[Reference Material]

Rev. 1.1

Relationship between Model Curriculum and Textbooks at University in Viet Nam

Information-Technology Promotion Agency
IT human resources development headquarters
IT skill standard center

Followings are Textbooks used at University in Viet Nam. They cover most parts of this model curriculum. The coverage of this model curriculum (ITSS Model Curriculum - To get level 2 – Corresponding with ITSS V3) and these books are checked by comparing the table of contents of these books with Body of knowledge in Common Career/Skills Framework 1.0.

(a) Modern Operating Systems by Andrew S. Tanenbaum
(b) Software Engineering by Ian Sommerville
(c) Data Structures and Algorithms in Java by Michael T. Goodrich and Roberto Tamassia
(d) Requirements Engineering: Processes and Techniques by Gerald Kontonya, Ian Sommerville
(e) Computer Networks by Andrew S. Tanenbaum
(f) First Course in Database Systems by Jeffrey D. Ullman, Jennifer Widom

The coverage of the books above will follow.

[Course Group: IT fundamentals 2]

Most parts of below are covered by (a) Modern Operating Systems by Andrew S. Tanenbaum, (b) Software Engineering by Ian Sommerville and (d) Requirements Engineering: Processes and Techniques by Gerald Kontonya, Ian Sommerville..

Course:	IT engineer fundamentals
Subjects:	IT engineer fundamentals (1) and (2)

Most parts of below are covered by (b) Software Engineering by Ian Sommerville, (c) Data Structures and Algorithms in Java by Michael T. Goodrich and Roberto Tamassia and (d) Requirements Engineering: Processes and Techniques by Gerald Kontonya, Ian Sommerville.

Course:	Programming fundamentals
Subjects:	Programming fundamentals (1) and (2)

[Course Group: System development fundamentals]

Most parts of below are covered by (b) Software Engineering by Ian Sommerville and (d) Requirements Engineering: Processes and Techniques by Gerald Kontonya, Ian Sommerville.

Course:	Application development fundamentals
Subjects:	Application development fundamentals (1) and (2)

Most parts of below are covered by (e) Computer Networks by Andrew S. Tanenbaum

Course:	Network fundamentals
Subjects:	Network fundamentals (1) and (2)

Most parts of below are covered by (f) First Course in Database Systems by Jeffrey D. Ullman, Jennifer Widom

Course:	Database fundamentals
Subject:	Database fundamentals

Basic concepts of below are covered by (b) Software Engineering by Ian Sommerville. Most of technological elements of bellows are covered by (a) Modern Operating Systems by Andrew S. Tanenbaum and (e) Computer Networks by Andrew S. Tanenbaum

Course:	Security fundamentals
Subject:	Security fundamentals