



**MOSCOW AVIATION INSTITUTE - VIETNAM  
NATIONAL UNIVERSITY-UNIVERSITY OF  
ENGINEERING AND TECHNOLOGY**



№	Discipline	Credits	Resources
<b>Semester 1</b>			
<b>Compulsory Subjects</b>			
1	Introduction to Information Technology	3	VNU-UET
2	Introduction to Aerospace Engineering	3	VNU-UET
3	General Physics 1	2	VNU-UET
4	Analytics 1	4	VNU-UET
5	Algebra	4	VNU-UET
6	Marxist – Leninist Philosophy	3	VNU-UET
7	English 1	3	VNU-UET
8	Physical education	1	VNU-UET
9	Chemistry	3	VNU-UET
10	Geometric Engineering and CAD 1	4	VNU-UET
<b>Credits per semester</b>		<b>30</b>	
<b>Semester 2</b>			
<b>Compulsory Subjects</b>			
1	Marx-Lenin Political Economy	2	VNU-UET
2	Ho Chi Minh Ideology	2	VNU-UET
3	Introduction to Programming	3	VNU-UET
4	Analytics 2	4	VNU-UET
5	General Physics 2	2	VNU-UET
6	English 2	2	VNU-UET
7	Physical education	1	VNU-UET
8	Signals and Systems	3	VNU-UET
9	Theoretical mechanics	3	VNU-UET
<b>Credits per semester</b>		<b>23</b>	
<b>Semester 3</b>			
<b>Compulsory Subjects</b>			
1	Engineering Mechanics for Aerospace Eng	3	VNU-UET
2	Scientific Socialism	2	VNU-UET
3	Physical Education	1	VNU-UET
4	Ordinary and Partial Differential Equations	3	VNU-UET
5	English 3	3	VNU-UET
6	General materials	3	VNU-UET
7	Machine mechanisms	3	VNU-UET
8	Probability and Statistics	3	VNU-UET
9	Solid mechanics	3	VNU-UET
10	Russian Conversation for Beginners	3	VNU-UET

11	Fluid mechanics	3	VNU-UET
	<b>Credits per semester</b>	<b>30</b>	
<b>Semester 4</b>			
<b>Compulsory Subjects</b>			
1	History of Vietnam Communist Party	2	VNU-UET
2	Strength of Materials	3	VNU-UET
3	Technology of Structure Materials	3	VNU-UET
4	Thermodynamic Engineering	3	VNU-UET
5	Physical Education	1	VNU-UET
6	System Dynamic & Vibration	3	VNU-UET
7	Aerodynamics 1	4	VNU-UET
8	Applied Ecology	2	VNU-UET
9	Measurement Science, Standardization and Certification	3	VNU-UET
	<b>Credits per semester</b>	<b>24</b>	
<b>Semester 5</b>			
<b>Compulsory Subjects</b>			
1	Physical Training	2	MAI
2	Foreign Language	2	MAI
3	Economics	3	MAI
4	Informational Support of Product Life Cycle	3	MAI
5.1	Aerodynamics 2	4	MAI
5.2	Aerohydrodynamics	4	MAI
6.1	Structural Mechanics and Aircraft Durability	5	MAI
6.2	Structural Mechanics & Aerostructure and Systems Durability	5	MAI
7.1	Numeral Methods	4	MAI
7.2	Numeral Mathematics	4	MAI
8	Mathematical Model Methods	3	MAI
9	Machine Elements & Principles of Design	4	MAI
	<b>Credits per semester</b>	<b>30</b>	
<b>Semester 6</b>			
<b>Compulsory Subjects</b>			
1	Physical Training	2	MAI
2	Foreign Language	2	MAI
3	Informational Support of Product Life Cycle	3	MAI
4	Dynamics & Flightpath Control Laboratory Workshop	2	MAI
5.1	Flight Dynamics	3	MAI
5.2	Airplane Performance Computation	3	MAI
6	Health & Wellness Fundamentals	2	MAI
7	Industrial Economics & Organization	3	MAI
8	Aircraft Manufacturing Technology	2	MAI
9	Details & Modules Construction	3	MAI
10	Aircraft Construction	4	MAI
11	Engineering and Manufacturing Practice II	6	MAI

	<b>Credits per semester</b>	<b>32</b>	
<b>Semester7</b>			
<b>Compulsory Subjects</b>			
1	Management Fundamental	2	MAI
2	Social Science	2	MAI
3.1	Engineering Task Simulation	2	MAI
3.2	Engineering Problem Solution with the Electronic Computing Machine	2	MAI
4	Electrical Engineering & Electronics	3	MAI
5	Aircraft Manufacturing Technology	4	MAI
6	Details & Modules Construction	1	MAI
7	Aviation Equipment Certification	3	MAI
8	Glider Units Design (Airframe Design)	5	MAI
9.1	Mechanical Equipment Systems	4	MAI
9.2	Life-Support & Safety Systems for Crew Members of Aircraft	4	MAI
10.1	Flight Instrumental Equipment Systems	3	MAI
10.2	Flight Instrumental Complexes	3	MAI
11.1	Aircraft Propulsion Unit	2	MAI
11.2	Aircraft Propulsion Unit Formation	2	MAI
	<b>Credits per semester</b>	<b>31</b>	
<b>Semester8</b>			
<b>Compulsory Subjects</b>			
1	Glider Units Design (Airframe Design)	1	MAI
2	Landing Gear & Power Plant Unit Design	4	MAI
3	Quality Control Management	2	MAI
4.1	Aircraft Design	4	MAI
4.2	Theoretical Basis of Flight Vehicle Design	4	MAI
5.1	Maintainability & Reliability	3	MAI
5.2	Aircraft Performance Rating Characteristics	3	MAI
6	Pre-Graduation Practice	6	MAI
7	Final State Attestation	9	MAI
	<b>Credits per semester</b>	<b>29</b>	