

Courses of the Training Center and Laboratories at the Technological University from (2025/2/2) to (2025/6/26)

Participant qualifications	Instructor's name	Goal of the course	Duration	Its date	Course Name	No
Special courses in the field of cars						
All engineers or technicians working in the field of the course	Prof. Dr. Hassanein Adnan, Eng. Haitham Mohammed Ibrahim Suhail Taleb Suleiman	A detailed explanation of computers in modern cars, the anti-lock braking .system, and the air bag system	week week week week	2025/2/6-2 2025/4/17-13 2025/5/8-4 2025/6/5-1	Protection and safety systems in modern cars	1
All engineers or technicians/mechanics-electricity	Prof. Dr. Hassanein Adnan, Eng. Haitham Mohammed Ibrahim	A detailed explanation of the types of hybrid cars, their parts, how they work, and learning about the most important accessory systems in hybrid cars.	week week week week	2025/2/13-9 2025/4/24-20 2025/5/15-11 2025/6/19-15	Hybrid cars, their types, operation, faults, and maintenance	2

All engineers or technicians/mechanics-electricity	Assist. Prof. Nizar Yasser Jassim, Majid Fadel Sajit	Learn about the types and parts of the air conditioning system, the gas used in it, the most common faults in it, and how to maintain it.	2 weeks 2 weeks 2 weeks 2 weeks	2025/2/13-2 2025/4/24-13 2025/5/29-18 2025/6/26-15	Principles of operation of air conditioning systems (window type, split unit)	3
All engineers or technicians working in the field of the course	Prof. Dr. Hassanein Adnan, Eng. Haitham Mohammed Ibrahim Suhail Taleb Suleiman	Learn about the types of transmission mechanisms, the advantages of each design, and the most important faults.	Week Week Week Week	2025/2/20-16 2025/5/8-4 2025/5/29-25 2025/6/26-22	Manual and automatic transmissions	4
All engineers or technicians/mechanics-electricity	Eng. Haitham Mohammed Ibrahim Suhail Taleb Suleiman	Getting to know the car engine, its parts, the theory of the four-stroke operation, maintenance procedures and their causes, the mechanism for disassembling and assembling the engine and examining its parts.	Week Week Week Week	2025/2/27-23 2025/4/24-20 2025/5/22-18 2025/6/19-15	Maintenance and drying of modern gasoline engines	5

All engineers or technicians working in the field of the course	Prof. Dr. Hassanein Adnan, Eng. Haitham Mohammed Ibrahim Suhail Taleb Suleiman	Learn about the electronic system ECU, EFI, SRS, and learn about computers in modern cars, their components and parts, the electronic fuel injection system, the electronic ignition system, .and sensors	2 weeks 2 weeks 2 weeks	2024/2/20-9 2025/5/22-11 2025/6/26-15	Electronic systems in modern cars and their maintenance	6
All engineers or technicians/mechanics-electricity	Hussein Ali Mardi Khaled Khader Abbas	Engine and Generator Head Fault Diagnosis	2 weeks 2 weeks 2 weeks 2 weeks	2025/2/13-2 2025/4/24-13 2025/5/29-18 2025/6/26-15	Diesel Generator Maintenance	7
All engineers or technicians/mechanics-electricity	Eng. Haitham Mohammed Ibrahim , Majid Fadel Sajit	Learn about its types, parts, mechanism of operation, the most common malfunctions in the system, and how to maintain it.	Week Week Week Week	2025/2/6-2 2025/4/24-20 2025/5/15-11 2025/6/5-1	Principles of operation of modern car air conditioning system, its malfunctions and how to maintain it	8
All engineers or technicians/mechanics-electricity	Majid Fadel Sajit Mohammed Hamza Abbas	Introduction to the installation and maintenance of air conditioning systems of all types (unit split, unit package, window type)	2 weeks 2 weeks 2 weeks 2 weeks	2025/2/13-2 2025/4/24-13 2025/5/29-18 2025/6/26-15	Maintenance of air conditioning systems of all types (unit split, unit package, window type)	9

