

Curriculum Overview Bachelor's Programme, 8 Semesters



1st Semester

Modul No.	Title of Module / Course Unit + Compulsory or elective?	Credit Points per Semester								Workload		Method of Teaching i.e. lecture course, seminar	Form and Duration of Examinations	weight of exam related to final grade
		1.	2.	3.	4.	5.	6.	7.	8.	Hours in Class	Hours Self-Study			
M1	Compulsory Courses	27,2								226,7	272,0			11%
UG191901	Islamic Studies	3,2								26,7	32,0	L	Exam Paper (100 Min) Project Essay / Presentation	25%
UG191902	Christian Studies											L		
UG191903	Catholic Studies											L		
UG191904	Hinduism Studies											L		
UG191905	Buddhism Studies											L		
UG191906	Khonghucu Studies											L		
VS191102	Computer Programming 1	3,2								26,7	32,0	L/T	Exam Paper (100 Min)/ Project Based	25%
VS191103	Introduction to Economic and Business	4,8								40,0	48,0	L	Exam Paper (120 Min)/ Project Essay	25%
VW191901	Engineering Mathematics	4,8								40,0	48,0	L		25%
VW191902	Applied Physics	4,8								40,0	48,0	L		25%
VS191101	Applied Probability	6,4								53,3	64,0	L/T	Exam Paper (120 Min)/ Project Essay	30%

2st Semester

M2	Compulsory Courses		30,4							253,3	304,0			13%
UG191911	Pancasila		3,2							26,7	32,0	L	Exam Paper (100 Min) Project Essay / Presentation	25%
VS191204	Engineering Economics		3,2							26,7	32,0	L		25%
VS191203	Computer Programming 2		3,2							26,7	32,0	L/T	Exam Paper (100 Min)/ Project Based	25%
VS191202	Vektor and Matrice		4,8							40,0	48,0	L	Exam Paper (120 Min) Project Essay	30%
VS191205	Operation Research		4,8							40,0	48,0	L		30%
VW191903	Applied Chemistry		4,8							40,0	48,0	L		30%

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		1.	2.	3.	4.	5.	6.	7	8	Hours in Class	Hours Self-Study			
VS191201	Introduction to Statistical Method		6,4							53,3	64,0	L/T	Exam Paper (120 Min) Project Essay	30%
3 st Semester														
M3	Compulsory Courses			32,0						266,7	320,0			13%
UG191912	Indonesian Language			3,2						26,7	32,0	L	Exam Paper (100 Min) Project Essay / Presentation	25%
VS191303	Database Management			3,2						26,7	32,0	L/T	Exam Paper (100 Min) Project Based	25%
VS191302	Sampling Technique			4,8						40,0	48,0	L/T	Exam Paper (100 Min) Project Based/ Presentation	30%
VS191304	Financial Management			4,8						40,0	48,0	L		25%
VS191305	Official Statistics			4,8						40,0	48,0	L		25%
VS191306	Operation Management			4,8						40,0	48,0	L		30%
VS191301	Experimental Design			6,4						53,3	64,0	L/T	Exam Paper (120 Min)/ Project Based	25%
4 st Semester														
M4	Compulsory Courses				32,0					266,7	320,0			13%
UG191913	Civic				3,2					26,7	32,0	L	Exam Paper (100 Min) Project Essay / Presentation	25%
VS191406	Productivity Measurement Technique				3,2					26,7	32,0	L		25%
VS191403	Statistical Computing				3,2					26,7	32,0	L/T	Exam Paper (100 Min)/ Project Based	25%
VS191402	Nonparametric Statistics				4,8					40,0	48,0	L	Exam Paper (120 Min) Project Essay	30%
VS191404	Financial Industry and Stock Market				4,8					40,0	48,0	L		25%
VS191401	Regression Method				6,4					53,3	64,0	L/T	Exam Paper (120 Min) Project Based/ Presentation	25%
VS191405	Statistical Quality Control				6,4					53,3	64,0	L/T		25%
5 st Semester														
M5	Compulsory Courses					32,0				266,7	320,0			13%

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		1.	2.	3.	4.	5.	6.	7	8	Hours in Class	Hours Self-Study	i.e. lecture course, seminar		
VS191503	Exploration and Data Visualization					3,2				26,7	32,0	L/T	Project Based/ Presentation	20%
VS191504	Appraisal Basics					3,2				26,7	32,0	L/T	Exam Paper (120 Min)/ Project Based	25%
VS191501	Forecasting Method					4,8				40,0	48,0	L/T	Exam Paper (120 Min) Project Essay/ Presentation	25%
VS191502	Categorical Data Modelling					4,8				40,0	48,0	L/T		30%
VS191506	Quality Management					4,8				40,0	48,0	L		25%
VS191507	Supply Chain Management					4,8				40,0	48,0	L		25%
VS191505	Social and Business Research Method					6,4				53,3	64,0	L	Exam Paper (120 Min) Project Based/ Presentation	25%
6 st Semester														
M6	Compulsory Courses						22,4			186,7	224,0			9%
VS191601	Internship						22,4			186,7	224,0	T	Internship Portfolio	50%
7 st Semester														
M7	Compulsory Courses							28,8		240,0	288,0			12%
VS191702	Unstructured Data Method							3,2		26,7	32,0	L/T	Exam Paper (120 Min) Project Based/ Presentation	25%
VS191703	Data Analysis 1							3,2		26,7	32,0	L/T		25%
VS191704	Investment and Portfolio Management							3,2		26,7	32,0	L		25%
UG191916	Technology Insight and Application							4,8		40,0	48,0	L	Exam Paper (120 Min) Project Essay/ Presentation	25%
VS191701	Applied Multivariate Method							4,8		40,0	48,0	L/T		25%
VS191705	Econometrics							4,8		40,0	48,0	L/T		25%
VW191904	Smart Technology Application							4,8		40,0	48,0	L		25%
8 st Semester														
M8	Compulsory Courses								35,2	213,3	528,1			15%
UG191914	English								3,2	26,7	32,0	L	Exam Paper (120 Min) Project Based / Presentation	25%
UG191915	Technopreneurship								3,2	26,7	32,0	L		25%
VS191802	Data Analysis 2								3,2	26,7	32,0	L/T/S		25%
VS191803	Risk Management								3,2	26,7	32,0	L		25%

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VS191804	Safety and Environment Management								3,2	26,7	32,0	L		25%
VS191801	Final Project								9,6	80,0	96,0	T/S	Oral Exam (90 Min)	25%
	English Proficiency (TOEFL)								3,2		90,7			
	Student Extracurricular Activity Unit								3,2		90,7			
	Paper Publication								3,2		90,7			

C	Colloquium								0,96	8	9,6			0,4%
BA	Bachelor's Thesis								9,6	80	96			4%

Total		27	30	32	32	32	22	29	35	1.920	4.200			
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L: Lecture

S: Seminar

T: Tutorial

Total Credit (ECTS): 240,0