

قسم هندسة تقنيات الطيران AERONAUTICAL TECHNICAL ENGINEERING DEPARTMENT

على طلبة القسم معرفة الاختصاصات والمواد الهندسية وغير الهندسية التي سوف يدرسها خلال فترة الدراسة والبالغة أربع سنوات للحصول على شهادة البكالوريوس

في هندسة تقنيات الطيران

على الطالب ملاحظة ماهية الترميز وهي كالآتي:

Classification according to Specialization

Aeronautical Technical
Engineering

ANTEXYZ

↑
Stage

↑
Specialization

تصنيف وترميز مواد قسم هندسة تقنيات الطيران

حسب برنامج الاعتماد الأكاديمي الأمريكي

للهندسة والتكنولوجيا ABET

Field	Symbol	Subject
Mechanical /Applied	ANTE 111	Material Properties
	ANTE 112	Mechanics I-Static
	ANTE 213	Mechanics II-Dynamics
	ANTE 214	Strength of Materials
	ANTE 215	Manufacturing Processing
	ANTE 316	Mechanical Eng. Design
	ANTE 317	Theory of Machines
	ANTE 418	Automatic Control
Mechanical /Power	ANTE 121	Thermodynamics I
	ANTE 222	Thermodynamics II
	ANTE 223	Fluid Mechanics
	ANTE 324	Aerodynamics
	ANTE 325	Heat Transfer
Aeronautical Technology	ANTE 326	Gas Dynamic
	ANTE 231	Theory of Flight
	ANTE 332	Aircraft Electricity and Instruments
	ANTE 333	Aircraft Engines
	ANTE 434	Aircraft Structure
	ANTE 435	Aircraft Engines and Jet Propulsion
	ANTE 436	Aircraft Design
	ANTE 437	Aircraft Vibration
	ANTE 438	Aircraft Stability and control
ANTE 439	Aircraft Systems and Maintenance	
College Requirements	CREQ 141	Electrical Engineering
	CREQ 142	Engineering Drawing & Descriptive G.
	CREQ 143	Programming I
	CREQ 144	Workshop – 30 weeks
	CREQ 245	Programming II
	CREQ 346	Mechanical Drawing
	CREQ 347	Engineering and Numerical Analysis
	CREQ 348	Industrial Engineering
	CREQ 449	Computer Aided Engineering
	CREQ 4410	Final Project
Mathematical Science	MATH 151	Mathematics I
	MATH 252	Mathematics II
University Requirement	UREQ 161	Human rights& democracy

Aeronautical Technical Engineering –Najaf Technical Engineering College (ANTE-NTEC)

First year stage

Second year stage

kind of subject	Symbols	Subject	No. of weekly hours			Units	No. of page
			Theo.	Exp.	Tut.		
Auxiliary	CREQ 141	Electrical Engineering	2	1	1	5	1
Auxiliary	CREQ 142	Eng. Drawing & Descriptive	1	3		4	4
Generally	UREQ 161	Human Right & Democracy	2			4	8
Auxiliary	MATH 151	Mathematics I	3			6	11
Specialist	ANTE112	Mechanics I	3		1	6	14
Specialist	ANTE111	Properties of Materials	2		1	4	15
Specialist	ANTE121	Thermodynamic I	2	2		6	18
Auxiliary	CREQ 143	Programming I	1	2		4	21
Auxiliary	CREQ 144	Work shop		6		4	23
Total of hours and units			16	14	3	43	
			33				

kind of subject	Symbols	Subject	No. of weekly hours			Units	No. of page
			Theo.	Exp.	Tut.		
Specialist	ANTE 223	Fluid Mechanics	2	2		6	24
Specialist	ANTE 215	Manufacturing Processes	2	1	1	5	26
Auxiliary	MATH 252	Mathematics II	3			6	29
Auxiliary	CREQ 246	Mechanical Drawing	1	3		4	32
Specialist	ANTE 213	Mechanics II	3		1	6	34
Specialist	ANTE 214	Strength of Material	2	2	1	6	36
Specialist	ANTE 231	Theory of flight	2		1	4	38
Specialist	ANTE 222	Thermodynamic II	2	2		6	41
Auxiliary	CREQ 245	Programming II	1	2		4	44
Total of hours and units			18	12	4	47	
			34				

Ratio of Specialist hours =33.33%	Ratio of Theoretical hours = 48.5%
Ratio of Auxiliary hours =60.67%	Ratio of Experimental hours=42.5%
Ratio of Generally hours=6%	Ratio of Tutorial hours =9 %

Ratio of Specialist hours =70.5%	Ratio of Theoretical hours = 53%
Ratio of Auxiliary hours =29.5%	Ratio of Experimental hours=35.5%
	Ratio of Tutorial hours = 11.5%

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Third year stage

Fourth year stage

kind of subject	Symbols	Subject	No. of weekly hours			Units	No. of page
			Theo.	Exp.	Tut.		
Specialist	ANTE 324	Aerodynamics	2	2		6	46
Specialist	ANTE 332	Aircraft Elec. and instrument	2	2		6	48
Specialist	ANTE 316	Mech. Eng. Design I	2	3		6	51
Auxiliary	CREQ 347	Eng. & Num. Analysis	2		1	4	53
Specialist	ANTE 325	Heat Transfer	2	2		6	56
Auxiliary	CREQ 348	Industrial Engineering	2			4	59
specialist	ANTE 317	Theory of Machines	2	2		6	62
specialist	ANTE 333	Aircraft Engines	2	2		6	64
specialist	ANTE 326	Gas dynamic	2	1	1	5	66
Total of hours and units			18	14	2	49	
			34				

kind of subject	Symbols	Subject	No. of weekly hours			Units	No. of page
			Theo.	Exp.	Tut.		
Specialist	ANTE 436	Aircraft Design	3	1		7	69
Specialist	ANTE 435	Aircraft Engines & Jet Propulsion	2	1	1	5	72
Specialist	ANTE 438	Aircraft Stability & Control	2	1	1	5	74
Specialist	ANTE 434	Aircraft Structures	2	1	1	5	77
Specialist	ANTE 439	Aircraft Sys. & Maintenance	2	2		6	80
Auxiliary	CREQ 449	Computer Aided Engineering		3		2	83
Specialist	ANTE 418	Automatic Control	2	1	1	5	85
Specialist	ANTE 437	Aircraft Vibration	2	2		6	88
Auxiliary	CREQ 4410	Final project		4		3	
Total of hours and units			15	16	4	44	
			35				

Ratio of Specialist hours =85%	Ratio of Theoretical hours = 53%
Ratio of Auxiliary hours =15%	Ratio of Experimental hours=41%
	Ratio of Tutorial hours = 6%

Ratio of Specialist hours =80%	Ratio of Theoretical hours = 43%
Ratio of Auxiliary hours =20%	Ratio of Experimental hours=46%
	Ratio of Tutorial hours = 11%