

Program Structure of the Curriculum

Doctor of Engineering in Electrical and Computer Engineering

Plan 1.1

Doctor of Engineering in Electrical and Computer Engineering Plan 1.1			
Semester	1.	Dissertation	9 credits (30 ECTS credits)
	2.	Dissertation	9 credits (30 ECTS credits)
	3.	Dissertation	9 credits (30 ECTS credits)
	4.	Dissertation	9 credits (30 ECTS credits)
	5.	Dissertation	9 credits (30 ECTS credits)
	6.	Dissertation	9 credits (30 ECTS credits)
Total			54 credits (180 ECTS credits)

Course outlines

	Thai credit	ECTS credit
Total required credit	54	180
Dissertation	54	180

Plan of Study

Plan 1.1 (6 semesters)

Course	ECTS credits	KMUTNB Credits	Code
Semester I			
Dissertation	30	9	090246098
Total of Semester I	30	9	
Semester II			
Dissertation	30	9	090246098
Total of Semester II	30	9	
Semester III			
Dissertation	30	9	090246098
Total of Semester III	30	9	
Semester IV			
Dissertation	30	9	090246098
Total of Semester IV	30	9	
Semester V			
Dissertation	30	9	090246098
Total of Semester V	30	9	
Semester VI			
Dissertation	30	9	090246098
Total of Semester VI	30	9	
Total	180	54	

Regular study plan

Semester 1 Year 1 090246098 9 Dissertation	Semester 1 Year 2 090246098 9 Dissertation	Semester 1 Year 3 090246098 9 Dissertation
Semester 2 Year 1 090246098 9 Dissertation	Semester 2 Year 2 090246098 9 Dissertation	Semester 2 Year 3 090246098 9 Dissertation

Plan 1.2

Doctor of Engineering in Electrical and Computer Engineering			
Plan 1.2			
Semester	1.	Dissertation (6 credits)	9 credits (30 ECTS credits)
		Seminar in ECE (3 credits)	
	2.	Dissertation (6 credits)	9 credits (30 ECTS credits)
		Industrial Research Methodology (3 credits)	
	3.-8.	Dissertation	10 credits (30 ECTS credits)
	Total		78 credits (240 ECTS credits)

Course outlines

	Thai credit	ECTS credit
Total required credit	78	240
Taught course	6	12
Core course	6	12
Dissertation	72	228

Plan of Study

Plan 1.2 (8 semesters)

Course	Lecture hours	Assignment and self-study	Preparation for exam	Total working hours per semester	ECTS credits	KMUTNB Credits	Code
Semester I							
Dissertation					24	6	090246098
Seminar in Electrical and Computer Engineering	3h x 15w	5h x 15w	30	150	6	3(3-0-6)	090246097
Total of Semester I					30	9	
Semester II							
Dissertation					24	6	090246098
Industrial Research Methodology	3h x 15w	5h x 15w	30	150	6	3(3-0-6)	090246096
Total of Semester II					30	9	
Semester III							
Dissertation					30	10	090246098
Total of Semester III					30	10	
Semester IV							
Dissertation					30	10	090246098
Total of Semester IV					30	10	
Semester V							
Dissertation					30	10	090246098
Total of Semester V					30	10	
Semester VI							
Dissertation					30	10	090246098
Total of Semester VI					30	10	
Semester VII							
Dissertation					30	10	090246098
Total of Semester VII					30	10	
Semester VIII							
Dissertation					30	10	090246098
Total of Semester VIII					30	10	
Total					240	78	

Regular study plan

Semester 1 Year 1

090246098 6
Dissertation

090246097 3(3-0-6)
Seminar in Electrical
and Computer
Engineering

Semester 1 Year 2

090246098 10
Dissertation

Semester 1 Year 3

090246098 10
Dissertation

Semester 1 Year 4

090246098 10
Dissertation

Semester 2 Year 1

090246098 6
Dissertation

090246096 3(3-0-6)
Industrial Research
methodology

Semester 2 Year 2

090246098 10
Dissertation

Semester 2 Year 3

090246098 10
Dissertation

Semester 2 Year 4

090246098 10
Dissertation