Special courses in the field of electricity						
All engineers or technicians working in the field of the course	Dr. Samira Saadi Shajar Mohammed Hadi	Learning and training on types and systems of electrical installations	Week Week Week Week	2025/2/6-2 2025/4/24-20 2025/5/15-11 2025/6/5-1	Electrical installations and home protection devices	10
All engineers or technicians working in the field of the course	Dr. Alaa Fadel Aidan Mohammed Hadi	Learn how to design motor control panels.	Week Week Week Week	2025/2/20-16 2025/5/8-4 2025/5/29-25 2025/6/26-22	Control and operation of AC motors	11
All engineers or technicians working in the field of the course	Amir rusn klash	Solar energy systems installation training	Week Week Week	2025/2/20-16 2025/5/8-4 2025/6/19-15	Installation course for unplugged solar energy systems	12
All engineers or technicians working in the field of the course	Husam kazim matar Nasir naeim hamza Ahmad badie hasan	Developing the functional staff working on the maintenance of photocopiers and printers for the purpose of promotion.	Week Week Week Week	2025/2/13-9 2025/4/24-20 2025/5/15-11 2025/6/19-15	Printer and Copier Maintenance Course for Beginners	13
Special courses in the field of Metal filings						

All engineers or technicians working in the field of the course	Husam kazim matar Akhilas eata ealayawi Zaynab talib husayn	Developing the staff working on this type of industrial machines	2 weeks 2 weeks 2 weeks 2 weeks	2025/2/13-2 2025/4/24-13 2025/5/29-18 2025/6/26-15	Vertical and horizontal band saw maintenance and operation course	14
Specialized courses in the field of carpentry						
All engineers or technicians working in the field of the course	Naeim birisim eabd Fadil eabaas eafluk	Identify equipment and tools while observing occupational safety requirements.	Week Week Week Week	2025/2/6-2 2025/4/17-13 2025/5/8-4 2025/6/5-1	Basics of carpentry	15
All engineers or technicians working in the field of the course	Naeim birisim eabd Fadil eabaas eafluk	Comparison between manual and mechanical fasteners (use of electric machines).	Week Week Week Week	2025/2/13-9 2025/4/24-20 2025/5/15-11 2025/6/19-15	Basic and modern wood bonding operations	16
All engineers or technicians working in the field of the course	Naeim birisim eabd Fadil eabaas eafluk	Learning how to press wood and install it.	Week Week Week Week	2025/2/20-16 2025/5/8-4 2025/5/29-25 2025/6/26-22	How to make small wooden products	17
Specialized courses in the field of turning						

A graduate of a vocational high school or higher	Ahmad ghazi eabd alamir Lutfi aihmad lutfi	Preparing efficient trainees using the Works program	2 weeks 2 weeks 2 weeks	2025/2/13-2 2025/4/24-13 2025/6/5-5/25	Specialized course in design using Solid works	18
A graduate of a vocational high school or higher	Ayad tah eabd Ahmed Salman Hamoud	Preparing a specialized staff to operate and program the Fanuc system turnery and milling	2 weeks 2 weeks 2 weeks	2025/2/27-16 2025/5/15-4 2025/6/26-15	Specialized course in using Fanuc operating system	19
A graduate of a vocational high school or higher	Safa tah musaa Ayad tah eabd	Preparing a maintenance staff capable of identifying and repairing faults in programmed machines	2 weeks 2 weeks 2 weeks	2025/2/20-9 2025/5/22-11 2025/6/26-15	Specialized course for CNC machine maintenance	20
All engineers or technicians working in the field of the course	Ahmad ghazi eabd alamir Galal ghanim muhamad Eabd allah eabd alqadir	Preparing a specialized staff to operate and program the Siemens system lathe and milling	2 weeks 2 weeks 2 weeks	2025/2/27-16 2025/5/15-4 2025/6/26-15	Specialized course in using the operating system Siemens	21
Specialized courses in the field of blacksmithing						
A graduate of a high school or higher	Nada Abdul- Hadi Mahdi, Awatef Abdul- Aadil	Training participants on modern blacksmithing methods to develop cadres	Week Week Week Week	2025/2/13-9 2025/4/24-20 2025/5/15-11 2025/6/19-15	Advanced blacksmithing techniques	22

