

## THE TECHNOLOGY CENTRE

The Technology Centre, a Strategic Unit of Harare Institute of Technology, is offering the following intensive short-term courses for competence development to interested corporate organisations, entrepreneurs and professionals. You are awarded a proficiency related certificate at the end of each training based on performance merit.

Field	Course Title	Fees (include teas & lunches (US\$))	Session Period	Maximum number of students
Manufacturing	Computer Aided Design & Draughting (CADD)	500	5 days	10
	Autodesk Inventor	400	5 days	10
	Computer Aided Manufacturing (CAD/CAM/CAE)	1000	10 days	10
	Applied Hydraulics & Pneumatics	300	5 days	10
	Basic Welding Technology (Arc/Spot/Gas)	300	5 days	10
	Aluminum Welding (TIG)	400	5 days	5
	Metal Inert Gas Welding (MIG)	400	5 days	5
	Finite Element Analysis with ANSYS	600	5 days	10
	Computer Aided Design with Pro-Eng	500	5 days	10
	Refrigeration & Air Conditioning Service and Repair	400	5 days	10
	Autodesk Inventor Parametric Modelling	500	5 days	10
	Product Development & Manufacturing Tooling Technology	1500	10 days	10
	Work Measurement	500	2 days	20
	Facilities and Workplace Design	500	2 days	15
	Yellow Belt Lean Six Sigma for Process Improvement	200	1 day	20
	White Belt Lean Six Sigma for Process Improvement	500	2 days	20
	Green Belt Lean Six Sigma for Process Improvement	1000	3 days	20
	Black Belt Lean Six Sigma for Process Improvement	2000	8 days	20
	Reliability Centered Maintenance	400	5 days	20
	Total Productive Maintenance	500	5 days	20
	Destructive Testing Techniques	300	3 days	10
	Non-destructive Testing Techniques – Level 1	400	5 days	10
	Non-destructive Testing Techniques – Level 2	600	10 days	10
	Taguchi Design of Experiments for Robust Product and Process Design	500	3 days	20
	Centrifugal Pump Design & Applications	400	5 days	100
ICT	Database Design	500	10 days	20
	Introduction to Visual Basic .Net Programming	600	10 days	20
	Applied Project Management in an Information Technology Environment	500	5 days	20
	C++ Programming	600	10 days	20
	Introduction to Java Programming	500	10 days	20
	Cyber Security	600	10 days	20
	Linux Administration I	300	3 days	20

Bio-pharmacy	Viral Vaccine Manufacture	1500	5 days	10
	Commercialization of New Biological Drugs	300	1 day	20
	Bio-pharmaceutical Analysis	1000	3 days	10
	Downstream Bio-pharmaceutical Processes Design	1100	3 days	10
	Navigating a Changing Pharmaceutical Regulatory System	500	3 days	10
	Fermentation Engineering	1100	3 days	10
	Formulation & Stabilization of Bio therapeutics	1800	3 days	10
Bio-technology	Cell Culture Bioreactors for MAb Production	1100	3 days	10
	Fundamentals of Mammalian Cell Line Development	1000	3 days	10
	Microbial Contamination Control in Bioprocessing Operations	800	4 days	10
	Oyster Mushroom Production Technology	400	3 days	20
	Sweet Potato Production Technology	400	3 days	20
Energy	Energy Efficiency Enhancement in Industry	600	5 days	10
	Thermal Use of Solar Energy	150	3 days	10
	Hybrid Renewable Energy Systems	500	3 days	10
	Biogas Plant Design and Construction	700	5 days	15
Electronics	Programmable Logic Controllers (Siemens PLCs)	300	5 days	10
	AC Drives	300	5 days	10
	Electronic Circuit Design	200	5 days	15
	Instruments & Calibration	500	5 days	10
	Digital Control Systems Design	500	5 days	10
Operations & Leadership	Organizational Transformation and Change Management	800	3 days	20
	Enterprise Risk Management	800	3 days	20
	Warehousing Management	500	2 days	10
	Projects Team Leadership and Goal Getting	300	2 days	20
	Technopreneurship Development	500	5 days	10
	Strategic Leadership	1000	5 days	20
Business Management	Financial Management for Engineers	500	2 days	20
	Digital Marketing	1000	5 days	20
	Technology & Innovation Management	1000	5 days	20
	Electronic Commerce Overview	300	2 days	20
	Decision Support Systems	800	5 days	20
	Enterprise Resources Planning	1000	5 days	20
Chemical	Landfill Technology	800	5 days	20
	Soaps and Detergents Manufacture	500	5 days	20
	Paper Manufacture	500	5 days	20
	Water Treatment Processes	600	5 days	10
	Chemical Processes	600	5 days	10
	Corrosion Protection Techniques	600	5 days	10
	Introduction to Portable Water Treatment	600	5 days	10
	Practical Distillation Technology	1000	3 days	10
Safety, Health and Environment	Anaerobic and Biological Processes of Waste	600	5 days	10
	Applied Environmental Informatics	600	5 days	10
	Wetlands and Catchment Management	600	5 days	10
	Environmental Legislations & Auditing	600	5 days	10
	Environmental Impact Assessment	600	5 days	10
	Safety, Health & Environment (SHE)	600	5 days	10
	Evaluating Sustainability	600	5 days	10
	Health, Sanitation and Wastewater Treatment	600	5 days	10
	Waste Composting	600	5 days	10
	Waste Disposal and Resource Recovery	600	5 days	10
	HAZOP	600	5 days	10
	Fundamentals of Process Safety	600	5 days	10

	Hazard Study Awareness	200	1 day	10
	Human factors in Health and Safety	500	2 days	10
	Process Safety Management	1000	5 days	10
	Carbon Foot-printing	300	2 days	10
	Occupational Health	300	2 days	10
	Risk Assessment Techniques	500	3 days	10
	Safety Auditing	400	2 days	10

Conventional training sessions are scheduled as follows. Weekend, Evening, block and Outreach sessions are opened as per group request. For further details contact: Reception on 04 741 434 or 04 741 427/8 ext 2222-3 or send e-mail to [tc@hit.ac.zw](mailto:tc@hit.ac.zw) or visit [www.hit.ac.zw](http://www.hit.ac.zw) for more details.

### 2014/2015 Training Calendar

- Session 1: 18 - 29 August 2014
- Session 2: 29 September - 10 October 2014
- Session 1: 12 - 23 January 2015
- Session 2: 29 June - 10 July 2015
- Session 3: 03 - 14 August 2015

***NB: Customised courses that are not listed above can be arranged subject to customer request. We also provide technical consultancy services in a number of fields related to the above as well as specialised jobbing activities.***

**Registration process: Direct your payment to the following banking details after verifying place availability in the next coming sessions and whether you qualify or not for the selected course/s with us. Retain copy of your bank deposit slip and produce it as proof of payment to HIT Accounts Department in person or through sending scanned copy through e-mail. You will be issued an HIT receipt which you will use to complete the registration process with the HIT's Technology Centre office. Registration process strictly open at most one week before the start of the scheduled session.**

#### **Our Banking Details:**

**CBZ  
Sapphire Branch  
A/c #: 02420583120037**