

Study Plans

Semester 1 of Year 1

Course Code, Course Name, Number of Credits (Theory – Practical – Self-Study)

200-111	Into Engineering World	2((2)-0-4)
200-112	Fundamental Mathematics for Engineer	3((3)-0-6)
200-113	Fundamental Physics for Engineer	3((3)-0-6)
200-114	Fundamental Chemistry for Engineer	2((2)-0-4)
200-115	Basic Electrical Engineering	3((2)-2-5)
200-116	Basic Engineering Programming	3((2)-2-5)
200-117	Basic Engineering Drawing	2((2)-0-4)
890-xxx	Gen Ed Area 6: Language and Communication	2((2)-0-4)
	Total	20(18-4-38)

Semester 2 of Year 1

Course Code, Course Name, Number of Credits (Theory – Practical – Self-Study)

001-103	Gen Ed Area 3: Idea to Entrepreneurship	1((1)-0-2)
240-121	Basic Hardware Laboratory	1(0-2-1)
240-122	Basic Software Laboratory	1(0-2-1)
240-123	Data Structure, Algorithm and Programming Module	6((3)-6-9)
240-124	Web Designer and Developer Module	9((6)-6-15)
890-xxx	Gen Ed Area 6: Language and Communication	2((2)-0-4)
	Total	20(12-16-32)

Important Note: Enrollment in English language courses is subject to the regulations and announcements issued by Prince of Songkla University.

Semester 1 of Year 2

Course Code, Course Name, Number of Credits (Theory – Practical – Self-Study)

001-102	Gen Ed Area 1: His Majesty the King's Philosophy	2((2)-0-4)
240-216	Exploring software development and database technologies	1(0-2-1)
240-218	Circuit and Basic Electronic	4((4)-0-8)
240-219	Network Administrator Module	9((6)-6-15)
950-102	Gen Ed Area 2: Citizenship and Peaceful Living	3((3)-0-6)
	Total	19(15-8-34)

Semester 2 of Year 2

Course Code, Course Name, Number of Credits (Theory – Practical – Self-Study)

200-107	Gen Ed Area 4: Digital Literacy and Awareness	2((2)-0-4)
240-001	Gen Ed Area 1: Benefit of Mankinds	1((1)-0-2)
240-213	Discrete Mathematics	2((2)-0-4)
240-226	Advance software development and database technologies	1(0-2-1)
240-228	Digital Logic and Microcontroller	3((3)-0-6)
240-229	Software Defined Architecture Engineer Module	9((6)-6-15)
xxx-xxx	Gen Ed Area 7: Aesthetics (Compulsory)	1(x-y-z)
	Total	19(x-y-z)

Semester 1 of Year 3, Internship and Project Study Plan

Course Code, Course Name, Number of Credits (Theory – Practical – Self-Study)

200-103	Gen Ed Area 4: Modern Life for Green Love	2((2)-0-4)
240-316	Experiencing Advance Technologies in Computer Engineering	1(0-2-1)
240-318	Artificial Intelligence and Machine Learning	3((3)-0-6)
240-319	Embedded System Developer Module	9((6)-6-15)
xxx-xxx	Area 5: Systematic Thinking (Compulsory)	2((2)-0-4)
	Total	17(13-8-30)

Semester 2 of Year 3, Internship and Project Study Plan

Course Code, Course Name, Number of Credits (Theory – Practical – Self-Study)

240-308	Computer Engineering Project Preparation	2(0-6-0)
240-327	Statistic for Data Analysis using R	2((2)-0-4)
240-328	Data Analytics and Data Science	2((2)-0-4)
240-3xx	Elective Professional Course	9((6)-6-15)
895-001	Gen Ed Area 2: Citizenship and Peaceful Living	2((2)-0-4)
xxx-xxx	Gen Ed Area 5: Logical and Numerical Reasoning (Compulsory)	2((2)-0-4)
	Total	19(14-12-31)

Semester 3 (Summer) of Year 3, Internship and Project Study Plan

Course Code, Course Name, Number of Credits (Theory – Practical – Self-Study)

240-300	Practical Training	No less than 320 hours
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Note: To register for the internship course, students must have successfully completed **at least 80%** of the required courses (course codes 240-xxx) in their curriculum. This includes all courses from Year 1, Year 2, and Semester 1 of Year 3, as outlined in the 5-regular-semester study plan.

