WORLD WIDE INDUSTRIAL & SYSTEMS ENGINEERS



EXPLAIN THE PRINCIPLES OF BUSINESS AND THE ROLE OF INFORMATION TECHNOLOGY

Unit Standard: 114050



Course Information

mictseta
Programme Approval no:LPA/00/2018/07/0026
Media, Information and Communication Technologies Sector Education and Training Authority
Accelerating quality skills towards an information savvy society

Qualification Title	National Certificate: Information Technology (Systems Development)
Course Title	Explain the Principles of Business and The Role of Information Technology
Course Level	5
Course Credits	4
Course Duration	Three days
Cost of Course	R 2 800,00 per delegate (excluding 15% VAT)

Course Overview

This Unit Standard intends to provide conceptual knowledge of the areas covered, especially for those working in, or entering the workplace in the area of Information Technology. Or as additional knowledge for those wanting to understand the areas covered. Management considerations affecting single and multi-user systems, network architecture, database management systems, and the software development process are highlighted. Delegates investigate the many types of information systems utilized by modern companies, including transaction processing, decision support, executive information, functional area support, strategic, and expert systems.

Systems Development

Who Should Attend?	• This course is for anyone interested in the field of system development and computer architecture concepts.
Course Objectives	• Describe fundamental business concepts. • Describe systems theory with respect to information systems. • Explain how IT can be used in business. • Explain the relationship between a business and its information needs.
Benefits	Benefits of this course include learning to: • Work effectively with others as a member of an organisation. • Organise and manage him/her self and his/her activities responsibly and effectively. • Collect, analyse, organise, and critically evaluate information. • Communicate effectively using visual, mathematical and or language skills in the modes of oral and/ or written persuasion when engaging with systems development. • Use science and technology effectively and critically, showing responsibility towards the environment and health of others. • Demonstrate an understanding of the world as a set of related systems by recognising that problem-solving contexts do not exists in isolation.

Course Content

Course Modules	Course modules consist of: 1. Types of business organisations 2. Common objectives within which businesses operate 3. The environment within which businesses operate. 4. The concept of a system. 5. Theoretical components of a system. 6. Types of information systems. 7. The purpose of computer applications in business. 8. The functions of computer applications in business. 9. The effects of IT on business systems. 10. Distinguishing data and information. 11. The role of information in decision making. 12. The main threats to data security and integrity.

	13. The sub-systems that make up a business and the information needs associated with each sub-system.
Certification and Assessments	All delegates who complete the summative assessment will be assessed, moderated, and receive a SOR (Statement of Results). Thereafter a Certificate of Competence from WWISE (or SETA for qualifications) will be issued.

About WWISE

Who are we?	World Wide Industrial & Systems Engineers (WWISE) is an ISO consultancy, training, business solutions, and systems implementation firm based in Southern Africa that provides clients with effective business processes management solutions in preparation for ISO compliance. The solutions we provide and implement allow our clients to compete favourably in modern competitive business environments, both locally and internationally. We also strive to be the leading training providers in SHERQ, ISO, Engineering, Finance, Business, and Project Management.
What do we do?	Our services are aimed at the improvement of quality, efficiency, knowledge, and competitiveness of client companies. This service range includes: • ISO and SHERQ Systems implementation services, whereby we assist clients in meeting the requirements of (but not limited to) ISO 9001, 14001, 22000, 31000, 27001, 20000-1, 50001, and ISO 45001 Standards. • Integrated Management Systems development whereby we integrate several business systems and management solutions into a single management system to comply with standards. • Training of all employees (Shop Floor to Executive Management) in the fields of SHERQ, Engineering, Finance, Business, and Project Management to meet job responsibilities and expertise requirements of International Standards. • ISO and Legal Auditing which includes Gap Analysis Audits, Product, Process, Procedural, and Systems auditing by our registered SAATCA Auditors. • Customised web-based solutions integrating current systems to be in line with ISO requirements. We are a Level 1 BBBEE Contributor that specialises in systems development, consultancy, training, and auditing.