

1.0 PROGRAMMES OFFERED BY VARIOUS ACADEMIC DEPARTMENTS

TIRTEC is fully accredited by the National Council for Technical Education (NACTE) to offer and grant awards of Basic Technician Certificate, Technician Certificate and Ordinary diploma programmes to successful candidates. Awards offered are National Technical Level (NTA 4 – 6).

1.1 Basic Technician Certificate Programmes (NTA Level 4)

Basic Technician Certificate in Railway Transport and Logistics Management

Basic Technician Certificate in Rail Track Technology

Basic Technician Certificate in Carriage and Wagon Mechanical Technology

Basic Technician Certificate in Locomotive Electrical Technology

Basic Technician Certificate in Locomotive Mechanical Technology

Basic Technician Certificate in Electronics and Communication Engineering

Basic Technician Certificate in Transport Safety and Railway Accident Management

Basic Technician Certificate in Railway Transport Economics

1.2 Technician Certificate Programmes (NTA Level 5)

Technician Certificate in Railway Transport and Logistics Management

Technician Certificate in Rail Track Technology

Technician Certificate in Carriage and Wagon Mechanical Technology

Technician Certificate in Locomotive Electrical Technology

Technician Certificate in Locomotive Mechanical Technology

Technician Certificate in Electronics and Communication Engineering

Technician Certificate in Transport Safety and Railway Accident Management

Technician Certificate in Railway Transport Economics

Technician Certificate in Locomotive Driving Technology

1.3 Ordinary Diploma Programmes (NTA Level 6)

Ordinary Diploma in Railway Transport and Logistics Management

Ordinary Diploma in Rail Track Technology

Ordinary Diploma in Carriage and Wagon Mechanical Technology

Ordinary Diploma in Locomotive Electrical Technology

Ordinary Diploma in Locomotive Mechanical Technology

Ordinary Diploma in Electronics and Communication Engineering

Ordinary Diploma in Transport Safety and Railway Accident Management.

Ordinary Diploma in Railway Transport Economics.

Ordinary Diploma in Locomotive Driving Technology.

Table 1: Entries Qualification of Courses Offered at the Institute.

Program Name	Capacity	Program Requirement	Durations
Basic Technician Certificate (NTA Level 4)			
Basic Technician Certificate in Railway Transport and Logistics Management	100	Holders of certificate of secondary Education (CSE) with four passes in 'D' grades of any subjects excluding religious subjects.	1 year
Basic Technician Certificate in Track Technology	60	Holders of Certificate of Secondary Education Examinations (CSEE) with at least four 'D' grades in non-religious subjects including two 'D' grades in either Mathematics, Physics or Chemistry subjects; OR Holder of Certificate of Secondary Education with at least two passes of 'D' grades and possessions of at least National Vocational Technical Award NVTa level III/Trade Test Grade I in civil related field.	1 year

Basic Technician Certificate in Carriage and Wagon Mechanical Technology	60	<p>Holders of Certificate of Secondary Education Examinations (CSEE) with at least four 'D' grades in non-religious subjects including two 'D' grades in either Mathematics, Physics or Chemistry subjects;</p> <p>OR</p> <p>Certificate of Secondary Education with at least two passes of 'D' grades and possessions of at least National Vocational Technical Award NVTa level III/Trade Test Grade I either in welding and Fabrication (WF), Auto body repair (ABR) or mechanical related.</p>	1 year
Basic Technician Certificate in Locomotive Electrical Technology	60	<p>Holders of Certificate of Secondary Education Examinations (CSEE) with at least four 'D' grades in non-religious subjects including two 'D' grades in either Mathematics, Physics or Chemistry subjects;</p> <p>OR</p> <p>Holder of Certificate of Secondary Education with at least two passes of 'D' grades and possessions of at least National Vocational Technical Award NVTa level III/Trade Test Grade I in Electrical related field.</p>	1 year

