FOOD4073 Fruit and Vegetable Science 3 FOOD4083 Introduction to Human Pathophysiology and Pharmacology 3 FOOD4093 Nutrition and Disease Prevention 3 FOOD4103 Nutrition in Medical Therapy 3 FOOD4113 Food Microbiology and Food Safety Laboratory 3 FOOD4123 Food Packaging 3 FOOD4133 Wine and Cheese Science 3 FOOD4143 Nutrition in Practice 3 FOCCT2003/ACCT2043 Principles of Accounting I* 3 FOOD4184 Subscience 3 FOOD4185 Principles of Accounting II* 3 FOOD4186 Subscience 3 FOOD4187 Subscience 3 FOOD4188 Subscience 3 FOOD4189 Subscience	FOOD4033	Grain and Cereal Science	3							
FOOD4063 Food Product Development 3 FOOD4073 Fruit and Vegetable Science 3 FOOD4083 Introduction to Human Pathophysiology and Pharmacology 3 FOOD4093 Nutrition and Disease Prevention 3 FOOD4103 Nutrition in Medical Therapy 3 FOOD4113 Food Microbiology and Food Safety Laboratory 3 FOOD4123 Food Packaging 3 FOOD4123 Wine and Cheese Science 3 FOOD4143 Nutrition in Practice 3 FOOD4143 Nutrition in Practice 3 FOOD4143 Principles of Accounting I* 3 FOCT2003/ACCT2043 Principles of Accounting II* 3 FOOD403 Principles of Law* 3 FOOD403 Principles of Macroeconomics 3 FOOD503 Principles of Macroeconomics 3 FOOD503 Principles of Microeconomics 3 FOOD503 Principles of Microeconomics 3 FOOD503 Principles of Microeconomics 3 FOOD503 Foundations of Chinese Economy 3 FIN2003/FIN2023 Financial Management 3 MKT2003 Principles of Marketing Management 3 MKT2003 Principles of Marketing Management 3	FOOD4043	Food Biotechnology	3							
Fruit and Vegetable Science 3	FOOD4053		3							
Introduction to Human Pathophysiology and Pharmacology SOOD4093 Nutrition and Disease Prevention SOOD4103 Nutrition in Medical Therapy SOOD4113 Food Microbiology and Food Safety Laboratory SOOD4123 Food Packaging SOOD4133 Wine and Cheese Science SOOD4143 Nutrition in Practice ME Courses on Business and Management ACCT2003/ACCT2043 Principles of Accounting I* ACCT2013/ACCT2053 Principles of Accounting II* SUS2013/BUS2053 Principles of Macroeconomics SCON2013 Principles of Macroeconomics SCON2013 Principles of Microeconomics SCON3053 Foundations of Chinese Economy SIN2003/FIN2023 Financial Management MKT2003 Principles of Marketing Management 3 MKT2003 Principles of Marketing Management 3 MKT2003 Principles of Marketing Management 3	FOOD4063	Food Product Development	3							
Nutrition and Disease Prevention 3	FOOD4073	Fruit and Vegetable Science	3							
Nutrition in Medical Therapy 3	FOOD4083	Introduction to Human Pathophysiology and Pharmacology	3							
FOOD4113 Food Microbiology and Food Safety Laboratory 3 FOOD4123 Food Packaging 3 FOOD4133 Wine and Cheese Science 3 FOOD4143 Nutrition in Practice 3 ME Courses on Business and Management ACCT2003/ACCT2043 Principles of Accounting I* 3 ACCT2013/ACCT2053 Principles of Accounting II* 3 BUS2013/BUS2053 Principles of Law* 3 ECON2003 Principles of Macroeconomics 3 ECON2013 Principles of Microeconomics 3 ECON3053 Foundations of Chinese Economy 3 FIN2003/FIN2023 Financial Management* 3 MHR3003 Human Resource Management 3 MKT2003 Principles of Marketing Management 3	FOOD4093	Nutrition and Disease Prevention	3							
GOOD4113 Food Microbiology and Food Safety Laboratory 3 GOOD4123 Food Packaging 3 GOOD4133 Wine and Cheese Science 3 GOOD4143 Nutrition in Practice 3 ME Courses on Business and Management ACCT2003/ACCT2043 Principles of Accounting I* 3 ACCT2013/ACCT2053 Principles of Accounting II* 3 BUS2013/BUS2053 Principles of Law* 3 ECON2003 Principles of Macroeconomics 3 ECON2013 Principles of Microeconomics 3 ECON3053 Foundations of Chinese Economy 3 FIN2003/FIN2023 Financial Management* 3 MHR3003 Human Resource Management 3 MKT2003 Principles of Marketing Management 3	FOOD4103	Nutrition in Medical Therapy	3							
