

FACULTY OF LIFE SCIENCES AND TECHNOLOGY
DEPARTMENT OF FOOD TECHNOLOGY

Semester 1			Semester 2		
Course	SKS	ECTS	Course	SKS	ECTS
English 1	2	3	English 2	2	3
Calculus & Linear Algebra 1	3	4	Calculus & Linear Algebra 2	3	4
Physics 1	2	3	Physics 2	2	3
Physics 1 Laboratory	1	2	Physics 2 Laboratory	1	2
General Biology	2	3	General Microbiology	2	3
General Biology Laboratory	1	2	Chemistry 2	3	4
Chemistry 1	3	4	Chemistry 2 Laboratory	1	2
Chemistry 1 Laboratory	1	2	General Statistics	3	4
Introduction to Programming (IT)	3	4	Ethics and Religious Philosophy	2	3
General Management	2	3	Introduction to Food Industry	2	3
Total mandatory	20	30	Total mandatory	21	31
Extracurricular Courses			Extracurricular Courses		
German Language and Culture 1	2		German Language and Culture 2	2	
Mandarin Language and Culture 1	2		Mandarin Language and Culture 2	2	
TOTAL	24	30	TOTAL	25	31

Semester 3			Semester 4		
Course	SKS	ECTS	Course	SKS	ECTS
Internship 1 (Indonesia)	3	10	English 3	2	3
Food Preservation	3	4	Food Biochemistry	2	3
Food Chemistry	3	4	Food Biochemistry Laboratory	1	2
Food Chemistry Laboratory	1	2	Unit Process	2	3
Good Practices in Food Industry	3	4	Food Nutrition	3	4
Food Material Characteristics	2	3	Food Microbiology	3	4
Food Regulation	3	4	Food Microbiology Laboratory	1	2
			Engineering Economics	3	4
			Thermodynamics & Kinetics	3	4
			Pancasila and Civic	3	4
Total mandatory	18	31	Total mandatory	23	33
Extracurricular Courses			Extracurricular Courses		
			German Language and Culture 3	4	
			Mandarin Language and Culture 3	4	
TOTAL	18	31	TOTAL	31	33

Semester 5			Semester 7		
Course	SKS	ECTS	Course	SKS	ECTS
English 4	2	3	English 5	2	3
Food Processing Technology	3	4	Food Engineering	3	4
Food Processing Technology Laboratory	1	2	Food Engineering Laboratory	1	2
Food Packaging and Storage Technology	4	6	Quality & Process Control	3	4
Food Analytical Instrumentation	3	4	Food Product Development	2	3
Sensory Evaluation	2	3	Research Methodology	2	3
Sensory Evaluation Laboratory	1	2	Experimental Design & Data Analysis	3	4
Indonesian Language	2	2	Elective subject 3	2	3
Elective subject 1	2	3	Elective subject 4	2	3
Elective subject 2	2	3	Elective subject 5	2	32
Total mandatory	22	32	Total mandatory	22	32
Extracurricular Courses			Extracurricular Courses		
German Language and Culture 4	4				
Mandarin Language and Culture 4	4				
TOTAL	30	32	TOTAL	22	32

Semester 6			Semester 8		
Course	SKS	ECTS	Course	SKS	ECTS
Internship 2 (abroad)	6	30	Oral Final Study Examination (OFSE)	3	4
			Thesis	6	15
			Entrepreneurship	2	3
			Seminar	1	2
			Total mandatory	12	24
TOTAL	6	30	TOTAL	12	24

Elective subjects (Semester 5)			Elective subjects (Semester 7)		
Elective	SKS	ECTS	Elective	SKS	ECTS
Biotechnology & Fermentation Technology	2	3	Food Process Unit Design & Modelling	2	3
Functional Food	2	3	Flavor Technology	2	3
Food Additives	2	3	Herbal & Traditional Industry	2	3
Halal Technology	2	3	Non-Destructive Evaluation Method	2	3
			Food Thermal Process	2	3
			Animal-Based Food Processing	2	3
			Plant-Based Food Processing	2	3