CURRICULUM 2017-2018

Date/ Rev: 07 DECEMBER 2016 / Rev. 1
Program: Bachelor's
Valid: Batch 2017-2018

STUDY PROGRAM : COMPUTER SCIENCE

	Subject	Semester / SKS								
		1	2	3	4	5	6	7	8	Total
1	***University Compulsory Subjects***									
	English	2	2	2	2	1	1			10
	Fundamentals of Computer Technology	2								2
	E-Commerce						2			2
	Environmental Sciences			2						2
	Innovation and Product Development					2				2
	Statistics & Probability^				2					2
	Research							6		6
	Research Methodology						2			2
	Ethics and Religious Philosophy^					2				2
	Civics^				2					2
	Indonesian Language and Culture^						2			2
	Pancasila^		2							2
	Oral Final Study Examination (OFSE)^							0		0
	Elective : Internship / Project								3	3
	Thesis								6	6
	Total	**4**	**4**	**4**	**6**	**5**	**7**	**6**	**9**	**45**
2	***Faculty Compulsory Subjects***									
	Applied Chemistry & Material Science	3								3
	Calculus & Linear Algebra	3	3							6
	Physics & Laboratory	4	4							8
	Algorithms & Programming	3	3							6
	Logics	3								3
	Discrete Mathematics		2							2
	Applied Mathematics			3						3
	Elective in Engineering Science				2					2
	Engineering Economy					2				2
	Engineering Management						2			2
	Total	**16**	**12**	**3**	**2**	**2**	**2**	**0**	**-**	**37**
3	***Department Compulsory Subjects***									
	Introduction to Computer Science	1								1
	Industrial Electronics & Laboratory	3	3							6
	Advance Data Structure		3							3
	Collaboration & Communication		2							2
	Basic Automata Computability & Algorithms			3						3
	Digital Logic & Digital Systems			3						3
	Operating Systems			4						4
	Computer Architecture			3	2					5
	Interfacing & Data Communication			2	2					4
	Human-Computer Interaction				3					3
	Cost & Management Accountancy				3					3
	Distributed Database Systems				3					3
	Networking				2	3				5
	Introduction to Operational Research					2				2
	Software Engineering					3				3
	Computer Science Systems Design					3	3			6
	Machine Learning						2			2
	System Modeling & Simulation						3			3
	Elective Subjects (*)					6	6			12
	Total	**4**	**8**	**15**	**15**	**17**	**14**	**0**	**0**	**73**
	Total 1, 2, 3	**24**	**24**	**22**	**23**	**24**	**23**	**6**	**9**	**155**

*subject to change
^the actual implementation follows the internal arrangements & policies of the department & faculty

	Subject	Semester / SKS								
		1	2	3	4	5	6	7	8	Total
4	***Extra Curricular***									
	German Language	2	2	2	2	2	2			12
	Total	**2**	**2**	**2**	**2**	**2**	**2**	**0**	**0**	**12**

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