MOSCOW AVIATION INSTITUTE
(NATIONAL RESEARCH UNIVERSITY)

PROPULSION ENGINEERING

Field of training	24.03.05 Propulsion Engineering	**Department**	204
Program	Aircraft propulsion systems	**Form of attendance**	intramural

*The courses are listed starting form the second year of studies To find the necessary course please refer to the table:
** the courses with non-integral numbers (e.g. 22.1, 22.2) are similar and only one of them is taught. The availability of the course is determined on a year-to-year basis

YEAR	SEMESTERS
1	1 2
2	3 4
3	5 6
4	7 8

№	Course title	Department	Semester	Total number of credits
1	Philosophy	517	3	2
2	Foreign Languages	ДП1	3	2
3	Physical Education	519	3	0,5
4	Differential Equations	802	3	3
5	Theory of Probability and Mathematical Statistics	804	3	3
6	Theoretical Mechanics	802	3	3
7	Physics	801	3	3
8	Theory of Mechanisms and Machines	ТПЛА	3	3
9	Strength of Materials	902	3	3
10	Materials Science	903	3	3

№	Course title	Department	Semester	Total number of credits
1	Philosophy	517	4	2
2	Foreign Languages	ДП1	4	2
3	Physical Education	519	4	0,5
4	Equations of Mathematical Physics	802	4	3
5	Applied Ecology	610	4	2
6	Thermodynamics	204	4	3
7	Strength of Materials	902	4	3
8	Metrology, Standardization, and Certification	207	4	3
9	Technology of Construction Materials	903	4	4
10	Fluid Dynamics	201	4	3
11	Industrial and Technological Practice I	205	4	6
1	Foreign Languages	ДП1	5	2
2	Economics	507	5	3
3	Physical Education	519	5	0,5
4	Numerical Methods	806	5	4
5	Heat Transfer	204	5	3
6	Methods of Mathematical Modeling	204	5	3
7	Machine Parts and Design Basics	906	5	3
8	Fluid Mechanics	201	5	3
9	Theory and Calculation of V-belt Blades	201	5	3

№	Course title	Department	Semester	Total number of credits
1	Foreign Languages	ДП1	6	2
2	Physical Education	519	6	0,5
3	Health and Safety	614	6	2
4	Economics and Organization of Industry	509	6	3
5	Dynamics and Strength of Aircraft Power Plants	203	6	3
6	Schematics and Layout of Power Plants	203	6	3
7	Processing Methods, Machinery, and Tools	205	6	3
8	Automation and Regulation of Aircraft Power Plants	201	6	3
9	Theory and Calculation of V-belt Blades	201	6	3
10	Industrial and Technological Practice II	205	6	6
1	Fundamentals of Management	501	7	2
2	Sociology	514	7	2
3	Electrical Technology and Electronics	301	7	3
4	Computer Design of Aircraft Power Plant Units and Parts	203	7	3
5	Testing of Aircraft Power Plants	201	7	3
6	Ecology of Aircraft Power Plants	201	7	3
7	System Design of Aircraft Power Plants	201	7	3
8	Means of Production Mechanization and Automation	205	7	3
9	Theory and Calculation of Aircraft Power Plants	201	7	3
10	Design and Construction of Airbreathing Jet Engine Elements and Components	203	7	3

№	Course title	Department	Semester	Total number of credits
2	Construction of Aircraft	101	8	3
3	Design and Construction of Aircraft Power Plants	203	8	3
4	Power Plant Systems and Units	203	8	5
5	Undergraduate Practice	201	8	6