

TEACHING PLAN FOR DATA SCIENCE PROGRAM

UNDERGRADUATE LEVEL - 2025



First year		Second year		Third year		Fourth year		
Semester 1A	Semester 2A	Semester 1A	Semester 2A	Semester 1A	Semester 2A	Semester 1A	Semester 2A	
Informatics and Applied Artificial Intelligence ITE1292 (3cr)	Advanced Mathematics MAT1103 (3cr)	Introduction to Databases ITE1207 (3cr)	Physical Education 2 (1cr)	(E) Machine Learning for Data Science DAS1131E (3cr)	(E) Time Series Analytics DAS1107E (3cr)	(E) Business Process Analytics DAS1108E (3cr)		
English 1 ENG3201 (3cr)	Advanced Python Programming ITE1282 (3cr)	Probability and Statistics STA1101 (3cr)	(E) Introduction to Artificial Intelligence ITE1218E (3cr)	Econometrics ECO1104 (3cr)	(E) Principles of Marketing MKT1101E (3cr)	(E) Management Information Systems ITE1129E (3cr)	Elective Course 2 (3cr)	
	English 3 ENG3203 (3cr)	English 5 ENG3205 (3cr)	(E) Database Management Systems ITE1150E (3cr)	Marxist-Leninist Philosophy POL1111 (3cr)	Scientific Socialism POL1113 (2cr)	Data Analytics in Economics - Business		
						(E) Investment Management with Python DAS1114E (3cr)	(E) Online Consumer Behavior EBU1127E (3cr)	Graduation Project/Thesis DAS1422/3 (6cr)
						(E) Financial Data Analytics DAS1109E (3cr)	(E) Enterprise Resource Planning Systems EBU1133E (3cr)	Graduation Internship DAS1320 (3cr)
						Data Analytics in Finance	Data Analytics in Marketing	
Semester 1B	Semester 2B	Semester 1B	Semester 2B	Semester 1B	Semester 2B	Semester 1B	Semester 2B	
English 2 ENG3202 (3cr)	English 4 ENG3204 (3cr)	English 6 ENG3206 (3cr)	(E) Getting and Cleaning Data DAS1204E (3cr)	Ho Chi Minh Ideology POL1114 (2cr)	History of the Communist Party of Vietnam POL1115 (2cr)	Data Analytics in Economics and Business Specialization Project - DAS1428 (3cr)	Data Analytics in Marketing Specialization Project DAS1430 (3cr)	
Project Design 1 SKI1107 (3cr)	Introduction to Law LAW1101 (3cr)	Computer Statistics DAS1101 (3cr)	Project Design 2 SKI1108 (3cr)	(E) Principle of Finance and Banking FIN1155E (3cr)	Marxist-Leninist Political Economics POL1112 (2cr)	(E) Decision Making Optimization for Business DAS1113E (3cr)	(E) Data-driven Marketing DAS1117E (3cr)	
Basic Python Programming ITE1277 (3cr)	Data Structures and Algorithms ITE1283 (3cr)	Physical Education 1 (1cr)	Elective Course 1 (3cr)	(E) Data Visualization DAS1105E (3cr)	Microeconomics ECO1101 (3cr)	(E) Business Strategy Analytics DAS1112E (3cr)	(E) Digital Marketing Data Analytics DAS1116E (3cr)	
			Physical Education 3 (1cr)		Data Science Internship DAS1326 (1cr)	Data Analytics in Economics - Business	Data Analytics in Marketing	
			Military Education MIL1203		Data Science Project DAS1427 (2cr)	Data Analytics in Finance Specialization Project DAS1429 (3cr)		
						(E) Automation in Financial Investment DAS1110E (3cr)		
						(E) Data Mining for Big Data DAS1118E (3cr)		
						Data Analytics in Finance		

Notations Used

Course name
Course ID (Credit)
(E) English-taught course

- List of elective courses**
- Digital Citizenship
 - Global Citizenship
 - Japanese Concepts to Win Friends and Influence People
 - Country Studies of Japan
 - Country Studies of China
 - World Economics Geography
 - Cross-cultural Communication
 - Mental Health Education
 - Entrepreneurship
 - Equity and Trust Law
 - Commercial Law
 - International Law
 - The Basic of Arts
 - Arts of Leadership
 - Professional Personal Branding
 - Diplomatic Protocol
 - Introduction to Digital Transformation
 - Global Issues
 - Applied Data Analytics
 - Enterprises Law
 - Sustainable Development
 - Personal Financial Management
 - Global Strategic Management
 - Communication Psychology
 - Creative Presentation
 - Basic Korean for Communication 1, 2
 - Basic Japanese for Communication 1, 2
 - Chinese 1, 2
 - Aesthetic Thinking
 - Diplomatic Reception and Table Art
 - Cultures of Southeast Asia Countries
 - Korean Traditional Culture
 - Human Civilization

* Physical Education module: choose 1 out of 5 subjects: Aerobics, Boxing, Vovinam, Dancesport, Bodybuilding