

Torq Zone Academy has been training bicycle mechanics since 2014 at its site in Centurion, Pretoria.

What makes us the Bicycle Training Centre of Excellence?

National Qualification accreditation
 International Cytech technical accreditation
 Professional, fully equipped workshop
 Fully qualified facilitation
 Commitment to the bicycle mechanic occupation

Training Offerings

We offer the national qualification, the Occupational Certificate: Bicycle Mechanic, NQF Level 4, and the internationally recognised Cytech technical scheme, for bicycle technicians.

Learners can choose to complete only the Cytech technical scheme, or the Cytech technical scheme and the National Qualification. A consideration for the learner in this regard will be their availability and willingness to complete the WEC and EISA as explained further herein.

Below are the training programmes we offer.

Junior Technician Programme – Learning on this programme forms the foundation and core of bicycle maintenance and repair. Learning areas cover knowledge and skills related to workshop practices and legislation, frame preparation, groupset servicing and repair, and basic wheel building. The grey column below indicates the duration of class time at Torq Zone Academy.

NQF Alignment	Cytech Alignment	Entry Requirement	Class Based Duration for Knowledge & Practical Component (KC & PC) at Torq Zone Academy	Course Fee	Work Based Duration for Work Experience Component (WEC) at an accredited workshop **	External Independent Summative Assessment (EISA) Required***
Occupational Certificate: Bicycle Repairer, NQF Level 3	Cytech technical one*	NQF Level 2 with Communication	3 days (theory in class) 2 days (theory online)	R5,600	27 days	Yes
	Cytech technical two	Cytech technical one	8 days	R15,900		

* Cytech technical one has a theory and practical component. The theory component can be completed online or in class.

** Compulsory for learners wanting to complete the National Qualification. Learners arrange for own placement in collaboration with TZA.

*** Compulsory for learners wanting to complete the National Qualification. This component is not yet implemented as the assessment tool has not yet been finalised by the SETA.

Cytech Breakdown

Course	Component	Learning areas
Cytech technical one	Theory	<ul style="list-style-type: none"> • Workshop practices • Torque • Lubrication • Tyres and tubes • Manufacturers • Health and safety • Consumer legislation
	Practical	<ul style="list-style-type: none"> • Frame alignment & preparation <ul style="list-style-type: none"> ○ Rear triangle alignment ○ Dropout alignment ○ Hanger alignment ○ Headtube facing & reaming ○ Bottom bracket shell facing & tapping ○ Fork crown facing ○ Threaded fork tapping ○ Internal tapping • Pre-delivery inspection
Cytech technical two	Groupset servicing and repair	<ul style="list-style-type: none"> • Headsets • Cranksets • Bottom brackets • Gears • Hubs • Brakes
	Wheel building	<ul style="list-style-type: none"> • Spoke length calculation • Wheel lacing • Wheel truing

Senior Technician Programme – Learning on this programme focusses on the knowledge and skills related to bicycle specialist componentry maintenance. Learning areas covered include hydraulic brake servicing and repair, suspension servicing and repair, advanced wheel building, and electronic groupsets setup. The grey column below indicates the duration of class time at Torq Zone Academy.

NQF Alignment	Cytech Alignment	Entry Requirement	Class Based Duration for Knowledge & Practical Component (KC & PC) at Torq Zone Academy	Course Fee	Work Based Duration for Work Experience Component (WEC) at an accredited workshop*	External Independent Summative Assessment (EISA) Required**
Occupational Certificate: Bicycle Special Components Repairer, NQF Level 4	Cytech technical three	Junior Technician Programme	6	R15,370	21 days	Yes

*Compulsory for learners wanting to complete the National Qualification. Learners arrange for own placement in collaboration with TZA.

** Compulsory for learners wanting to complete the National Qualification. This component is not yet implemented as the assessment tool has not yet been finalised by the SETA.

Cytech Breakdown

Course	Component	Learning areas
Cytech technical three	Hydraulic brakes	<ul style="list-style-type: none"> • Mount & post preparation • Lever servicing • Calliper servicing • Hose installation • Brake bleeding
	Suspension	<ul style="list-style-type: none"> • Suspension fork servicing • Rear shock servicing • Pivot servicing
	Advanced wheel building	<ul style="list-style-type: none"> • Offset rim & frame spoke length calculation • Asymmetrical rim spoke length calculation • Straight pull spoke lacing • Spoke tying & soldering
	Electronic groupsets	<ul style="list-style-type: none"> • Shimano Di2 (road) installation & setup • SRAM AXS (MTB) installation & setup

It is important to note that although Torq Zone Academy is accredited by the QCTO to offer the National Qualification learners are not yet able to achieve it as the Sector Education and Training Authority (SETA) has not yet finalised the EISA assessment tools.

We have no strict academic entry requirements but learners should be older than 16 years (no maximum age), have a good command of English, ability to measure in millimetres, a basic mechanic aptitude, and a willingness to learn.

We run a set of these programmes every second month for six learners at a time. The learner can choose to complete them consecutively in one calendar month, or staggered over a period of their determination.

Classes run from 08h30 to 16h00 on weekdays at our site in the Doringkloof Mall, Centurion, Pretoria.

The following savings packages are available for course fees paid upfront:

Savings Package	Programmes	Normal Price	Package price	Savings
Gold (15% Saving)	Junior & Senior Technician Programmes	R36,870	R31,340	R5,531
Silver (10% Saving)	Junior Technician Programme	R21,500	R19,350	R2,150

To see the course schedule and/or make a booking go to www.torzzoneacademy.co.za.



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Unior tools are manufactured in Slovenia, Europe and have been producing hand tools for 100 years.

Torq Zone Academy imports and retails these tools. We are the experts when it comes to bicycle tools and workshop tool needs.

We pride ourselves on being able to give accurate, timely advice regarding workshop setup and tool choice.

Torq Zone Academy learners automatically qualify for a 20% discount on Unior tools.

Why Choose Unior Bike Tools

- Solutions for very latest bicycles on the market
- Designed with leading bike manufacturers
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