

CURRICULUM OF UNDERGRADUATE AGRO-INDUSTRIAL TECHNOLOGY STUDY PROGRAMME
FACULTY OF AGRO-INDUSTRIAL TECHNOLOGY
UNIVERSITAS PADJADJARAN

SEMESTER	No	Subject Code	Subjects	Credits (SKS)	ECTS
I	1	UNX01-007	Pancasila	2 (2-0)	3.2
	2	UNX01-001	Religion	2 (2-0)	3.2
	3	UNX01-008	Civic Education	2 (2-0)	3.2
	4	UNX01-004	Indonesian Language	2 (2-0)	3.2
	5	N10N1110	Introduction to Agroindustry	2 (2-0)	3.2
	6	UNX01-006	Exercises for Creativity and Entrepreneurship	2 (2-0)	4.8
	7	N10C201111	The Basics of Physics	2 (2-0)	3.2
	8	N10C201112	The Basics of Chemistry	3 (2-1)	4.8(3.2-1.6)
	9	N10C201113	The Basics of Microbiology	3 (2-1)	4.8(3.2-1.6)
			Total Credits	21	33.6
SEMESTER	No	Subject Code		Credits (SKS)	ECTS
II	1	N10C201114	The Basics of System Theory	2 (2-0)	3.2
	2	N10C201115	The Basics of Economics and Management	2 (2-0)	3.2
	3	N10C201116	The Basics of Process Engineering Calculations	2 (2-0)	3.2
	4	N10C201117	Industrial Microbiology	3 (3-0)	4.8(3.2-1.6)
	5	N10C201118	Technical Drawings, Schematics and Models	3 (2-1)	4.8(3.2-1.6)
	7	N10C201120	Computer Programming	3 (3-0)	4.8(3.2-1.6)
	8	N10C201121	Industrial Mathematics	2 (2-0)	3.2
	9	N10C201122	Engineering Economics	2 (2-0)	3.2
	10	N10C201123	Financial Management	2 (2-0)	3.2
	11	N10C201124	Unit Processes	2 (2-0)	3.2
			Total Credits	23	36.8
SEMESTER	No	Subject Code		Credits (SKS)	ECTS
III	1	N10C201140	Industrial Statistics	2 (2-0)	3.2
	2	N10C202116	Control and Instrumentation Systems	2 (2-0)	3.2
	3	N10C202117	Operations Research 1	2 (2-0)	3.2
	4	N10C202118	Supply Chain, Logistics, and Transport.	2 (2-0)	3.2
	5	N10C201150	Knowledge and Analysis of Natural Materials	3 (2-1)	4.8(3.2-1.6)
	6	N10C2105	Industrial Unit Operation	2 (2-0)	3.2
	7	N10C202119	The Basics of Bioprocess Engineering	2 (2-0)	3.2
	8	N10C202120	Agro-Industrial Equipment	2 (2-0)	3.2
	9	N10C201119	Computer-based Information System	2 (2-0)	3.2
	10	N10C201151	Material Handling	2 (2-0)	3.2
			Total Credits	21	33.6
SEMESTER	No	Subject Code		Credits (SKS)	ECTS
IV	1	N10C202121	Oil, Emulsion and Oleochemical Technology	3 (2-1)	4.8(3.2-1.6)
	2	N10C202122	Fiber, Rubber and Resin Technology	3 (2-1)	4.8(3.2-1.6)
	3	N10C202123	Small and Medium Enterprise Development	2 (2-0)	3.2
	4	N10C202124	Ergonomics	2 (2-0)	3.2
	5	N10C202125	Factory Layout	2 (2-0)	3.2
	6	N10C202126	Biorefinery and Bioeconomy	2 (2-0)	3.2
	7	N10C202127	Industrial Environmental Management	2 (2-0)	3.2

