

Bachelor of Science Program in Aviation Technology Management

Program Structure

Total Number of Credits Required for Graduation is at least 140 CREDITS

1. General Education	at least	30	credits	
– Wellness		at least	3	Credits
– Entrepreneurship		at least	6	Credits
– Language and Communication			13	Credits
– Thai Citizen and Global Citizen		at least	5	Credits
– Aesthetics		at least	3	Credits
2. Specific Courses	at least	104	Credits	
– Required Courses		at least	86	Credits
– Technical Electives		at least	61	Credits
3. Free Electives	at least	6	Credits	

Course List

1. General Education	at least	30	credits	
1.1 Wellness	at least	6	Credits	
01175xxx Physical Education Activities				1(0-2-1)
and choose at least 2credits from this category.				
1.2 Entrepreneurship	at least	6	Credits	
Choose at least 6 credits from this category.				
1.3 Language and Communication		13	Credits	
01999021 Thai language for Communication				3(3-0-6)
01355xxx English				9
Information/Computer				1
1.4 Thai Citizen and Global Citizen	at least	5	Credits	
01999111 Knowledge of the Land				2(2-0-4)
and choose at least 3 credits from this category.				
1.5 Aesthetics	at least	3	Credits	
Choose at least 3 credits from this category.				
2. Specific Courses	at least	104	Credits	
2.1 Required Courses		86	Credits	
01225111 Basic Mathematic in Aviation				3(3-0-6)
01225121 Aviation Organization Management				3(3-0-6)
01225141 Basic Science in Aviation				3(3-0-6)
01225142 Basic Flight Mechanics and Aerodynamics				3(3-0-6)
01225161 Principles of Air Transport				3(3-0-6)
01225162 Aviation Law and Regulations				3(3-0-6)
01225212 Statistical Analysis in Aviation				3(2-3-6)
01225213 Quantitative Analysis in Aviation				3(3-0-6)
01225231 Aviation Economics				3(3-0-6)
01225232 Aviation Marketing				3(3-0-6)
01225243 Aircraft Flight Performance				3(3-0-6)
01225244 Aviation Meteorology				2(2-0-4)

01225246	Air Traffic Management	3(3-0-6)
01225247	Air Navigation and Communication	2(2-0-4)
01225251	Aviation Professional Development	3(3-0-6)
01225252	Human Factors in Aviation	3(3-0-6)
01225281	Aircraft General Knowledge	3(3-0-6)
01225311	Information Technology for Aviation Management	3(3-0-6)
01225321	Aviation Operations Management	3(3-0-6)
01225322	Aviation Management and Strategy	3(3-0-6)
01225331	Aviation Business Accounting and Finance	3(3-0-6)
01225341	Flight Operations and Planning	3(3-0-6)
01225353	Aviation Safety	3(3-0-6)
01225354	Aviation Quality System	3(3-0-6)
01225361	Aviation Logistics and Supply Chain Management	3(3-0-6)
01225371	Airline Operations and Management	3(3-0-6)
01225372	Airport Operations and Management	3(3-0-6)
01225381	Aviation Maintenance Management	3(3-0-6)
01225391	Basic Research Methods in Aviation Technology Management	1(0-2-1)
01225499	Aviation Technology Management Project	3(0-9-5)

2.2 Technical Electives

61 Credits

Choose at least 12 credits from one category and choose at least 6 credits from any category.

Air Transportation

01225363	Aviation Ground Service Operations	3(3-0-6)
01225373	Airport Safety and Security	3(3-0-6)
01225463	Business Intelligence for Aviation Management	3(3-0-6)
01225471	Airline Fleet Planning	3(3-0-6)
01225472	Airline Revenue Management	3(3-0-6)
01225473	Airport Planning and Development	3(3-0-6)
01225474	Airport Systems and Design	3(3-0-6)

Aircraft Maintenance and Production

01225382	Quality and Reliability Control in Aircraft Maintenance and Production	3(3-0-6)
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01225383 Basic Aircraft Maintenance	3(3-0-6)
01225481 Aircraft Structures	3(3-0-6)
01225482 Aircraft Propulsive Systems	3(3-0-6)
01225483 Aircraft instrument and Avionics Systems	3(3-0-6)
01225484 Aircraft Systems	3(3-0-6)
01225485 Basic Practices in Aircraft Technology and Maintenance	1(0-2-1)
01225486 Practices in Aircraft Systems and Avionics	1(0-3-2)

Other Electives

01225490 Co-operative Education	6
01225496 Selected Topics in Aviation Technology Management	1-3
01225497 Seminar	1
01225498 Special Problems	13-

3. Free Electives **at least** **6** **Credits**

4. Internship **at least** **240** **Hours**

(Except for students participating in Co-operative Education)