

DISTRIBUTION OF COURSES IN INFORMATICS STUDY PROGRAM

No.	Course Name	SKS	Concentration (Specifically for the Selected Course Category)	Status	Minimum Grade Graduation
SEMESTER I					
1	ISLAMIC RELIGION	2	MKCU	E-Learning	B
2	DATABASE SYSTEM	3	MKWP	E-Learning	C
3	BASIC COMPUTER SECURITY	3	MKCF	E-Learning	C
4	ALGORITHM AND PROGRAMMING	3	MKWP		C
5	ENGLISH I	2	MKCU		B
6	CALCULUS	3	MKWP		C
7	STATISTICS AND PROBABILITY	3	MKCF		C
	Total	19 / 19			
SEMESTER II					
1	PANCASILA (NATIONAL IDEOLOGY)	2	MKCU	E-Learning	B
2	CCNA R&S 1	3	MKWP	E-Learning	C
3	COMPUTER ARCHITECTURE	3	MKWP	E-Learning	C
4	ENGLISH II	2	MKCU		B
5	DATA STRUCTURE	3	MKWP		C
6	PRACTICAL OF ALGORITHM AND DATA STRUCTURE	3	MKWP	Lab	C
7	DISCRETE MATHEMATICS	3	MKWP		C
	Total	19 / 19			
SEMESTER III					
1	SOFTWARE ENGINEERING	3	MKCF	E-Learning	C
2	OPERATING SYSTEM	3	MKWP	E-Learning	C
3	INTRODUCTION TO ARTIFICIAL INTELLIGENCE (AI)	3	MKWP	E-Learning	C
4	PROGRAMMING PL/SQL	3	MKCF		C
5	ADVANCED ALGORITHM	3	MKPP / Data Science Concentration		C
6	INTRODUCTION TO DATA SCIENCE	3	MKPP / Data Science Concentration		C
7	DATA COMMUNICATIONS	3	MKPP / Network Solution Concentration		C
8	CRYPTOGRAPHY AND STEGANOGRAPHY	3	MKPP / Network Solution Concentration		C
9	LINEAR ALGEBRA	3	MKWP		C
	Total	21 / 27			
SEMESTER IV					
1	CIVICS	2	MKCU	E-Learning	B
2	OBJECT ORIENTED ANALYSIS	3	MKCF	E-Learning	C
3	INTRODUCTION TO CLOUD COMPUTING	3	MKWP	E-Learning	C
4	WEB PROGRAMMING 1	3	MKWP		C
5	Mobile Programming	3	MKWP		C
6	IMAGE PROCESSING	3	MKPP / Data Science Concentration		C
7	2D/3D MODELLING	3	MKPP / Data Science Concentration		C
9	CCNA R&S 2	3	MKPP / Network Solution Concentration		C
9	INTRODUCTION TO CYBER SECURITY	3	MKPP / Network Solution Concentration		C
	Total	20 / 26			
SEMESTER V					
1	ENTREPRENEURSHIP I	2	MKCU	E-Learning	B
2	CAPITA SELECTA	3	MKWP	E-Learning	C
3	COMMUNICATION ETHICS AND PROFESSIONAL ETHICS	3	MKWP	E-Learning	C
4	WEB PROGRAMMING 2	3	MKWP		C
5	OBJECT ORIENTED PROGRAMMING	3	MKCF		C
6	INTRODUCTION TO DATA MINING	3	MKPP / Data Science Concentration		C
7	MATHEMATICAL TOOLS FOR DATA SCIENCE	3	MKPP / Data Science Concentration		C
8	CCNA R&S 3	3	MKPP / Network Solution Concentration		C
9	CCNA SECURITY	3	MKPP / Network Solution Concentration		C
	Total	20 / 26			

SEMESTER VI					
1	ETHICS OF UMB	2	MKCU	E-Learning	B
2	ENTREPRENEURSHIP II	3	MKCU	E-Learning	C+
3	ENGLISH FOR COMPUTER I	3	MKCU	E-Learning	C+
4	INTERNSHIP	4	MKWP	E-Learning	B
5	MACHINE LEARNING	3	MKPP / Data Science Concentration		C
6	SMART WEB PROGRAMMING	4	MKPP / Data Science Concentration		C
7	ADVANCE DATA MINING	3	MKPP / Data Science Concentration		C
8	WIRELESS NETWORK & MOBILE	3	MKPP / Network Solution Concentration		C
9	Network Administration System 1	4	MKPP / Network Solution Concentration		C
10	VOIP NETWORK	3	MKPP / Network Solution Concentration		C
	Total	19 / 32			
SEMESTER VII					
1	INDONESIAN LANGUAGE	2	MKCU	E-Learning	B
2	ENTREPRENEURSHIP III	3	MKCU	E-Learning	C+
3	ENGLISH FOR COMPUTER II	3	MKCU	E-Learning	C
4	SCIENTIFIC WRITING	3	MKWP	E-Learning	C
5	RESEARCH METHODOLOGY FOR INFORMATION TECHNOLOGY	4	MKWP		B
6	DEEP LEARNING	3	MKPP / Data Science Concentration		C
7	NATURAL LANGUAGE PROCESSING (NLP)	3	MKPP / Data Science Concentration		C
8	DATA SCIENCE PROJECT	3	MKPP / Data Science Concentration		C
9	CYBER OPS	3	MKPP / Network Solution Concentration		C
10	Network Administration System 2	3	MKPP / Network Solution Concentration		C
11	NETWORK AND COMPUTER SECURITY DESIGN PROJECT	3	MKPP / Network Solution Concentration		C
	Total	21 / 33			
SEMESTER VIII					
1	THESIS	6	MKWP		B
	Total	6			
Total		145 / 179			