President University

COURSES TAKEN IN
INFORMATION TECHNOLOGY

Academic Year 2018/2019

CENTER OF EXCELLENCE IN TEACHING

Welcome to President University, where tomorrow's leaders come together. You will be entering dynamic university environments where international students make up over 10% of the student population so your experience will be truly international. You will able to learn and share not only with your Indonesia peers but also those from other countries.

Our strong industry and professional partnership – with more than 1700 multinational companies from 30 countries [USA, Canada, UK, Germany, France, The Netherlands, China, Korea, Japan, Taiwan, Malaysia, Singapore, Australia] at JABABEKA INDUSTRIAL ESTATE, will ensure our graduates will leave with the skills and knowledge employment value most. The following is the key and brief courses will be taken for each study program.

COURSE GUIDELINE

CORES

1. Introduction to IT
2. Programming Concept
3. Web Design
4. Discrete Mathematics
5. Database System
6. Client-Side Internet Programming
9. Matrix and Vector
10. Visual Programming
11. Server-side Internet Programming
12. Data Structure and Algorithm
13. Database Management System
14. Digital System
15. Formal Language and Automation
16. Computer Network
17. Design and Analysis of Algorithms
18. Computer Graphics and Animation
19. Wireless Computing
20. Probability and Statistics
21. Computer Organization and Architecture
22. Visual Programming
23. Server-side Internet Programming
24. Computer Network
25. 3D Computer Graphics and Animation
26. Computing Network & Security
27. Network Socket Programming
28. Operating System Design
29. Software Engineering
30. IT Project Management
31. Artificial Intelligence
32. Mobile Programming

ELECTIVES COURSES

1. Speech Recognition
2. Computer Vision
3. Robotics
4. Image Processing
5. Compiler Design
6. Cryptography
7. Web Semantic
8. Natural Language Processing
9. Assembler
10. 3D Game Design
11. Service Oriented System
12. Machine Learning
13. Micro Controller