

STUDY PLAN

Computer Engineering

FIRST YEAR

First Semester

Code	Subjects	Credits
ELE 1001	Communicative English I	3 (2-3-6)
BG 1204	Calculus I	3 (3-0-6)
BG 1211	Physics I	3 (3-0-6)
BG 1212	Physics Laboratory I	1 (0-3-2)
BG 1221	Computer Programming	3 (3-0-6)
BG 2208	Discrete Mathematics	3 (3-0-6)
ME 1114	Engineering Workshop	2 (0-4-2)

Students select 1 from the following 2 (2-0-4)
3 courses:

GE 1410	Thai for Professional Communication (for Thai students)	
GE 1411	Thai Language for Multicultural Communication (for non-Thai students)	
GE 1412	Introductory Thai Usage (for Thai students from international program)	
Total		20 (16-10-38)

Second Semester

Code	Subjects	Credits
ELE 1002	Communicative English II	3 (2-3-6)
EG 1205	Calculus II	3 (3-0-6)
BG 1213	Physics II	3 (3-0-6)
BG 1214	Physics Laboratory II	1 (0-3-2)
CE 2102	Data Structures and Algorithms	3 (3-0-6)
CE 2703	Introduction to Computer Systems	3 (3-0-6)
ME 1113	Engineering Drawing	3 (2-3-6)
Total		19 (16-9-38)

SECOND YEAR

First Semester

Code	Subjects	Credits
ELE 2000	Academic English	3 (2-3-6)
BBA 1004	Essential Marketing for Entrepreneurs	2 (2-0-4)
BG 2207	Engineering Mathematics	3 (3-0-6)
CE 2103	Object-Oriented Programming	3 (3-0-6)
EE 2201	Electric Circuits	3 (3-0-6)
EE 2202	Electric Circuits Laboratory	1 (0-3-2)
EE 2605	Engineering Electronics	3 (3-0-6)
EE 2606	Engineering Electronics	1 (0-3-2)
Total		19 (16-9-38)

Second Semester

Code	Subjects	Credits
ELE 2001	Advanced Academic English	3 (2-3-6)
BBA 1005	Essential Finance for Entrepreneurs	2 (2-0-4)
BBA 1006	Essential Economics for Entrepreneurs	2 (2-0-4)
BG 2212	Applied Statistics	3 (3-0-6)
CE 2104	Software Design and Development	3 (3-0-6)
CE 2704	Digital Logic Design	3 (3-0-6)
CE 2705	Digital Logic Design Laboratory	1 (0-3-2)
GE 1303	Science for Sustainable Future 2	2 (2-0-4)
Total		19 (17-6-38)

THIRD YEAR

First Semester

Code	Subjects	Credits
BBA 1007	Data Analytics for Entrepreneurs	3 (2-2-5)
CE 2709	Computer Architecture	3 (3-0-6)
CE 3103	Computer Operating Systems	3 (3-0-6)
CE 3109	Database Management Systems	3 (3-0-6)
CE 4221	Network Applications and Technology	3 (3-0-6)
EE 3705	Microprocessors and Microcontrollers	3 (3-0-6)
Total		18 (17-2-35)

Second Semester

Code	Subjects	Credits
CE 3104	Software Engineering	3 (2-3-6)
CE 4224	Telecommunication Network Laboratory	1 (0-3-2)
CE 3222	Computer Networks	3 (3-0-6)
GE 2110	Human Civilization and Global Citizens	2 (2-0-4)
GE 2202	Ethics	3 (3-0-6)
	One Major Elective Course	3 (3-0-6)
Total		15 (13-6-30)

FORTH YEAR

First Semester

Code	Subjects	Credits
CE 4225	Computer and Network Security	3 (3-0-6)
CE 4715	Artificial Intelligence I	3 (3-0-6)
CE 4901	Computer Engineering Project I	1 (0-3-2)
	One Major Elective Course	3 (3-0-6)
	One Major Elective Course	3 (3-0-6)
	One Free Elective Course	3 (3-0-6)
Total		16 (15-3-32)

Second Semester

Code	Subjects	Credits
CE 4902	Computer Engineering Project II	2 (0-6-3)
	One Major Elective Course	3 (3-0-6)
	One Major Elective Course	3 (3-0-6)
	One Major Elective Course	3 (3-0-6)
	One Free Elective Course	3 (3-0-6)
Total		14 (12-6-27)