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**Developing Curriculum
for Master Program**

#DS&AI-JIF-USK



**Master Program in
Artificial Intelligence**

Core and Elective Courses

The master program in Artificial Intelligence at the Department of Informatics, Universitas Syiah Kuala (USK)



CORE AND ELECTIVE COURSES

Semester 1				
No	Code	Course	Credits	
1	MAI611	KECERDASAN BUATAN	(3-0)	3
		ARTIFICIAL INTELLIGENCE		
2	MAI612	PEMROGRAMAN KOMPUTER UNTUK DATA SAINS DAN KECERDASAN BUATAN	(3-1)	4
		PROGRAMMING FOR DATA SCIENCE AND ARTIFICIAL INTELLIGENCE		
3	MAI613	MANAJEMEN DAN PEMODELAN DATA	(3-0)	3
		DATA MANAGEMENT AND MODELLING		
4	PPS601	METODOLOGI PENELITIAN	(2-0)	2
		RESEARCH METHODOLOGY		
Total				12

Semester 2				
No	Code	Course	Credits	
1	PPS603	STATISTIKA	(2-0)	2
		STATISTICS		
2	MAI621	PEMBELAJARAN MESIN	(2-1)	3
		MACHINE LEARNING		
3	**	ELECTIVE COURSE I		3
4	**	ELECTIVE COURSE II		3
Total				11

Semester 3				
No	Code	Course	Credits	
1	MAI711	SEMINAR	(3-0)	3
		SEMINAR		
2	MAI712	KECERDASAN DAN ANALISA BISNIS	(3-1)	3
		BUSINESS INTELLIGENCE AND ANALYSIS		
3	*	ELECTIVE COURSE I		3
Total				9

Semester 4				
No	Code	Course	Credits	
1	MPAPT1	TESIS	(6-0)	6
		THESIS		
Total				6

ELECTIVE COURSE

*Odd Semesters Elective Courses				
No	Code	Course	Credits	
1	MAI714	LINGUISTIK KOMPUTASI	(3-0)	3
		COMPUTATIONAL LINGUISTICS		
2	MAI715	ANALISIS JEJARING SOSIAL	(2-1)	3
		SOCIAL NETWORK ANALYSIS		
3	MAI713	ANALISA DATA SPATIO-TEMPORAL	(2-1)	3
		SPATIO-TEMPORAL DATA ANALYSIS		

**Even Semesters Elective Courses				
No	Code	Course	Credits	
1	MAI623	HCI DAN VISUALISASI INFORMASI <i>HCI AND INFORMATION VISUALIZATION</i>	(2-1)	3
2	MAI624	PENGEMBANGAN PERANGKAT LUNAK DAN MANAJEMEN PROYEK <i>SOFTWARE DEVELOPMENT AND PROJECT MANAGEMENT</i>	(2-1)	3
3	MAI625	SISTEM TERDISTRIBUSI <i>DISTRIBUTED SYSTEMS</i>	(2-1)	3
4	MAI622	VISI KOMPUTER <i>COMPUTER VISION</i>	(3-0)	3

Note:

	Compulsory Courses AI
	Compulsory Courses PPs
	Odd Semester Elective Courses
	Even Semester Elective Courses

Detail: <https://data.unsyiah.ac.id/kurikulum>