Special courses in the field of bodywork						
All engineers or technicians working in the field of the course	Husayn eali mardiy Khalid khudir eabaas	Introduction to welding and teaching the trainee how to weld.	Week Week Week Week	2025/2/6-2 2025/4/17-13 2025/5/8-4 2025/6/5-1	Bodywork welding(Masonry welding)	23
All engineers or technicians working in the field of the course	Husayn eali mardiy Khalid khudir eabaas	Training participants on air ducts and geometric shapes.	Week Week Week Week	2025/2/13-9 2025/4/24-20 2025/5/15-11 2025/6/19-15	Individual cycle and formation of air ducts heating and cooling	24
Special courses in the field of welding						
To be an engineer or technician working in the field of welding	M. M. Mohammed Sabeih Mohammed, احمد علاء حاتم	Definition of engineering cadre, process techniques and method of writing technological path for welding different metals.	Week Week Week Week	2025/2/6-2 2025/4/17-13 2025/5/8-4 2025/6/5-1	Engineering course for Tungsten Inert Gas (TIG) welding	25
To be an engineer or technician working in the field of welding	M. M. Mohammed Sabeih Mohammed, Husam ramid muhamad	Introducing the engineering staff to pipe welding techniques and how to write their technological paths.	Week Week Week Week	2025/2/13-9 2025/4/24-20 2025/5/15-11 2025/6/19-15	Engineering course in welding technology for steel and stainless steel pipes	26

To be an engineer or technician working in the field of welding	M. M. Mohammed Sabei Mohammed, Alaa Hussein Aliwi	Introducing the engineering staff to inert gas welding technology and the method of controlling process variables.	Week Week Week Week	2025/2/20-16 2025/5/8-4 2025/5/29-25 2025/6/26-22	Engineering course in inert gas welding technology	27
Special courses in the field of plumbing						
All engineers or technicians working in the field of the course	Eadi eawad eabtan Dirgham saedi eabd alsaahib Ahmad eabaas buzirik	Learning the basics of casting and its techniques	Week Week Week Week	2025/2/6-2 2025/4/17-13 2025/5/8-4 2025/6/5-1	Metal casting techniques and utilizing their data in the execution of metal workpieces	28
All engineers or technicians working in the field of the course	Eadi eawad eabtan Mufid rashid jalil Ramzi jasim muhamad	Clarifying the basic need for sand casting for complex shapes	Week Week Week Week	2025/2/13-9 2025/4/24-20 2025/5/15-11 2025/6/19-15	Principles of manufacturing engineering in casting and metal forming in sand casting	29
All engineers or technicians working in the field of the course	Eadi eawad eabtan Mufid rashid jalil Dirgham saedi eabd alsaahib	Study of the casting system and the differences in metal melting points	Week Week Week Week	2025/2/20-16 2025/5/8-4 2025/5/29-25 2025/6/26-22	Methods of casting and preparing metals in the liquid state	30

All engineers or technicians working in the field of the course	Eadi eawad eabtan Ahmad eabaas Ramzi buzirik jasim muhamad	Understanding how to manufacture molds and eliminate defects and metal excess	Week Week Week Week	2025/2/20-16 2025/5/8-4 2025/5/29-25 2025/6/26-22	Principles of metal casting, casting design, and identification of casting defects under the influence of casting and solidification conditions.	31
All engineers or technicians working in the field of the course	Eadi eawad eabtan Ahmad eabaas buzirik	Study of how furnaces operate and their types with different metals, and how to maintain them	Week Week Week Week	2025/2/27-23 2025/4/24-20 2025/5/22-18 2025/6/19-15	Principles of operation of foundry furnaces, their maintenance, construction methods, and choosing the appropriate furnace according to the different metal temperatures	32
Specialized courses in occupational safety						

The participant must have a middle school certificate, diploma or bachelor's degree.	Prof. Dr. Wissam Hameed Alawee, Ghania Yasser Mohammed	Recognizing the importance of occupational and health safety in the work environment and learning about global and local systems and methods of implementing them	Week Week Week Week	2025/2/13-9 2025/4/24-20 2025/5/15-11 2025/6/19-15	Occupational Safety	34
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