CU INFO

CURRICULUM INFORMATION TECHNOLOGY

Academic Year 2020/2021

| SEMESTER 1 | SKS | ECTS | SEMESTER 2 | SKS | ECTS |
|---|-----|------|---------------------------------------|-----|------|
| English 1 | 2 | 3 | English 2 | 2 | 3 |
| Algorithms & Object-Oriented Programming | 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 | 6 |
| Web Design Fundamental | 2 | 4 | Ethics & Religious Philosophy | 2 | 3 |
| Analytical & Creative Thinking | 3 | 3 | Linear Algebra for Data Science | 2 | 3 |
| Statictics 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 | 34 |

| SEMESTER 3 | SKS | ECTS |
|---|-----|------|
| English 3 | 2 | 3 |
| Client-side Front-End Web Development | 2 | 4 |
| Personal & Profesional Developmen t | 4 | 4 |
| Non-Relational Database Design & Lab | 3 | 4 |
| Advanced Object-Oriented Programming | | 4 |
| Computer Security & Lab | | 4 |
| UI/UX Design & Evaluation | 2 | 3 |
| Network Security & Lab | | 4 |
| TOTAL | 22 | 30 |

| SEMESTER 4 | SKS | ECTS | |
|--|-----|------|--|
| English 4 | 2 | 3 | |
| Back-End Web Development & tools | 3 | 4 | |
| Framework-based Web Programming | 3 | 4 | |
| Pancasila & Civic | | 4 | |
| Back-end System Administration | 3 | 4 | |
| Mobile Web Service & API (Middleware) | | 4 | |
| Streaming Subjects | 5 | 7 | |

| TOTAL | 21 | 30 |
|---|----|----|
| Package of Streaming subject IT Technopreneurship | | |
| Digital Marketing for Entrepreneurship | 3 | 3 |
| Applied Data Analytics for Business | 2 | 3 |
| Package of Streaming subject IT Data Science & Al | | |
| Introduction to Artificial Intelligence and Laboratory | 3 | 3 |
| Math for Machine Learnings | 2 | 4 |

| SEMESTER 5 | SKS | ECTS |
|--|-----|------|
| Internship 1 | 2 | 6 |
| Indonesian Language | 2 | 3 |
| Cross-Platform Mobile App Development I | 2 | 3 |
| Cross Study Program or Faculty Elective Course | 2 | 3 |
| Streaming Subjects | 5 | 9 |
| TOTAL | 13 | 24 |
| Package of Streaming subject IT Technopreneurship | | |
| Business Creation | 3 | 6 |
| Business Intelligence & Data Visualization | 2 | 3 |
| Package of Streaming subject IT Data Science & Al | | |
| Pattern Recognition & Image Processing | 3 | 6 |
| Big Data Infrastructure | 2 | 3 |
| SEMESTER 7 | SKS | ECTS |
| English 5 | 2 | 3 |
| • | | |
| Research Methodology | 2 | 3 |
| Data Mining | 3 | 4 |
| Native Mobile App Development | 4 | 6 |
| Secure Software Development Life Cycle | | 3 |
| Streaming Subjects | 7 | 10 |
| TOTAL | 20 | 29 |
| Package of Streaming subject IT Technopreneurship | | |
| Business Development | 3 | 4 |
| Full-stack Data Analytics Project in Business | | 3 |
| Business Coaching II | | 3 |
| Package of Streaming subject IT Data Science & Al | | |
| Machine Learning & Deep Learning | 4 | 6 |
| Big Data Analytics | 3 | 4 |

| SEMESTER 6 | SKS | ECTS |
|--|-----|------|
| Intenship 2 | 6 | 20 |
| ERP and Lab | | 3 |
| Current Developments in Business IT | | 2 |
| Challenges in Int. Management (Globalization and CSR) | | 2 |
| Streaming Subjects | | 3 |
| TOTAL | 12 | 30 |
| Package of Streaming subject IT Technopreneurship | | |
| Business Coaching I | 2 | 3 |
| Package of Streaming subject IT Data Science & Al | | |
| Data Science using Python | | 3 |

| SEMESTER 8 | SKS | ECTS |
|--|-----|------|
| Thesis | 6 | 20 |
| Professional Competence Assessment (PCA) | 3 | 4 |
| Character and Professional Development Program (CPDP) | | 3 |
| Cross-Platform Mobile App Development II | 2 | 4 |

TOTAL

Total Compulsory : 144 SKS Total ECTS : 240 ECTS SKS : Satuan Kredit Semester ECTS : European Credit Transfer System

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