

TANZANIA ATOMIC ENERGY COMMISSION

(Official Government Body Responsible for Atomic Energy Matters)



National Training Courses on Radiation Protection and Safety for the financial year 2026/2027

One of the legal mandates of TAEC is to provide training in the field of peaceful uses of atomic energy, nuclear technology, radiation protection, nuclear safety and waste management. This role will be implemented following the attached training calendar for the financial year 2026/2027. The courses are designed to provide comprehensive knowledge on radiation safety for occupationally exposed workers across various sectors, including health, mining, industry, security, ports operations, and research. The primary objective of the training is to promote safety and security of radiation-emitting devices and radioactive materials while obtaining the maximum benefits of nuclear science and technology for social economic development.

Therefore, all Occupationally Exposed Workers and other Stakeholders are invited to apply for the training sessions as outlined in this calendar. Organizations or individuals with **specific training needs not reflected** in the current calendar are encouraged to reach out for customized arrangements by contacting us via training@taec.go.tz. The course fee is **TSh. 500,000/= per participant for five days.**

To ensure proper planning and implementation of the training programme, application **form must be submitted** to TAEC through training@taec.go.tz **before the application deadline indicated in the calendar.** Please download and fill the **application form.**

Our motto: *Atoms for Peace and Development*

NATIONAL TRAINING COURSES TO BE OFFERED BY TAEC FROM JULY 2026 TO JUNE 2027

S/N.	Title	Description	Duration	Audience	Place	Settings	Date
NT01	National Training Course on Radiation Protection and Safety for users of Nuclear Gauges	The course provides participants with awareness and knowledge on the safe operation of nuclear gauges while in operation, handling and storage	5 days	Professionals working with nuclear gauges in industry fields, construction and non-destructive testing companies	Arusha	The training will involve lectures, discussions and practical demonstration on the safe use of the nuclear gauges	August 2026
NT02	National Training Course on Radiation Protection and Safety for user of X-RF Devices	The course provides participants with awareness and knowledge on the safe operation of X-RF devices while in operation and handling	5 days	Professionals working with X-RF devices in industry fields, analytical laboratories and non-destructive testing companies	Arusha	The training will involve lectures, discussions and practical demonstration on the safe use of the XRF devices	August 2026
NT03	National Training Course on Radiation Protection and Safety for Users of X-Ray Generators during Cargo/Baggage Scanning	The course provides participants with instructions on safe operation of cargo/baggage and walkthrough scanners and metal detection	5 days	Professionals working with Security field (Police, intelligence)-X-Ray Baggage, -Mail Cargo -Airports, - Postal Office - Hotels and Storage facilities	Arusha	The course specifically for Workers operating Baggage Scanners and Metal detectors at airports, hotels and storage facilities. The course will consist of lectures and group exercises. During the course, the participants will apply the course concepts and principles through practical exercises.	September 2026
NT04	National Training Course on Radiation Protection and Safety for users of Nuclear Gauges	The course provides participants with awareness and knowledge on the safe operation of nuclear gauges while in operation, handling and storage	5 days	Professionals working with nuclear gauges in industry fields, construction and non-destructive testing companies	Arusha	The training will involve lectures, discussions and practical demonstration on the safe use of the nuclear gauges	October 2026
NT05	National Training Course on Occupational Radiation Protection in the Mining and Processing of Minerals with Naturally Occurring Radioactivity	The course provides overview on the Scientific knowledge of Sources of the NORMs and Exposure in Mining and Processing of Minerals and Safety in Mining Industry	5 days	The course is intended for miners	Arusha	The training will involve lectures, discussions and practical and good practices in handling of ores and other minerals containing natural radioactive materials	November 2026
NT06	National Training Course on Radiation Safety of X-ray Generators and other Radiation	The course will provide professionals from Radiology and Non-Medical Imaging with hands-on	5 days	Professionals working with X-rays and Medical Human Imaging -RSO Radiographers	Arusha	The course will consist of lectures and group discussions. During the course, the participants will	December 2026

	Sources Used for Medical Human Imaging	training to update their theoretical knowledge and to improve their practical skills with regard to conducting. current best practice on Diagnostic Radiology, Medical Imaging and Quality management		-Physicists -Medical Doctors		apply the course concepts and principles through practical exercises.	
S/N.	Title	Description	Duration	Audience	Place	Settings	Date
NT07	National Training Course on Radiation Protection and Safety for Users of X-Ray Generators during Cargo/Baggage Scanning	The course provides participants with instructions on safe operation of cargo/baggage and walkthrough scanners and metal detection	5 days	Professionals working with Security field (Police, intelligence)-X-Ray Baggage, -Mail Cargo -Airports, - Postal Office - Hotels and Storage facilities	Arusha	The course specifically for Workers operating Baggage Scanners and Metal detectors at airports, hotels and storage facilities. The course will consist of lectures and group exercises. During the course, the participants will apply the course concepts and principles through practical exercises.	January 2027
NT08	National Training Course on Radiation and Protection and Safety for users of Nuclear Gauges	The course provides participants with awareness and knowledge on the safe operation of nuclear gauges while in operation, handling and storage	5 days	Professionals working with nuclear gauges in industry fields, construction and non-destructive testing companies	Arusha	The training will involve lectures, discussions and practical demonstration on the safe use of the nuclear gauges	February 2027
NT09	National Training Course on Radiation and Protection and Safety for Users of X-Ray Generators during Cargo/Baggage Scanning	The course provides participants with instructions on safe operation of cargo/baggage and walkthrough scanners and metal detection	5 days	Professionals working with Security field (Police, intelligence)-X-Ray Baggage, -Mail Cargo -Airports, - Postal Office - Hotels and Storage facilities	Arusha	The course specifically for Workers operating Baggage Scanners and Metal detectors at airports, hotels and storage facilities. The course will consist of lectures and group exercises. During the course, the participants will apply the course concepts and principles through practical exercises.	March 2027
NT10	National Training Course on Occupational Radiation Protection in the Mining and Processing of Minerals with Naturally Occurring	The course provides overview on the Scientific knowledge of Sources of the NORMs and Exposure in Mining and Processing of Minerals and Safety in Mining Industry	5 days	The course is intended for miners	Arusha	The training will involve lectures, discussions and practical and good practices in handling of ores and other minerals containing natural radioactive materials	April 2027

	Radioactivity						
NT11	National Training Course on Radiation Protection and Safety for users of Nuclear Gauges	The course provides participants with awareness and knowledge on the safe operation of nuclear gauges while in operation, handling and storage	5 days	Professionals working with nuclear gauges in industry fields, construction and non-destructive testing companies	Arusha	The training will involve lectures, discussions and practical demonstration on the safe use of the nuclear gauges	May 2025
NT12	National Training Course on Radiation Protection and Safety for Users of X-Ray Generators during Cargo/Baggage Scanning	The course provides participants with instructions on safe operation of cargo/baggage and walkthrough scanners and metal detection	5 days	Professionals working with Security field (Police, intelligence)-X-Ray Baggage, -Mail Cargo -Airports, - Postal Office - Hotels and Storage facilities	Arusha	The course specifically for Workers operating Baggage Scanners and Metal detectors at airports, hotels and storage facilities. The course will consist of lectures and group exercises. During the course, the participants will apply the course concepts and principles through practical exercises.	June 2027