Basic Technician Certificate in Locomotive Mechanical Technology	60	<p>Holders of Certificate of Secondary Education Examinations (CSEE) with at least four 'D' grades in non-religious subjects including two 'D' grades in either Mathematics, Physics or Chemistry subjects;</p> <p>OR</p> <p>Holder of Certificate of Secondary Education with at least two passes of 'D' grades and possessions of at least National Vocational Technical Award NVTa level III/Trade Test Grade I in Mechanical related field.</p>	1 year
Basic Technician Certificate in Electronics and Communication Engineering	60	<p>Holders of Certificate of Secondary Education Examinations (CSEE) with at least four 'D' grades in non-religious subjects including two 'D' grades in either Mathematics, Physics or Chemistry subjects;</p> <p>OR</p> <p>Holder of Certificate of Secondary Education with at least two passes of D grade and possessions of at least National Vocational Technical Award NVTa level III/Trade Test Grade I in Mechanical related field.</p>	1 year
Basic Technician Certificate in Transport Safety and Railway Accident Management	60	<p>targets Holders of Certificate of Secondary Education examination (CSEE) with at least four passes of any subject including physics, chemistry, Biology or mathematics with exclusion religious subjects or candidate with NVA level III in related field with at least two passes of non- religious subjects at</p>	1 year

		CSEE	
Basic Technician Certificate in Railway Transport Economics	60	The Basic Technician Certificates targets Holders of Certificate of Secondary Education Examination (CSEE) with at least four D grade passes one of them is mathematics and the rest is any subject excluding religious subjects.	1 year
Technician Certificate (NTA Level 5)			
Technician Certificate in Railway Transport and Logistics Management	100	Basic Technician Certificate (NTA Level 4) in Railway Transport and Logistics Management or Rail Transportation OR Holder of Advanced Certificate of Secondary Education Examination (ACSEE) with at least one principal pass and two subsidiaries.	1 Year
Technician Certificate in Rail Track Technology.	60	Basic Technician Certificate (NTA Level 4) in Rail Track Technology.	1 year
Technician Certificate in Carriage and Wagon Technology.	60	Basic Technician Certificate (NTA Level 4) in Carriage and Wagon Technology or Locomotive Mechanical Technology.	1 Year
Technician Certificate in Locomotive Electrical Technology.	60	Basic Technician Certificate (NTA Level 4) in Locomotive Engineering in Diesel Electrical or Locomotive Electrical Technology.	1 Year
Technician Certificate in Locomotive Mechanical Technology.	60	Basic Technician Certificate (NTA Level 4) in Locomotive Mechanical Technology.	1 Year
Technician Certificate in Electronics and Communication Engineering.	60	Basic Technician Certificate (NTA Level 4) in Electronics and Communication Engineering.	1 year

Technician Certificate in Transport Safety and Railway Accident Management	60	<p>Targets holder of Basic Technician Certificates (NTA Level 4) in Transport Safety and Railway Accident Management.</p> <p>OR</p> <p>Holder of Basic Technician Certificate (NTA Level 4) in Railway Transport and Logistics Management.</p> <p>OR</p> <p>Holder of Basic Technician Certificate (NTA Level 4) in Civil Engineering specialized in Rail track Technology.</p> <p>OR</p> <p>Holder of Basic Technician Certificate (NTA Level 4) in Mechanical Technology specialized in Locomotive Mechanical Technology or Locomotive Electrical Technology or Carriage and Wagon Mechanical Technology.</p> <p>OR</p> <p>Holder of Advanced Certificate of Secondary Education Examination (ACSEE) with at least one (1) principal pass of science subject and one (1) subsidiary pass excluding religious subjects.</p> <p>OR</p> <p>Advanced Certificate of Secondary Education from other countries with passes equivalent to the above subjects and translated by NECTA.</p>	1 year
--	----	--	--------

Technician Certificate in Railway Transport Economics	60	<p>Holders of Basic Technician Certificate (NTA Level 4) in Railway Transport Economics;</p> <p>OR</p> <p>Holders of Advanced Certificate of Secondary Education Examination (ACSEE) with at least one (1) principal pass and one (1) subsidiary pass in subject excluding religious subject.</p> <p>OR</p> <p>Advanced Certificate of Secondary Education from other countries with passes equivalent to the above subjects and translated by NECTA</p>	1 year
Technician Certificate in Locomotive Driving Technology	40	<p>Holders of Advanced Certificate of Secondary Education with two (2) principal passes in Physics and Mathematics and one subsidiary in either Geography or Chemistry,</p> <p>OR</p> <p>Holders of Basic Technician Certificate (NTA Level 4) in either Carriage and Wagon Mechanical Technology or Locomotive Electrical/Mechanical Technology or related fields</p> <p>OR</p> <p>Holders of Ordinary Diploma in Mechanical/Electrical Engineering or related fields.</p>	1 year
Ordinary Diploma (NTA Level 6)			
Ordinary Diploma in Railway Transport and Logistics Management	100	Technician Certificate in (NTA Level 5) in Rail Transportation or Railway Transport and Logistics Management.	1 Year

