

Bachelor of Computer Science (Honours) in Data Science

Available in: Johor Bahru, Malaysia

Intake (Johor Bahru, Malaysia): January, May, September

Website: www.Raffles-IAO.com

3-year Bachelor of Computer Science (Honours) in Data Science

Year 1

- Business Statistics
- Introduction to Computational Thinking
- OOP with Python 1
- Databases
- Operating Systems and Computer Networks
- Critical Thinking
- Linear Algebra
- Computer System Fundamentals
- Neural Network Basics
- Discrete Mathematics
- U4: Community Service
- Neural Networks for Machine Learning
- Algorithms
- Data Analysis
- Software Specification & Modelling

Year 2

- U1: Ethics Appreciation and Civilisation / Malay Language Communication 2
- Artificial Intelligence Methods
- Data Processing Techniques
- U2: Creative Thinking / Bahasa Kebangsaan A
- OOP with Python 2
- U1: Philosophy and Current Issue
- U3: Malaysian Innovation
- Natural Language Processing
- Time Series Analysis & Forecasting
- Stochastic Analysis
- UI / UX Design
- Data Visualisation
- Knowledge Representation
- Bayesian Statistics and Experimental Design

Year 3

- Project 1
- Distributed Databases
- Python 3 – Advanced Data Analysis
- Entrepreneurship and New Business Development
- Project 2
- Ethics and IT
- Cloud Computing
- Business Analytics
- C++ Programming
- Professional Attachment

Note: Curricula are subject to change.