Second 13	FOOD4113	Food Microbiology and Food Safety Laboratory	3							
Materia Nutrition in Practice 3	FOOD4123	Food Packaging	3							
ME Courses on Business and Management ACCT2003/ACCT2043 Principles of Accounting I* ACCT2013/ACCT2053 Principles of Accounting II* BUS2013/BUS2053 Principles of Law* ECON2003 Principles of Macroeconomics ECON2013 Principles of Microeconomics ECON3053 Foundations of Chinese Economy FIN2003/FIN2023 Financial Management* MHR3003 Human Resource Management MKT2003 Principles of Marketing Management 3 MKT2003 Principles of Marketing Management 3	FOOD4133	Wine and Cheese Science	3							
ACCT2003/ACCT2043 Principles of Accounting I* ACCT2013/ACCT2053 Principles of Accounting II* 3 BUS2013/BUS2053 Principles of Law* 5 ECON2003 Principles of Macroeconomics 6 ECON2013 Principles of Microeconomics 6 ECON3053 Foundations of Chinese Economy 7 FIN2003/FIN2023 Financial Management* 8 MHR3003 Human Resource Management 9 MKT2003 Principles of Marketing Management 1 3 MKT2003 Principles of Marketing Management 1 3 MKT2003 Principles of Marketing Management 3 3 MKT2003 Principles of Marketing Management 3 4 5 MKT2003 Principles of Marketing Management 3 5 MKT2003 Principles of Marketing Management 3 6 7 MKT2003 Principles of Marketing Management 3 7 MKT2003 Principles of Marketing Management 3 7 MKT2003 Principles of Marketing Management	FOOD4143	Nutrition in Practice	3							
ACCT2013/ACCT2053 Principles of Accounting II* 3 BUS2013/BUS2053 Principles of Law* 3 ECON2003 Principles of Macroeconomics 3 ECON2013 Principles of Microeconomics 3 ECON3053 Foundations of Chinese Economy 3 FIN2003/FIN2023 Financial Management* 3 MHR3003 Human Resource Management 3 MKT2003 Principles of Marketing Management 3	ME Courses on Business	s and Management								
BUS2013/BUS2053 Principles of Law* ECON2003 Principles of Macroeconomics ECON2013 Principles of Microeconomics ECON3053 Foundations of Chinese Economy FIN2003/FIN2023 Financial Management* MHR3003 Human Resource Management MKT2003 Principles of Marketing Management 3	ACCT2003/ACCT2043	Principles of Accounting I*	3							
BUS2013/BUS2053 Principles of Law* ECON2003 Principles of Macroeconomics ECON2013 Principles of Microeconomics ECON3053 Foundations of Chinese Economy FIN2003/FIN2023 Financial Management* MHR3003 Human Resource Management MKT2003 Principles of Marketing Management 3	ACCT2013/ACCT2053	Principles of Accounting II*	3							
ECON2013Principles of Microeconomics3ECON3053Foundations of Chinese Economy3FIN2003/FIN2023Financial Management*3MHR3003Human Resource Management3MKT2003Principles of Marketing Management3	BUS2013/BUS2053		3							
FOUND STATES AND STATE	ECON2003	Principles of Macroeconomics	3							
FOUND STATE TO SECOND STATE TO SECOND	ECON2013	Principles of Microeconomics	3							
MHR3003 Human Resource Management 3 MKT2003 Principles of Marketing Management 3	ECON3053		3							
MHR3003 Human Resource Management 3 MKT2003 Principles of Marketing Management 3	FIN2003/FIN2023	Financial Management*	3							
MKT2003 Principles of Marketing Management 3	MHR3003		3							
	MKT2003		3							
	MKT4023		3							

^{*} These courses have been recoded with effective from Semester 2 of AY2022/23: ACCT2003 revised as ACCT2043; ACCT2013 revised as ACCT2053; BUS2013 revised as BUS2053; FIN2003 revised as FIN2023.