

**MASTER OF ENGINEERING IN INFORMATION TECHNOLOGY
PROGRAM CURRICULUM**

No	Subject code	Subject	Number of credits	Semester
I	GENERAL KNOWLEDGE		3	
1	PE505	Philosophy	3	1
II	REQUIRED SUBJECTS		28	
1	IT515	Advanced Data Structures and Algorithms	4	1
2	IT502	Advanced Database	4	
3	IT516	Advanced Computer Graphics	4	
4	IT517	Cryptography	4	
5	PE501	Research Methodology	2	
6	PE502	Professional Ethics	2	
7	IT554	Artificial Intelligence	4	
8	IT545	Algorithm Optimization	4	
III	OPTIONAL SUBJECTS		4	
1	IT548	Advanced IT Project Management	4	2
2	IT522	Data Warehousing and Data Mining	4	
3	IT521	Software Designs and Architectures	4	2
4	IT531	Network Mangement	4	
IV	RESEARCH SUBJECTS		13	
1	IT551	Special study	4	3-4
2	IT552	Special study	4	
3	IT560	Research Project	5	
V	THESIS		15	
1	IT564	Thesis	15	4
TOTAL			63	

Notice: For international students, Philosophy will be replaced with Vietnamese History Culture./.