

## Course Planning

### First Year, Semester 1

Code	Subject	Credit	
1500133	Thai for Communication	3(3-0-6)	
2000114	Thai Society Global Context	3(3-0-6)	
6601101	Mathematics for Industry	3(3-0-6)	
6601601	Structured Programming	3(2-2-5)	
6611603	Data Structure	3(2-2-5)	
6611701	Data Communication and Computer Network	3(3-0-6)	
6611702	Data Communication and Computer Network Laboratory	1(0-3-0)	
	<b>Total</b>	<b>19</b>	<b>Credits</b>

### First Year, Semester 2

Code	Subject	Credit	
2500115	Volunteer Mindedness for Local Development	3(3-0-6)	
4000124	Thinking and Decision Making	3(3-0-6)	
4011105	Introduction to Physics	3(2-2-5)	
6601501	Operating Systems	3(2-2-5)	
6611201	Electronics	3(3-0-6)	
6611202	Electronics Laboratory	1(0-3-0)	
XXXXXX	Specific subjects selected	3(x-x-x)	
	<b>Total</b>	<b>19</b>	<b>Credits</b>

### Second Year, Semester 1

Code	Subject	Credit	
1500135	English at Work	3(3-0-6)	
2000113	ASEAN Studies	3(3-0-6)	
4000125	Sport Science for Health	3(3-0-6)	
4021115	General Chemistry	3(2-2-5)	
6602101	English for Industrial Technology 1	3(3-0-6)	
6612201	Digital Circuits Design	3(3-0-6)	
6612202	Digital Circuits Design Laboratory	1(0-3-0)	
XXXXXX	Specific subjects selected	3(x-x-x)	
	<b>Total</b>	<b>22</b>	<b>Credits</b>

### Second Year, Semester 2

Code	Subject	Credit	
1500134	English for Communication	3(3-0-6)	
2500114	Ethics and Life Skills	3(3-0-6)	
XXXXXX	GE subjects selected	3(3-0-6)	
6602102	English for Industrial Technology 2	3(3-0-6)	
6612203	Microprocessor 1	3(3-0-6)	
6612204	Microprocessor Laboratory 1	1(0-3-0)	
6612501	Computer Architecture	3(2-2-5)	
XXXXXX	Specific subjects selected	3(x-x-x)	
	<b>Total</b>	<b>22</b>	<b>Credits</b>

### Third Year, Semester 1

Code	Subject	Credit	
4033107	Basic Biology	3(2-2-5)	
6613602	System Analysis and Design	3(3-0-6)	
6613604	Object-oriented Programming	3(2-2-5)	
6613701	Network Design and Administration	3(3-0-6)	
6613702	Network Design and Administration Laboratory	1(0-3-0)	
6613801	Computer Ethics and Laws	3(3-0-6)	
XXXXXX	Specific subjects selected	3(x-x-x)	
<b>Total</b>		<b>19</b>	<b>Credits</b>

### Third Year, Semester 2

Code	Subject	Credit	
6613501	Embedded System Application Development	3(2-2-5)	
6613601	Visual Computer Programming	3(2-2-5)	
6613603	Web Programming	3(2-2-5)	
6613901	Seminar on Industrial Computer Technology	1(0-2-1)	
XXXXXX	Specific subjects selected	3(x-x-x)	
6633801	Pre-practicum in Industrial Computer Technology	2(0-90-0)	
<b>Total</b>		<b>15</b>	<b>Credits</b>

**Or Cooperative Education**

6633803	Pre-cooperative Education	1(0-45-0)	
<b>Total</b>		<b>14</b>	<b>Credits</b>

### Summer

Code	Subject	Credit	
6633802	Professional Internship in Industrial Computer Technology	5(0-450-0)	
<b>Total</b>		<b>5</b>	<b>Credits</b>
Cooperative Education Selected			
6633804	Cooperative Education	6(0-540-0)	
<b>Total</b>		<b>6</b>	<b>Credits</b>

#### Fourth Year, Semester 1

Code	Subject	Credit	
6614601	Software Engineering	3(2-2-5)	
6614701	Cloud Computing	3(2-2-5)	
6614901	Industrial Computer Technology Project 1	2(0-4-2)	
XXXXXX	วิชาเลือกเสรี	3(x-x-x)	
	<b>Total</b>	<b>11</b>	<b>Credits</b>

#### Fourth Year, Semester 1

Code	Subject	Credit	
6614902	Industrial Computer Technology Project 2	2(0-4-2)	
XXXXXX	Free electives	3(x-x-x)	
XXXXXX	Specific subjects selected	3(x-x-x)	
	<b>Total</b>	<b>8</b>	<b>Credits</b>

<b>Summary Total Credits</b>	<b>140 Credits</b>
<b>A. General education</b>	<b>30 Credits</b>
<b>B. Specific courses</b>	<b>104 หน่วยกิต</b>
(1) Core subjects	24 Credits
(2) Specific subjects	55 Credits
(3) Specific subjects selected	18 Credits
(4) Basic, professional and professional subjects	7 Credits
<b>C. Free electives</b>	<b>6 Credits</b>