



CURRICULUM
of Educational Program on enrollment for 2023-2024 academic year

Educational program 6B04104 - "Startup Bachelor's degree"
Group of educational programs B044 - "Management and governance"

Form of study: full-time			Duration of study: 4 years				Academic degree: Bachelor of Engineering and Technology								
Discipline code	Name of disciplines	Cycle	Total amount in credits	Total hours	Classroom amount lec/lab/pr	SIS (including TSSIS) in hours	Form of control	Allocation of face-to-face training based on courses and semesters							
								I course		II course		III course		IV course	
								1 semester	2 semester	3 semester	4 semester	5 semester	6 semester	7 semester	8 semester
CYCLE OF GENERAL EDUCATION DISCIPLINES (GED)															
M-1. Module of language training															
LNG108	English language	GED, RC	10	300	0/0/6	210	Э	5	5						
LNG104	Kazakh (Russian) language	GED, RC	10	300	0/0/6	210	Э	5	5						
M-2. Module of physical training															
KFK101-104	Physical Culture	GED, RC	8	240	0/0/8	120	Diffcredit	2	2	2	2				
M-3. Module of information technology															
CSE 677	Information and communication technologies (in English)	GED, RC	5	150	2/1/0	105	Э			5					
M-4. Module of socio-cultural development															
HUM137	Modern History of Kazakhstan	GED, RC	5	150	1/0/2	105	Э		5						
HUM132	Philosophy	GED, RC	5	150	1/0/2	105	Э				5				
HUM120	Socio-political knowledge module (sociology, politology)	GED, RC	3	90	1/0/1	60	Э			3					
HUM134	Socio-political knowledge module (culturology, psychology)		5	150	2/0/1	150	Э			5					
M-5. Module of anti-corruption culture, ecology and life safety base															
HUM136	Fundamentals of Anti-Corruption Culture and Law	GED, RC	5	150	2/0/1	150	Э								5
MNG489	Fundamentals of Economics and Entrepreneurship														
LOG524	Fundamentals of scientific research methods														
HYD438	Ecology and life safety														
CYCLE OF BASIC DISCIPLINES (BD)															
M-6. Mathematical training module															
NSE450	Mathematics for Economists	BD, UC	5	150	2/0/1	105	Э	5							
NSE188	business statistics	BD, UC	5	150	2/0/1	105	Э		5						
M-7. Basic Entrepreneurial Training Module															
MNG539	Introduction to the specialty	BD, UC	5	150	2/0/1	105	Э	5							
GEN 429	Engineering and computer graphics	BD, UC	5	150	1/0/2	105	Э			5					
NSE191	The psychology of entrepreneurship	BD, UC	5	150	2/0/1	105	Э				5				
NSE193	Business management	BD, UC	5	150	2/0/1	105	Э	5							
NSE130	Microeconomics	BD, UC	5	150	2/0/1	105	Э	5							
NSE139	Macroeconomics	BD, UC	5	150	2/0/1	105	Э		5						
MNG500	Business engineering 1	BD, UC	5	150	2/0/1	105	Э					5			
ELC474	Theories for inventive problem solving	BD, UC	6	180	2/0/2	120	Э			6					
NSE427	Analysis of the competitive environment	BD, UC	5	150	2/0/1	105	Э				5				
NSE192	Accounting and audit	BD, UC	5	150	2/0/1	105	Э				5				
NSE138	Communication skills	BD, UC	5	150	2/0/1	105	Э				5				
MNG530	Fundamentals of agile technologies	BD, UC	5	150	2/0/1	105	Э						5		
MNG533	Theory and practice of project management	BD, UC	5	150	2/0/1	105	Э					5			
NSE194	Finance and investment	BD, UC	5	150	2/0/1	105	Э					5			
CSE624	Introduction to the specialty - Computer Science	BD, UC	5	150	1/1/1	105	Э								
ELC505	Introduction to Electronic Science and Engineering Technology														
MNG521	Business engineering 2														
ROB410	Fundamentals of electromechanics and electronics														
CSE155	Algorithmization and basics of programming														
ELC541	Theoretical foundations of electrical engineering														
ROB100	Biomedical electronics														
CSE528	Introduction to ERP systems														
ELC569	General communication theory														
ROB419	Nodes and elements of biotechnical systems														
AAP167	Educational practice	BD, UC	1							1					
CYCLE OF PROFILING DISCIPLINES (PD)															
M-8. Professional Entrepreneurship Module															
CSE521	Multimedia technologies in telecommunication systems	PD, UC	5	150	2/0/1	105	Э							5	
NSE195	Business Law	PD, UC	5	150	2/0/1	105	Э								5
NSE196	Marketing	PD, UC	5	150	2/0/1	105	Э							5	
CSE519	Fintech technologies	PD, UC	5	150	1/1/1	105	Э								
ELC521	Electronic Design														
ELC435	Design of electrical devices														
ROB138	Touch electronics and sensors														
CSE636	Mobile Application Development														

