

STUDY PLAN FOR STUDENTS FROM ITMO UNIVERSITY WHO APPLY TO GO TO TALTECH

FIRST YEAR

Semester	Course title	Number of credits	Evaluation	University
1	University-wide discipline of a world outlook module (Creative Technologies; Project Management Methodology; Thinking)	4	Exam	ITMO
	Elective discipline Soft Skills (Negotiations, conflict management and techniques of influence; Emotional intelligence; Business and scientific ethics, organization of scientific research; Personal effectiveness and time management; Internationalization of scientific research; Effective team management)	4	Exam	
	Foreign language in professional activities	2	Test	
	Data processing and analysis	3	Exam	
	CAD systems	3	Test	
	Dynamics of robotic systems	3	Exam	
	Research work	11	Test with grade	
	SUM:	30		
2	Foreign language in professional activities	2	Test	ITMO
	Applied Artificial Intelligence	3	Exam	
	Cyber-physical systems and technologies	3	Test	
	Modeling and control of robotic systems	3	Test	
	Design of biomechatronic systems	3	Test	
	Robot Sensing Systems	3	Test	
	Modeling and control in mechatronic systems	3	Test	
	CAD systems	3	Exam	
	Research work	7	Test with grade	
SUM:	30			
SUM of 2 semester:		60		

SECOND YEAR

Semester	Course title	Number of credits	Evaluation	University
3	EEM0110 Mechatronics Master Seminar	6	Exam	TalTech ITMO
	IAS0051 Applied Data Communication	6	Exam	
	EEM0040 Machine Vision and control	6	Exam	
	IAS0023 Intelligent Control Systems	6	Exam	
	EMT8130 Advanced Manufacturing Planning and Control Systems	6	Exam	
	IEE1630 Networks of Smart Things	6	Exam	
	Engineering practice	6	Test with grade	
SUM:	36			
4	Engineering practice	15	Test with grade	ITMO TalTech
	Undergraduate practice	9	Test with grade	
	Defense of master's thesis	6	Thesis defense	
SUM:	30			
SUM of 2 semester:		66		