

Bachelor of Science Program in Aviation Technology Management

Program Structure

Total Number of Credits Required for Graduation is at least 137 CREDITS

1. General Education	at least	30	credit	S	
- Wellness		at lea	st	3	Credits
- Entrepreneurship		at lea	st	6	Credits
- Language and Communicatio	n			13	Credits
- Thai Citizen and Global Citize	en	at lea	st	5	Credits
- Aesthetics		at lea	st	3	Credits
2. Specific Courses	at least	101	Credit	s	
- Required Courses		at lea	st	86	Credits
- Technical Electives		at lea	st	15	Credits
3. Free Electives	at least	6	Credit	:s	

Course List

1. General Education		at least	30	credit	S	
1.1	Wellness	at lea	ast	6	Credit	S
	01175xxx Physical Education Activiti	ies			1(0-2-2	L)
	and choose at least 2 credits from t	his category.				
1.2	Entrepreneurship	at lea	ast	6	Credit	S
	Choose at least 6 credits from this c	ategory.				
1.3	Language and Communication			13	Credit	S
	English				9	Credits
	Thai language for Communication				3	Credits
	Information/Computer				1	Credit
1.4	Thai Citizen and Global Citizen	at lea	ast	5	Credit	S
	01999111 Knowledge of the Land				2(2-0-4	1)
	and choose at least 3 credits from t	his category.				
1.5	Aesthetics	at lea	ast	3	Credit	S
	Choose at least 3 credits from this c	ategory.				

2. Spe	cific Course	es	at least	101	Credit	5
2.1	Required	Courses			86	Credits
	01225111	Basic Mathematic in Avia	tion			3(3-0-6)
	01225121	Aviation Organization Ma	nagement			3(3-0-6)
	01225141	Basic Science in Aviation				3(3-0-6)
	01225142	Aerodynamics and Flight	Performance			3(3-0-6)
	01225151	Aviation Terminology				3(3-0-6)
	01225161	Principles of Aviation Sys	tem			3(3-0-6)
	01225162	Aviation Law and Regulat	tion			3(3-0-6)
	01225212	Statistical Analysis in Avia	ation			3(2-3-6)
	01225213	Quantitative Analysis in A	viation			3(3-0-6)
	01225231	Aviation Economics				3(3-0-6)
	01225232	Aviation Marketing				3(3-0-6)
	01225244	Aviation Meteorology				2(2-0-4)
	01225246	Air Traffic Management				3(3-0-6)
	01225247	Air Navigation and Comm	nunication			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)	
01225312	Data Analysis and Visualization for Aviation Managemen	t 3	3(3-0-6)
01225314	Aviation Integrative Learning	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	1(0-2-1)	
	Management		
01225499	Aviation Technology Management Project		3(0-9-5)

2.2 Technical Electives	at least	15	Credits	

Choose at least 15 credits and must choose 1 subject in between "01225490 Cooperative Education" or "0125499 Aviation Technology Management Project".

01225373	Airport Safety and Security	3(3-0-6)
01225374	Aviation Ground Service Operations	3(3-0-6)
01225382	Quality and Reliability Control in Aircraft Maintenance	3(3-0-6)
	and Production	
01225383	Basic Aircraft Maintenance	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)
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)
01225490	Co-operative Education	6
01225496	Selected Topics in Aviation Technology Management	1-3
01225497	Seminar	1
01225498	Special Problems	1-3
01225499	Aviation Technology Management Project	3(0-9-5)

3. Free Electives	at least	6	Credits
4. Internship	at least	240	Hours

(Except for students participating in Co-operative Education)