

COURSE STRUCTURE
Bachelor of Science Program in Information Technology
DPU International College, Dhurakij Pundit University
135 Credits

Curriculum structure

A. General education 30 credits

Science and mathematics	6	credits
Humanities	6	credits
Social sciences	9	credits
Language	9	credits

B. Specific requirement 99 credits

Core courses	42	credits
Compulsory courses	42	credits
Elective courses	15	credits

C. Free elective 6 credits

Course requirements

A. General education 30 credits

Science and mathematics 6 credits

MA150 Mathematics and Statistics for Daily Life 3 (3-0-6)

SC150 Sciences and Technology for Quality of Life and
Society 3 (3-0-6)

Humanities 6 credits

IL150 Information for Research 1 (1-2-4)

GE150 Physical Education for Quality of Life 1 (1-1-1)

GE169 Holistic Approaches to Life 1 (1-1-2)

Select 1 course 3 credits

GE151 Man and Reasoning 3 (3-0-6)

GE152 Philosophy and Life 3 (3-0-6)

GE153 Thai Studies 3 (3-0-6)

GE154 Thai Folk Wisdom 3 (3-0-6)

GE161 World Civilization 3 (3-0-6)

Social sciences 9 credits

BA151 Managing Business for New Entrepreneur 3 (3-0-6)

BA152 Business Analysis and Planning 3 (3-0-6)

Select 1 course 3 credits

GE155 Politics, Economy and Society 3 (3-0-6)

GE156 Psychology for Quality of Life 3 (3-0-6)

GE167 Public Mind for Community 3 (3-2-6)

LW150 Introduction to the Study of Laws 3 (3-0-6)

Language 9 credits

LE101 English Use 1 3 (3-0-6)

LE102 English Use 2 3 (3-0-6)

Select 1 course 3 credits

TH150	Communication Skills in Thai	3 (3-0-6)
TH160	Communication Skills in Thai for Non-Native Speakers	3 (3-0-6)

B. Specific requirement 99 credits

Core courses 42 credits

ET201	Discrete Mathematics	3 (3-0-6)
ET206	Information Technology	3 (3-0-6)
ET207	Multimedia Technology	3 (2-2-6)
ET208	Computer Program Development 1	3 (2-2-6)
ET209	Computer Program Development 2	3 (2-2-6)
ET210	Computer Systems Organization	3 (3-0-6)
ET211	Data Communications and Networking	3 (3-0-6)
ET212	Data Structures and Algorithms	3 (2-2-6)
ET215	Database Systems	3 (2-2-6)
ET217	Electronic Office and Desktop Publishing	3 (2-2-6)
MA250	Principles of Statistics	3 (3-0-6)
BB210	Business Research Methods	3 (3-0-6)
LA143	English for Business Communication 1	3 (2-2-6)
LA144	English for Business Communication 2	3 (2-2-6)

Compulsory courses 42 credits

ET301	Multimedia Software Design and Development	3 (2-2-6)
ET302	Network Management and Design	3 (2-2-6)
ET303	Software Engineering	3 (3-0-6)
ET304	Laws and Ethics for Information Technology	3 (3-0-6)
ET305	Management and Information Technology	3 (3-0-6)
ET308	Object-Oriented Analysis and Design	3 (3-0-6)
ET309	Electronic Commerce	3 (2-2-6)

ET310	Human-Computer Interaction	3 (3-0-6)
ET311	Web Application Development	3 (2-2-6)
ET312	Graphic Design for Digital Media	3 (2-2-6)
ET313	Web Design	3 (2-2-6)
ET329	Information Systems Security	3 (3-0-6)
ET406	Information Technology Project Preparation	3 (0-0-9)
ET407	Information Technology Project	3 (0-0-9)

Elective courses 15 credits

Select 15 credits from the following courses or compulsory/elective courses offered in any other international or English program:

ET322	Decision Support Systems	3 (3-0-6)
ET332	Network Security	3 (3-0-6)
ET335	Advanced Web Application Development	3 (2-2-6)
ET336	Mobile Application Development	3 (2-2-6)
ET337	Game Development	3 (2-2-6)
ET338	Advanced Database Systems	3 (2-2-6)
ET339	Knowledge Management	3 (3-0-6)
ET340	Spreadsheet Modeling	3 (2-2-6)
ET341	3D Modeling	3 (2-2-6)
ET342	Computer Animation	3 (2-2-6)
ET343	Game Design	3 (2-2-6)
ET344	Advanced Web Design	3 (2-2-6)
ET345	Information Technology Project Management	3 (3-0-6)
ET404	Current Topics in Information Technology	3 (3-0-6)
ET405	Special Topics in Information Technology	3 (3-0-6)
ET410	Cooperative Education	6 (600 hrs)

C. Free elective 6 credits

Students must complete 6 credits from courses offered in any international or English program with approval from the program committee.