

DOUBLE DEGREE - Academic Year 2023/2024

SEMESTER 1			SEMESTER 2		
	SKS	ECTS		SKS	ECTS
English 1	2	3	English 2	2	3
Algorithms and Object-Oriented Programming & Lab	4	6	Data Structures & Algorithms	3	4
Data Science Programming Language	2	3	Server-side Web Programming	4	6
Relational Database Design & Lab	3	4	Web Development Life Cycle Project	2	3
Discrete Mathematics	2	3	Introduction to Entrepreneurship	2	3
Web Design Fundamental	2	3	Ethics & Religious Philosophy	2	3
Analytical & Creative Thinking	3	4	Linear Algebra for Data Science	2	3
Statistics for Data Science	2	3	Probability for Data Science	2	3
Linux Fundamental & Computer Network	2	3	System Admin & Maintenance	2	3
TOTAL	22	32	TOTAL	21	31

SEMESTER 3			SEMESTER 4		
	SKS	ECTS		SKS	ECTS
English 3	2	3	English 4	2	3
Client-side Front-End Web Development	2	3	Back-End Web Development & tools	3	4
Personal & Profesional Development	4	6	Framework-based Web Programming	3	4
Non-Relational Database Design & Lab	3	4	Pancasila & Civic	3	4
Advanced Object-Oriented Programming	3	4	Network Security & Lab	3	4
Computer Security & Lab	3	4	Mobile Web Service & API (Middleware)	2	3
UI/UX Design & Evaluation	2	3	Introduction to Artificial Intelligence and Laboratory	3	5
Back-end System Administration	3	4	Emerging Technology in Cybersecurity	3	5
TOTAL	22	31	TOTAL	22	32

SEMESTER 5	SKS	ECTS
MBKM 1	13	23
TOTAL	13	23

SEMESTER 6	SKS	ECTS
MBKM 2	10	30
TOTAL	10	30

ELECTIVE SUBJECTS - JOINT DEGREE (FH SOEST)

ERP and Lab	2	3
Current Developments in Business IT	1	2
Challenges in Int. Management (Globalization and CSR)	1	2

SEMESTER 7	SKS	ECTS
English 5	2	3
Research Methodology	2	3
Indonesian Language	2	3
Data Mining	3	4
Native Mobile App Development	3	5
Secure Software Development Life Cycle	2	3
Elective Subjects	9	13
TOTAL	23	34

SEMESTER 8	SKS	ECTS
Thesis	6	20
Professional Competence Assessment (PCA)	3	4
Character and Professional Development Program (CPDP)	2	3
TOTAL	11	27

ELECTIVE SUBJECTS:		
Data Science using Python	2	3
Ethical Hacking	2	3
Malware Analysis	2	2
Cyber Threat Intelligence	3	5
ELECTIVE TOTAL	9	13

Total Compulsory : 144 SKS

Total ECTS : 240 ECTS

MBKM luar Prodi dalam PT : 9

MBKM luar PT : 23

SKS : Satuan Kredit Semester

ECTS : European Credit Transfer System

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