Ordinary Diploma in Rail Track Technology.	60	Technician Certificate (NTA Level 5) in Rail Track Technology.	1 year
Ordinary Diploma in Carriage and Wagon Technology.	60	Technician Certificate (NTA Level 5) in Carriage and Wagon Technology or Carriage and Wagon Mechanical Technology.	1 year
Ordinary Diploma in Locomotive Electrical Technology.	60	Technician Certificate in (NTA Level 5) in Locomotive Engineering in Diesel Electrical or Locomotive Electrical Technology.	1 Year
Ordinary Diploma in Locomotive Mechanical Technology.	60	Technician Certificate in (NTA Level 5) in Locomotive Mechanical Technology.	1 Year
Ordinary Diploma in Electronics and Communication Engineering.	60	Technician Certificate (NTA Level 5) in Electronics and Communication Engineering.	1 year
Ordinary Diploma in Transport Safety and Railway Accident Management.	60	Technician Certificate (NTA level 5) in Transport Safety and Accident Management.	1 year
Ordinary Diploma in Railway Transport Economics	60	The Ordinary Diploma targets holders of Technician Certificate (NTA level 5) in Railway Transport Economics.	1 year
Ordinary Diploma in Locomotive Driving Technology.	40	The Ordinary Diploma targets holders of Technician Certificate (NTA level 6) in in Locomotive Driving Technology.	

1.5 Procedures for Application and Admission

(a) Candidates applying for all programmes must apply direct to the Institute.

The modality of application is found on the Institute website: www.tirtec.ac.tz

- (b) All Candidates are required to submit to the Institute their application form, attaching certified copies of the relevant certificates i.e. CSEE/ ACSEE, valid National Examination results slips, birth certificates as well as 2 personal passport size photographs taken within the last six months.
- (c) Application forms for Ordinary Diploma Candidates are obtained at the Institute, Registrar's office or may be downloaded from our Website: <http://www.tirtec.ac.tz>. All application forms with all necessary requirements/ certificates are processed by different boards and finally selected applicants are notified.
- (d) All applications must be accompanied by a non-refundable application fee of Tsh.10,000/= and payable through control number generated by the Institute Accounts Office where the contact shall be indicated in the application form.
- (e) All interested candidates are required to fill the application forms and submit within the announced deadline.
- (f) Non-disclosure of details or provision of false information to any of the sections in the application form if discovered shall render the candidates registration with the Tanzania Institute of Rail Technology cancelled.
- (g) The applications are scrutinized and ranked according to the performance in terms of qualifications and the availability of admission chances.

2.0 Fees and Other Financial Requirements for the following programmes:

- (a) Railway Transport and Logistics Management (NTA Level 4 – 6);
- (b) Transport Safety and Railway Accident Management (NTA Level 4 – 6);
- (c) Railway Transport Economics (NTA Level 4 – 6);
- (d) Carriage and Wagon Mechanical Technology (NTA Level 4 – 6);
- (e) Rail Track Technology (NTA Level 4 – 6); and
- (f) Electronics and Communication Engineering (NTA Level 4 – 6).

