

Study Plan

1. For students who do not participate in cooperative education/exchange program

Year 1 Semester 1		Credits (Lecture – Lab – Self Study)
01204111	Computers and Programming	3(2-3-6)
01417167	Engineering Mathematics I	3(3-0-6)
01420111	General Physics I	3(3-0-6)
01420113	Laboratory in Physics I	1(0-3-2)
01999111	Knowledge of the Land	2(2-0-4)
01999021	Thai Language for Communication	3(3-0-6)
01175xxx	Physical Education Activities	1(0-2-1)
01355xxx	English	<u>3(3-0-6)</u>
Total		<u>19(- -)</u>

Year 1 Semester 2		Credits (Lecture – Lab – Self Study)
01208111	Engineering Drawing	3(2-3-6)
01403114	Laboratory in Fundamentals of General Chemistry	1(0-3-2)
01403117	Fundamental of General Chemistry	3(3-0-6)
01417168	Engineering Mathematics II	3(3-0-6)
01420112	General Physics II	3(3-0-6)
01420114	Laboratory in Physics II	1(0-3-2)
01355xxx	English	3(3-0-6)
	General Education: Wellness	<u>3(- -)</u>
Total		<u>20(- -)</u>

Year 2 Semester 1		Credits (Lecture – Lab – Self Study)
01205211	Electric Circuit Analysis I	3(3-0-6)
01205215	Computer Programming for Electrical Engineers	3(3-0-6)
01205241	Digital Circuits and Logic Design	3(3-0-6)
01208221	Engineering Mechanics I	3(3-0-6)
01417267	Engineering Mathematics III	3(3-0-6)
01355xxx	English	3(3-0-6)
	General Education: Language and Communication (Information/Computer)	<u>1(- -)</u>
	Total	<u>19(- -)</u>

Year 2 Semester 2		Credits (Lecture – Lab – Self Study)
01205213	Electronics and Electrical Engineering Laboratory	1(0-3-2)
01205214	Electrical Machines Laboratory and Electrical Practices	1(0-3-2)
01205216	Signals and Systems	3(3-0-6)
01205217	Electromagnetic Fields and Waves	3(3-0-6)
01205218	Electrical Measurements and Instruments	3(3-0-6)
01205242	Electronic Circuits and Systems I	3(3-0-6)
01205251	Electromechanical Energy Conversion I	3(3-0-6)
01205219	Applied Probability for Electrical Engineering	3(3-0-6)
	Total	<u>20(- -)</u>

Year 3 Semester 1		Credits (Lecture – Lab – Self Study)
01205311	Microprocessor	3(3-0-6)
01205312	Linear Control Systems	3(3-0-6)
01213211	Materials Science for Engineers	3(3-0-6)
01205321	Principles of Communications	3(3-0-6)
01205326	Data Communications and Networks I	3(3-0-6)
01205381	Communication Architecture and Devices Laboratory	1(0-3-2)
	Free Elective	<u>3(- -)</u>
	Total	<u>19(- -)</u>

Year 3 Semester 2		Credits (Lecture – Lab – Self Study)
01205324	Digital Communications	3(3-0-6)
01205325	Communication Network and Transmission Lines	3(3-0-6)
01205327	Mobile Communications	3(3-0-6)
01205323	Digital Signal Processing	3(3-0-6)
01205329	Antenna Engineering	3(3-0-6)
01205382	Communication Systems and Networks Laboratory	1(0-3-2)
	Free Elective	<u>3(- -)</u>
	Total	<u>19(- -)</u>

Year 4 Semester 1		Credits (Lecture – Lab – Self Study)
01205399	Internship	1
01205491	Electrical Engineering Project I	1(0-3-2)
01205497	Seminar	1(0-3-2)
01205xxx	EE Electives	3(3-0-6)
01205xxx	EE Electives	3(3-0-6)
	General Education: Aesthetics	<u>3(- -)</u>
	Total	<u>12(- -)</u>

Year 4 Semester 2		Credits (Lecture – Lab – Self Study)
01205499	Electrical Engineering Project II	3(0-9-5)
01205xxx	EE Electives	3(3-0-6)
	General Education: Entrepreneurship	3(- -)
	General Education: Thai Citizen and Global Citizen	3(- -)
	General Education: Wellness	<u>2(- -)</u>
	Total	<u>14(- -)</u>

