

**Information about the material and technical support of the educational process, including the availability of computers, laboratory equipment, technical training tools, software and information systems of the Department of Mechanical Engineering**

No. p / p	Actual address of buildings (academic buildings) with total and usable area (square meter)	Classrooms, subject rooms equipped with technical training tools	Educational and industrial premises, sites, educational facilities equipped with training facilities	A list of laboratory equipment with its type and name, including virtual laboratories, augmented reality, and interactive simulators	List of technical training tools, with indication of the type	Equipment Details				
						Inventory and equipment list of the assembly hall, sports hall, library	Computer classes, computers, specialized licensed software	"Simulation rooms "(centers)*	Education management Information System with up-to-date databases, information on integration of the HFE management system with the EHEA, third-level domain name in the zone edu.kz.	Information about the availability of online training equipment Information about online training
1	2	3	4	5	6	7	8	9	10	11
	Satpayeva 22B, IME Building 1. IME101-49, 1m2 2. IME102-73, 3m2 3. IME106-49, 3m2 4. IME205-73, 7m2 5. IME203-49, 2m2 6. IME201-49, 2m2 7. IME207-58, 1m2 8. IME02-83.5 m2	IME 106, Laboratory-CNC machine laboratory (lectures, practical and laboratory classes)	IME 02-basement, Experimental site for research work of the Department, undergraduates and doctoral students	IME 02-GH 2060ZH JET Screw-cutting lathe, Table-top Drilling machine, Vertical Drilling Machine	IME 106-Laptop + interactive whiteboard, multimedia projector		IME 201, Computers 10 pcs-Processor: Intel (R) Xeon (R) CPUE3-1230v5 @3.4 GHz 3.4 GHz 32.0 GB RAM, SolidCAM/Solidworks Licensed software			The process of acquiring new knowledge and skills outside the classroom and in direct contact with teachers is carried out using the Microsoft Teams program in the computer class, in classrooms equipped with computer equipment, a multimedia projector, and an interactive touch panel (No. 201,203,205,106).
		IME 102-Conducting training sessions (lectures and practical exercises)	IME 106- Laboratory-CNC machine laboratory	IME 106-Milling machine A3HSRi2, The MT2 lathe. Breaking Machine (WDW-50E Microcomputer controlled electronic universal testing machine)	IME 207-3D printer Guider II; 3D Printer Ayncubic mono-x 3D scanner Shining 3D Ein Scan-SE, 3D Scanner Shining 3D Ein Scan Pro 2x Plus (Color Pack module for 3D scanners Einscan Pro 2x P ), 3D Printer Creat Bot F430, 3D printer granules G5		IME 203, Computers 10-Processor: Intel (R) Xeon (R) CPUE3-1230v5 @3.4 GHz 3.4 GHz 32.0 GB RAM, SolidCAM/Solidworks Licensed software			
		IME101-Conducting training sessions (lectures and practical exercises)	IME-207 - Laboratory of digital design of technological equipment	IME102-Large instrument microscope BMI (BMI-1C GOST 8074-82), MBS-10 microscope, Infrared pyrometer S-210, mechanical micrometer, 50-75 mm, Smooth micrometer with electronic digital reading device, caliper type ShTs-II 3, caliper type ShTs-P 2, digital caliper Xp150	IME205-Interactive digital touch panel LG 75TR 3DK-B UHD with IR-Tyre Touch,75.		IMC207-Licensed software 1. SolidCAM /Solidworks 2. MSC Nastran 3. MSC Adams 4. MSC Marc 5. MSC Marc 6. Simufact Forming 7. Simufact Welding 8. Simufact Additive			

		IME201, 203- Conducting training sessions (lectures, practical and laboratory classes)		IME 207-virtual laboratory for metal cutting machines and their technological support (Xiaomi A Pro 2025.75 diagonal LED TV, Meta Quest 2 virtual reality glasses)	IMC203-OPTOMA X341 DLP Projector					
	Baitursynova 122/22 Techno Park			Hydraulic sheet bending press Press brake ZWHOPES 63T2500 with E21 gain not less than 630 KN						
				Fiber Laser Metal Cutting Machine XT-H1530 China Manufacturer						
	Satpayeva 22/2, MSK Building 1. MSK21-60, 1m2 2. MSK22-60, 4m2 3. MSK07-18m2 4. MSK05-72m2 5. MSK05a-29m2 6. MSK03-18m2 7. MSK06-72, 9m2	MSK21-Conducting training sessions (lectures and practical exercises)	MSK07 (heating devices)-conducting laboratory classes	MSK03-SNOL furnace – 2 pcs; Muffle furnace; Brinell TB – 500400 hardness tester – 2 pcs.; Drying cabinet; Anvil – 594_M_21370; Runners for mixing the molding mixture.	MSK21-Interactive computer system for presenting various files: Interactive whiteboard, OPTOMA X341 DLP Projector, Workstation kit.					
		MSK22-Conducting training sessions (lectures and practical exercises)	MSK05 (machines and technologies for processing new materials) - conducting laboratory and practical classes	MSK07-Email addresslaboratory oven SNOL - 2 pcs., scales VLt-6100-P, Drying cabinet						
			MSK05a (machines and technologies for processing new materials) - conducting laboratory and practical classes	MSK05-Punching stamps, quantity of 10 pcs., Punching stamps, quantity of 10 pcs., Combined action stamps, quantity of 2 pcs., Sequential action stamps, quantity of 2 pcs.						

	MSK03 (foundry production technology)-conducting laboratory and practical classes	MSK06-PSU-125 hydraulic press, MS-2000 press, Press CD-2122-E (2 pcs.), Press CD-2322-E odnokrivoshipny open simple action tiltable TU2-041-615-82, Robot 1254 52000N, The press machine is a multi-position sheet stamping machine with a force of 160 tons.						
	MSK06 (Machine Hall 2 --Crank presses) conducting laboratory and practical exercises							

Head of the Department of Mechanical Engineering



Nugman Ye.Z.