

UNIVERSITY OF THE PHILIPPINES MINDANAO

BACHELOR OF SCIENCE IN FOOD TECHNOLOGY Curriculum (2018)

First Year First Semester

Course	Subject	Units	Pre-requisites
BIO 10	Introduction to Biology	3	
CHEM 21	College Chemistry I	2	Coreq: CHEM 21.1
CHEM 21.1	College Chemistry I Laboratory	1	Coreq: CHEM 21
MATH 17	Algebra and Trigonometry	5	
FST 10	Overview of Food Science and Technology	1	
GE 1	Math, Culture and Society	3	
GE 2	Critical Perspectives in the Arts	3	
PE 1	Foundations of Physical Fitness	(2)	
NSTP 1	National Service Training Program	(3)	
		18	

First Year Second Semester

Course	Subject	Units	Pre-requisites
CHEM 22	College Chemistry II	2	CHEM 21, CHEM 21.1, MATH 17 Coreq: CHEM 22.1
CHEM 22.1	College Chemistry II Laboratory	1	CHEM 21, CHEM 21.1, MATH 17 Coreq: CHEM 22
MATH 26	Analytic Geometry and Calculus I	3	MATH 17
PHYS 3	General Physics I	3	MATH 17
STAT 1	Elementary Statistics	3	MATH 17
BIO 21	Principles of Microbiology	4	BIO 10
GE 3	Mindanao Studies	3	
PE 2/3	Physical Education	(2)	
NSTP 2	National Service Training Program	(3)	
		19	

Second Year First Sem

Course	Subject	Units	Pre-requisites
CHEM 31	Elementary Organic Chemistry	3	Prereq: CHEM 22, CHEM 22.1 Concurrent: CHEM 31.1
CHEM 31.1	Elementary Organic Chemistry Laboratory	2	Prereq: CHEM 22, CHEM 22.1 Concurrent: CHEM 31
FST 130	Food Engineering I	3	MATH 26, PHYS 3
MATH 27	Analytic Geometry and Calculus II	3	MATH 26
FST 110	Food Microbiology	5	BIO 21
FST 120	Sensory Evaluation of Foods	3	STAT 1
PE 2/3/4	Physical Education	(2)	
		19	

Second Year Second Semester

Course	Subject	Units	Pre-requisites
CHEM 160	Introductory Biochemistry	3	CHEM 31, CHEM 31.1
FST 150	Food Chemistry I	3	CHEM 31, CHEM 31.1
FST 131	Food Engineering II	3	FST 130
FST 140	Food Processing I	3	FST 110, FST 130
FST 141	Food Processing II	3	FST 110, FST 130
AMAT 131	Statistical Methods and Experimental Design	3	STAT 1
PE 2/3/4	Physical Education	(2)	
		18	

Third Year First Semester

Course	Subject	Units	Pre-requisites
CHEM 41	Quantitative Inorganic Chemistry	3	CHEM 22, CHEM 22.1, STAT 1 Coreq: CHEM 41.1
CHEM 41.1	Quantitative Inorganic Chemistry Laboratory	2	CHEM 22, CHEM 22.1, STAT 1 Coreq: CHEM 41
FST 151	Food Chemistry II	3	FST 150
FST 192	Methods of Food Research	3	FST 140, FST 141, AMAT 131
FST 147	Principles of Product Development	3	FST 140, FST 141
FST 149	Food Packaging and Shelf-life Evaluation	2	FST 140, FST 141
GE 4	Ethics	3	
		19	

Third Year Second Semester

Course	Subject	Units	Pre-requisites
CHEM 141	Food Analysis	2	CHEM 41, CHEM 41.1 Coreq: CHEM 141.1
CHEM 141.1	Food Analysis Laboratory	2	CHEM 41, CHEM 41.1 Coreq: CHEM 141
FST 163	Food Laws and Regulations	3	FST 149
FST 164	Food Safety	3	FST 140, FST 141
FST 165	Quality Assurance	3	FST 140, FST 141
FST 200A	Undergraduate Thesis (Proposal Writing)	2	
FST 145	Processing of Fruits and Vegetables	3	
GE 5	Science Technology and Society	3	
		21	

Third Year SUMMER

Course	Subject	Units	Pre-requisites
FST 197A	Plant Practice (Practicum)	4	FST 140, FST 141, CHEM 141, CHEM 141.1

Fourth Year First Semester

Course	Subject	Units	Pre-requisites
FST 170	Principles and Practice in Food Processing Management	3	FST 197A
FST 171	Principles and Practice in Food Processing Waste Management	3	FST 140, FST 141
FST 200B	Undergraduate Thesis (Experiment Proper)	2	
Qualified Elective		3	
GE 6	Kasaysayan ng Pilipinas	3	
GE 7	Elective GE	3	
FST 197B	Plant Practice (Report Writing)	2	
		19	

Fourth Year Second Semester

Course	Subject	Units	Pre-requisites
MGT 141	Introduction to Enterprise Development	3	
FST 199	Undergraduate Seminar	1	Senior Standing & FST 200A
FST 200C	Undergraduate Thesis (Manuscript Writing)	2	Senior Standing
FREE ELECTIVE		3	
PI 100	Life and Works of Jose Rizal	3	Junior Standing
GE 8	Elective GE	3	
GE 9	Elective GE	3	
GE 10	Elective GE	3	
		21	

Total Units: 158

Free Elective- any 3-unit course offered UP Mindanao subject to compliance of prerequisite and approval by the adviser.

Qualified electives, any one from the following:

Course Number	Pre-requisite/s
DSC 135	CHEM 31, CHEM 31.1 or COI
ANSC 150	FST 140, FST 141
HORT 109	BIO 121 or BOT 121 or COI
FST 144	FST 150, FST 151
FST 190	
FST 191	

*Required GE: STS 1, MinStud 1, MATH 10, KAS 1, ARTS 1, ETHICS 1
Junior Standing = 74 Units Earned
Senior Standing = 118 Units Earned

Retention Policy:

Based on existing policies in the UP Faculty Manual. A Student will be required to shift to another course or transfer to another institution if any of the following is incurred:

1. Failed twice in CHEM 21, or
2. Failed twice in CHEM 22, or
2. Failed Twice in MATH 17

CONFORME: _____
Signature over printed name