TEACHING PLAN FOR INFORMATION TECHNOLOGY PROGRAM
UNDERGRADUATE LEVEL – 2024

Legend:
- Basic knowledge
- Foundational disciplinary knowledge
- Advanced disciplinary knowledge
- Supporting Knowledge
- Internship
- Non-accumulative knowledge

First year

Semester 1A
- Introduction to Programming ITE1203 (3cr)
- English 1 ENG3101 (4cr)

Semester 2A
- Project Design 1 SKI1107 (3cr)
- English 3 ENG3103 (4cr)

Semester 1B
- English 2 ENG3102 (4cr)
- Introduction to Computer Basics ITE1201 (3cr)
- Programming Techniques ITE1205 (3cr)

Semester 2B
- English 4 ENG3104 (4cr)
- Introduction to Law LAW1101 (3cr)
- Data Structures and Algorithms ITE1206 (3cr)

Second year

Semester 1A
- Advanced Mathematics MAT1103 (3cr)
- Graph Theory ITE1209 (3cr)
- English 5 ENG3105 (4cr)

Semester 2A
- Project Design 2 SKI1108 (3cr)
- Probability and Statistics STA1101 (3cr)
- (E) Operating Systems ITE1115E (3cr)
- Physical Education 2 (1cr)

Semester 1B
- English 6 ENG3106 (4cr)
- Physical Education 1 (1cr)
- Object-oriented Programming ITE1208 (3cr)

Semester 2B
- (E) Computer Networking ITE1210E (3cr)
- Elective Course 1 (3cr)
- Physical Education 3 (1cr)
- Military Education MIL1203

Third year

Semester 1A
- Introduction to Artificial Intelligence ITE1218 (3cr)
- Introduction to Databases ITE1207 (3cr)
- (E) Software Technology ITE1186E (2cr)

Semester 2A
- (E) Desktop Application Development ITE1264E (3cr)
- (E) Java Technology ITE1219E (3cr)
- Marxist-Leninist Political Economics POL1112 (2cr)
- Scientific Socialism POL1113 (2cr)

Semester 1B
- Marxist-Leninist Philosophy POL1111 (3cr)
- Analytics and Design of Information Systems ITE1214 (3cr)
- (E) Information Security ITE1257E (3cr)

Semester 2B
- History of the Communist Party of Vietnam POL1115 (2cr)
- Ho Chi Minh Ideology POL1114 (2cr)
- (E) Web Application Development ITE1265E (3cr)
- Information Technology Internship ITE1387 (1cr)

Fourth year

Semester 1A
- (E) Mobile Device Programming ITE1221E (3cr)
- Elective Course 2 (3cr)
- (E) Advanced Databases ITE1224E (3cr) — *Enterprise information system*
- (E) Advanced Computer Networking ITE1235E (3cr) — *Computer Networking*
- (E) Machine Learning ITE1173E (3cr) — *Artificial Intelligence*
- (E) Information Security for Web Applications ITE1268E (3cr) — *Cyber Security*

Semester 2A
- (E) Management information Systems ITE1129E (3cr) — *Enterprise information system*
- (E) Computer Network Programming ITE1255E (3cr) — *Computer Networking*
- (E) Data Mining and Applications ITE1176E (3cr) — *Artificial Intelligence*
- (E) Information Security Analytics and Evaluation ITE1239E (3cr) — *Cyber Security*
- Elective Course 3 (3cr)
- Graduation Project / Thesis ITE1446/7 (6cr)
- Graduation Internship ITE1360 (3cr)

Semester 1B

Artificial Intelligence
- Artificial Intelligence Specialization Project ITE1491 (3cr)
- (E) Application Developmen of Artificial Intelligence ITE1174E (3cr)
- (E) Computer Vision ITE1181E (3cr)

Enterprise information system
- (E) Enterprise Resource Planning ITE1285E (3cr)
- (E) Business Analytics ITE1284E (3cr)
- Enterprise Information System Specialization Project - ITE1488 (3cr)

Computer Networking
- (E) Computer Networks Design ITE1267E (3cr)
- (E) Network Administrator ITE1241E (3cr)
- Computer Networking Specialization Project ITE1489 (3cr)

Cyber Security
- (E) Computer Network Security ITE1223E (3cr)
- (E) Digital Forensics ITE1258E (3cr)
- Cyber Security Specialization Project - ITE1490. (3cr)

Semester 2B

Notations Used

Course name
Course ID (Credit) — Course information

(E) — English-taught course

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

List of elective courses
- 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
- Commercial Law
- International Law
- The Basic of Arts
- Arts of Leadership
- Professional Personal Branding
- Diplomatic Protocol
- Introduction to Digital Transformation
- Global Issues
- Enterprises Law
- Applied Data Analytics
- Personal Financial Management
- Global Strategic Management
- Communication Psychology
- Creative Presentation
- Aesthetic Thinking
- Diplomatic Reception and Table Art
- Korean Traditional Culture
- Human Civilization
- Cultures of Southeast Asia Countries