

Study Plan

B.Eng. Program in Aerospace Engineering(with Co-operative Education)

for the Year 2022–2026 (Code 65–69)

Year 1 Semester 1			Year 3 Semester 1		
		Crs			Crs
01204111	Computers and Programming	3	01208381	Mechanical Engineering Laboratory I	1
01417167	Engineering Mathematics I	3	01215312	Mechanics of Machineries for Aerospace Eng.	3
01420111	General Physics I	3	01215322	Aircraft Structures II	3
01420113	Laboratory in Physics I	1	01215323	Aircraft Vibration	3
01999111	Knowledge of the land	2	01215331	Heat Transfer in Aerospace Engineering	3
	Foreign Language	3	01215341	Fundamentals of Aerodynamics	3
	Thai Language	3	01215351	Aircraft Conceptual Design	3
	Entrepreneurship	3			<u>19</u>
		<u>21</u>			

Year 1 Semester 2			Year 3 Semester 2		
		Crs			Crs
01205201	Introduction to Electrical Engineering	3	01215311	Aerospace Engineering Laboratory I	1
01208112	Mechanical Engineering Drawing	3	01215353	Manufacturing Processes for Aircraft Materials	3
01215111	Introduction to Aircraft Technology	3	01215362	Aircraft Stability and Control	3
01403114	Laboratory in Fundamentals of General Chemistry	1	01215381	Space Flight	3
01403117	Fundamentals of General Chemistry	3	01215452	Mechanical Design for Aircraft	3
01417168	Engineering Mathematics II	3	01215461	Automatic Flight Control I	3
01175xxx	Physical Education Activities	1	01215464	Aircraft Air Conditioning and Pressurization Sys	3
	Foreign Language	3	01215495	Aerospace Engineering Project Preparation	1
	Information/Computer	1			<u>20</u>
		<u>21</u>			

Year 2 Semester 1			Year 4 Semester 1		
		Crs			Crs
01205202	Electrical Engineering Laboratory I	1			
01208221	Engineering Mechanics I	3	01215490	Co-operative Education	6
01213201	Materials and Manufacturing Processes	3			<u>6</u>
01215212	Applied Mathematics in Aerospace Engineering	3			
01215231	Aerothermodynamics	3			
01215261	Aircraft Aerodynamics and Performance	3			
	Foreign Language	3			
		<u>19</u>			

Year 2 Semester 2			Year 4 Semester 2		
		Crs			Crs
01208281	Workshop Practice	1	01215499	Aerospace Engineering Project	2
01215214	Dynamics in Aerospace Engineering	3		Engineering Electives	3
01215215	Introduction to Unmanned Aircraft System	3		Free Electives	6
01215216	Introduction to Data Analysis in Aerospace Eng.	1		Thai Citizen and Global Citizen	3
01215221	Aircraft Structures I	3		Entrepreneurship	3
01215232	Aerothermodynamics of Aircraft Engines	3		Aesthetics	3
01215241	Fundamentals of Fluid Dynamics	3			<u>20</u>
	Wellness	2			
		<u>19</u>			

Total Credits **145**