Table 2: Fees Payable Direct to the Institute per Year

S/N	Description	NTA 4	NTA 5	NTA 6
1.	Tuition fee	1,000,000.00	1,000,000.00	1,000,000.00
2.	Registration fee	20,000.00	20,000.00	20,000.00
3.	Caution Money	20,000.00	20,000.00	0
4.	Stationeries	55,000.00	55,000.00	55,000.00
5.	TIRTEC Examination fee	40,000.00	40,000.00	40,000.00
6.	Library Membership fee	10,000.00	10,000.00	10,000.00
7.	Certificates fee & Transcript	40,000.00	0	40,000.00
8.	NACTE Quality Assurance	15,000.00	15,000.00	15,000.00
TOTAL		1,200,000.00	1,160,000.00	1,180,000.00

Table 3: Payments in Instalments of Tuition Fee and Other Expenses

NTA LEVEL 4		NTA LEVEL 5		NTA LEVEL 6	
1 st	2 nd	1 st	2 nd	1 st	2 nd
Semester	Semester	Semester	Semester	Semester	Semester
600,000.00	600,000.00	580,000.00	580,000.00	590,000.00	590,000.00

Table 4: Fee Structure Payable Direct to Students' Organization

S/N	Description	NTA Level 5	NTA Level 6
1.	Student's Identity Card	10,000.00	10,000.00
2.	TIRSO Fee	10,000.00	10,000.00
3.	Sports, Game & Recreation	10,000.00	10,000.00
Sub-Total		30,000.00	30,000.00

3.0 Fees and Other Financial Requirements for Locomotive Driving Technology**Table 5: Fee Structure Payable Direct to the Institute per Year**

S/N	Description	NTA Level 5	NTA Level 6
1.	Tuition Fee	1,000,000.00	1,000,000.00
2.	Locomotive Driving During Practical Training	530,000.00	890,000.00
3.	Registration Fee	20,000.00	20,000.00
4.	TIRTEC Examination Fee	40,000.00	40,000.00
5.	Library Membership Fee	10,000.00	10,000.00
6.	Certificates fee & Transcript	0	40,000.00
7..	Caution Money	100,000.00	100,000.00
8.	Stationeries	55,000.00	55,000.00
9.	NACTE Quality Assurance	15,000.00	15,000.00
Sub-Total		1,770,000.00	2,170,000.00

Table 6: Fee Structure Payable Direct to Students' Organization

S/N	Description	NTA Level 5	NTA Level 6
1.	Student's Identity Card	10,000.00	10,000.00
2.	TIRSO Fee	10,000.00	10,000.00
3.	Sports, Game & Recreation	10,000.00	10,000.00
Sub-Total		30,000.00	30,000.00
GRAND TOTAL		1,800,000.00	2,200,000.00

Table 7: Payments in Two Instalments of Tuition Fee and Other Expenses

1ST YEAR (NTA LEVEL 5)		2ND YEAR (NTA LEVEL 6)	
1st October	2nd January	1st October	2nd January
900,000.00	900,000.00	1,100,000.00	1,100,000.00

Table 8: Payments in Four Instalments of Tuition Fee and Other Expenses

1ST YEAR (NTA LEVEL 5)				2ND YEAR (NTA LEVEL 6)			
1st October	2nd January	3rd April	4th June	1st October	2nd January	3rd April	4th June
500,000.00	500,000.00	400,000.00	400,000.00	600,000.00	600,000.00	500,000.00	500,000.00

Table 9: Costs Payable Direct to a Student by the Sponsor per Academic Year

SN	Description	Amount (Tshs.)
1.	Medical fee (to only those without NHIF) is paid in each academic year	50,400.00
2.	Accommodation is paid per each academic year	100,000.00
3.	Minimum charges for meals per semester	840,000.00
4.	Minimum field attachment allowance for two months (60 days) paid in every academic year	600,000.00
5.	Minimum book allowance (Paid every academic year)	200.000.00

NOTE:

1. Health Insurance payments are mandatory. A student who has no NHIF card or any other officially recognized Health Insurance Card they should pay cash Tshs. **50,400/=** to the Institute for processing his/her NHIF card.
2. Institute Hostels are in adequate and paid once in each academic year.
3. Students' meals are offered by the Third party.
4. The Institute reserves the right to change or modify fees costs rate from time to time. It is the responsibility of the student to ensure that fees and other costs, (either in full amount or specified instalments), are remitted timely to the institute through generated control number.
5. Student who have not paid stipulated payments will not sit for final examination at the end of each semester or will not be awarded a certificate by the Institute unless he/she has fully paid the relevant dues.
6. Paid fees are non-refundable.