Semester 1 of Year 4, Internship and Project Study Plan

Course Code, Course Name, Number of Credits (Theory – Practical – Self-Study)

240-3xx	Elective Professional Course	9((6)-6-15)
240-401	Computer Engineering Project I	3(0-9-0)
388-100	Gen Ed Area 1: Health for All	1((1)-0-2)
xxx-xxx	Gen Ed Area 7: Sports (Compulsory)	1(x-y-z)
xxx-xxx	Gen Ed Elective Course	2(x-y-z)
	Total	16(x-y-z)

Semester 2 of Year 4, Internship and Project Study Plan

Course Code, Course Name, Number of Credits (Theory – Practical – Self-Study)

240-402	Computer Engineering Project II	3(0-9-0)
xxx-xxx	Gen Ed Elective Course	2(x-y-z)
xxx-xxx	Gen Ed Elective Course	2(x-y-z)
xxx-xxx	Free Elective Course	3(x-y-z)
xxx-xxx	Free Elective Course	3(x-y-z)
	Total	13(x-y-z)

Semester 1 of Year 3, Cooperative Education Study Plan

Course Code, Course Name, Number of Credits (Theory – Practical – Self-Study)

200-103	Gen Ed Area 4: Modern Life for Green Love	2((2)-0-4)
240-316	Experiencing Advance Technologies in Computer Engineering	1(0-2-1)
240-318	Artificial Intelligence and Machine Learning	3((3)-0-6)
240-319	Embedded System Developer Module	9((6)-6-15)
xxx-xxx	Area 5: Systematic Thinking (Compulsory)	2((2)-0-4)
xxx-xxx	Gen Ed Elective Course	2(x-y-z)
	Total	19(x-y-z)

Semester 2 of Year 3, Cooperative Education Study Plan

Course Code, Course Name, Number of Credits (Theory – Practical – Self-Study)

240-327	Statistic for Data Analysis using R	2((2)-0-4)
240-328	Data Analytics and Data Science	2((2)-0-4)
240-3xx	Elective Professional Course	9((6)-6-15)
895-001	Gen Ed Area 2: Citizenship and Peaceful Living	2((2)-0-4)
xxx-xxx	Gen Ed Area 5: Logical and Numerical Reasoning (Compulsory)	2((2)-0-4)
xxx-xxx	Gen Ed Elective Course	2(x-y-z)
	Total	19(x-y-z)

Semester 3 (Summer) of Year 3, Cooperative Education Study Plan

Course Code, Course Name, Number of Credits (Theory – Practical – Self-Study)

xxx-xxx	Free Elective Course	3(x-y-z)
	Total	3(x-y-z)

Semester 1 of Year 4, Cooperative Education Study Plan

Course Code, Course Name, Number of Credits (Theory – Practical – Self-Study)

240-3xx	Elective Professional Course	9((6)-6-15)
240-403	Pre-Cooperative Education	1(1-0-2)
388-100	Gen Ed Area 1: Health for All	1((1)-0-2)
xxx-xxx	Gen Ed Area 7: Sports (Compulsory)	1(x-y-z)
xxx-xxx	Gen Ed Elective Course	2(x-y-z)
xxx-xxx	Free Elective Course	3(x-y-z)
	Total	17(x-y-z)

Semester 1 of Year 4, Cooperative Education Study Plan

Course Code, Course Name, Number of Credits (Theory – Practical – Self-Study)

240-440	Cooperative Education	7(0-35-0)
	Total	7(0-35-0)

Note: To register for the Cooperative Education course, students must have successfully completed 80% of the compulsory major courses (specifically those with a 240-xxx course code). This includes all such courses from the first five regular semesters of the study plan (i.e., courses in Year 1, Year 2, and the first semester of Year 3).