2. For students who participates in cooperative education

Year 1 Semester 1		Credits (Lecture – Lab – Self Study)
01204111	Computers and Programming	3(2-3-6)
01417167	Engineering Mathematics I	3(3-0-6)
01420111	General Physics I	3(3-0-6)
01420113	Laboratory in Physics I	1(0-3-2)
01999111	Knowledge of the Land	2(2-0-4)
01999021	Thai Language for Communication	3(3-0-6)
01175xxx	Physical Education Activities	1(0-2-1)
01355xxx	English	<u>3(3-0-6)</u>
Total		<u>19(- -)</u>

Year 1 Semester 2		Credits (Lecture – Lab – Self Study)
01208111	Engineering Drawing	3(2-3-6)
01403114	Laboratory in Fundamentals of General Chemistry	1(0-3-2)
01403117	Fundamental of General Chemistry	3(3-0-6)
01417168	Engineering Mathematics II	3(3-0-6)
01420112	General Physics II	3(3-0-6)
01420114	Laboratory in Physics II	1(0-3-2)
01355xxx	English	3(3-0-6)
	General Education: Wellness	<u>3(- -)</u>
Total		<u>20(- -)</u>

Year 2 Semester 1		Credits (Lecture – Lab – Self Study)
01205211	Electric Circuit Analysis I	3(3-0-6)
01205215	Computer Programming for Electrical Engineers	3(3-0-6)
01205241	Digital Circuits and Logic Design	3(3-0-6)
01208221	Engineering Mechanics I	3(3-0-6)
01417267	Engineering Mathematics III	3(3-0-6)
01355xxx	English	3(3-0-6)
	General Education: Language and Communication (Information/Computer)	<u>1(- -)</u>
	Total	<u>19(- -)</u>

Year 2 Semester 2		Credits (Lecture – Lab – Self Study)
01205213	Electronics and Electrical Engineering Laboratory	1(0-3-2)
01205214	Electrical Machines Laboratory and Electrical Practices	1(0-3-2)
01205216	Signals and Systems	3(3-0-6)
01205217	Electromagnetic Fields and Waves	3(3-0-6)
01205218	Electrical Measurements and Instruments	3(3-0-6)
01205242	Electronic Circuits and Systems I	3(3-0-6)
01205251	Electromechanical Energy Conversion I	3(3-0-6)
01205219	Applied Probability for Electrical Engineering	3(3-0-6)
	Total	<u>20(- -)</u>

Year 3 Semester 1		Credits (Lecture – Lab – Self Study)
01205311	Microprocessor	3(3-0-6)
01205312	Linear Control Systems	3(3-0-6)
01213211	Materials Science for Engineers	3(3-0-6)
01205321	Principles of Communications	3(3-0-6)
01205326	Data Communications and Networks I	3(3-0-6)
01205381	Communication Architecture and Devices Laboratory	1(0-3-2)
	Free Elective	<u>3(- -)</u>
	Total	<u>19(- -)</u>

Year 3 Semester 2		Credits (Lecture – Lab – Self Study)
01205324	Digital Communications	3(3-0-6)
01205325	Communication Network and Transmission Lines	3(3-0-6)
01205327	Mobile Communications	3(3-0-6)
01205323	Digital Signal Processing	3(3-0-6)
01205329	Antenna Engineering	3(3-0-6)
01205382	Communication Systems and Networks Laboratory	1(0-3-2)
	Free Elective	<u>3(- -)</u>
	Total	<u>19(- -)</u>

Year 4 Semester 1		Credits (Lecture – Lab – Self Study)
01205490	Co-operative Education	6
Total		<u>6(- -)</u>

Year 4 Semester 2		Credits (Lecture – Lab – Self Study)
01205xxx	EE Electives	3(3-0-6)
01205xxx	EE Electives	3(3-0-6)
01205xxx	EE Electives	3(3-0-6)
	General Education: Aesthetics	3(- -)
	General Education: Entrepreneurship	3(- -)
	General Education: Thai Citizen and Global Citizen	3(- -)
	General Education: Wellness	<u>2(- -)</u>
Total		<u>20(- -)</u>