	8	N10C202128	Refreshments and Essential Oils Technology	3 (2-1)	4.8(3.2-1.6)
	9	N10C202129	Operations Management in Agro-industry	2 (2-0)	3.2
	10	N10C202130	Assessment 1	1	1.6
	11	N10C204119	Operations Research 2	2 (2-0)	3.2
			Total Credits	1	24
SEMESTER	No	Subject Code		Credits (SKS)	ECTS
V	1	N10C203119	Quality Management	2 (2-0)	3.2
	2	N10C203121	Quality Control Engineering	2 (2-0)	3.2
	3	N10C203122	Technopreneurship	2 (2-0)	3.2
	4	N10C203123	Packaging and Storage in Agro-industry	3 (2-1)	4.8(3.2-1.6)
	5	N10C203124	Starch and Sugar Technology	2 (2-0)	3.2
	6	N10C203125	Scientific Method	2 (2-0)	3.2
	7		Elective Courses of Process Technology	2 (2-0)	3.2
	8		Elective Courses of Bioprocess Technology	2 (2-0)	3.2
	9		Elective Courses of Systems	2 (2-0)	3.2
	10		Elective Courses of Management	2 (2-0)	3.2
			Total Credits	21	33.6
SEMESTER	No	Subject Code		Credits (SKS)	ECTS
VI	1	N10C204117	Agro-industrial Wastes Technology	3 (2-1)	4.8(3.2-1.6)
	2	N10C204118	The Change Management	3 (2-1)	4.8(3.2-1.6)
	3	N10C204119	The Agro-industrial Process Design	3 (2-1)	4.8(3.2-1.6)
	4	N10C204112	Project Design and Agribusiness	3 (2-1)	4.8(3.2-1.6)
	5		Elective Courses of Process Technology	2 (2-0)	3.2
	6		Elective Courses of Bioprocess Technology	2 (2-0)	3.2
	7		Elective Courses of Systems	2 (2-0)	3.2
	8		Elective Courses of Management	2 (2-0)	3.2
	9	N10C203121	English Language (TOEFL)	0	0
	10	N10C203120	Assessment 2	2 (2-0)	3.2
			Total Credits	22	35.2
SEMESTER	No	Subject Code		Credits (SKS)	ECTS
VII	1	N10C204114	Field Practice	3-0	4.8(3.2-1.6)
	2	N10C204115	Student Work and Lecture	3-0	4.8(3.2-1.6)
	3	N10C204116	Thesis and Scientific Publication	6-0	9.6
			Total Credits	12	19.2
SEMESTER	No	Subject Code		Credits (SKS)	ECTS
VIII					
			Total Credits for Graduation	144	230.4

Elective Courses (Semester V)

NO	Subject Code	Subjects	Credits	ECTS
1	N10C202132	Modelling and Simulation of Agro-industrial Systems	3-0	4.8
2	N10C202133	Decision Support System	3-0	4.8
3	N10C202135	The forest-products industry	3-0	4.8
4	N10C202136	The Perfume and Cosmetic Industry	3-0	4.8
5	N10C203126	Marketing Management and Managerial Economics	3-0	4.8

6	0	Forecasting Methods and Prospect Analysis	3-0	4.8
7	N10C203129	The Bioindustrial Technology	2-1	4.8(3.2-1.6)
8	N10C203142	The Downstream Processing Technology	2-1	4.8(3.2-1.6)
		Total Credits	24	38.4

Elective Courses (Semester VI)

NO	Subject Code	Subjects	Credits (SKS)	ECTS
1	N10C201152	Inovation System	3-0	4.8
2	N10C203134	Expert Systems and Artificial Intelligence	3-0	4.8
3	N10C203136	E-commerce	3-0	4.8
4	N10C204120	Supply Chain Management and Transportation	3-0	4.8
5	N10C203140	Extraction of active compounds	2-1	4.8(3.2-1.6)
6	N10C203141	Technology and Halal industy	3-0	4.8
7	N10C203143	Industrial Enzyme Technology	3-0	4.8
8	N10C203144	Bioenergy technology	3-0	4.8
		Total Credits	30	48

* Students have to take 6 credits of elective courses in Semester V and Semester VI

* Students have to take 144 credits for graduation