

**Competency Standards for National Skill
Certificate –5 in
Network and System Security (Cyber Security) in
ICT Sector**

Course Structure

SL	Unit Code and Title		UoC Level	Nominal Duration (Hours)
The Generic Competencies				
The Sector Specific Competencies				
The Occupation Specific Competencies				
1	OUCyS012L5V1	Apply Network security Assessment	5	40
2	OUCyS015L5V1	Apply Cyber Security Risk Assessment	5	35
3	OUCyS019L5V1	Apply Social Engineering	5	15
4	OUCyS020L5V1	Apply Cloud security Concepts	5	30
5	OUCyS016L5V1	Interpret Cryptography	5	30
6	OUCyS010L5V1	Perform Pen Testing	5	60
7	OUCyS018L5V1	Apply Threat hunting concepts	5	50
8	OUCyS0023L5V1	Interpret IT Security Auditing	5	30
Total Nominal Learning Hours				250

The Occupation Specific Competencies

Code	Unit of Competency	Elements of Competency	Duration (Hours)
OUCyS012L5V1	Apply Network security Assessment	<ol style="list-style-type: none"> 1. Interpret Network security concepts. 2. Implement Network Security 3. Assess Network security 	40
OUCyS015L5V1	Apply Cyber Security Risk Assessment	<ol style="list-style-type: none"> 1. Interpret Cyber Security Risk Assessment 2. Assess IT Risk 3. Analyze Risk performance 4. Prepare Risk Assessment Report 	35
OUCyS019L5V1	Apply Social Engineering	<ol style="list-style-type: none"> 1. Interpret the social engineering concepts 2. Identify the social engineering threats 3. Identify Social engineering tools 4. Analyze the social engineering attacks 	15
OUCyS020L5V1	Apply Cloud security Concepts	<ol style="list-style-type: none"> 1. Interpret Cloud Computing concept and Roles 2. Identify Key Characteristics of Cloud Computing 3. Identify Building Block of Cloud Technologies 4. Identify Cloud Service Capabilities and Deployment Models 5. Practice cloud computing activities and services 6. Apply cloud security 	30
OUCyS016L5V1	Interpret Cryptography	<ol style="list-style-type: none"> 1. Interpret Security Service goals 2. Classify classic Encryption technique 3. Categorize PKI component 4. Interpret Digital Certification workflow 5. Interpret cryptography algorithm 6. Perform Steganography 	30
OUCyS010L5V1	Perform Pen Testing	<ol style="list-style-type: none"> 1. Identify Penetration Testing Tools 2. Perform Penetration Testing 3. Prepare VAPT report 	60
OUCyS018L5V1	Apply Threat hunting concepts	<ol style="list-style-type: none"> 1. Identify Cyber Threat Hunting and articulate its value to an organization 2. Interpret Cyber threat hunting methodologies and techniques 3. Analyze Cyber Threat hunting 4. Follow Incident Response and Incident Handling 	50

<p>OUCyS0023L5V 1</p>	<p>Interpret IT Security Auditing</p>	<ol style="list-style-type: none"> 1. Interpret IT Security Audit 2. Interpret Auditing Information System 3. Use of Information Systems Operations Maintenance and Service Management 4. Interpreted Information Systems Acquisition, Development and Implementation 5. Interpret the protection of information assets <p>Apply the Governance and Management of IT audit</p>	<p>30</p>
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