

The University of Dodoma

**Office of the Deputy Vice Chancellor Academic,
Research and Consultancy**



**College of Informatics and Virtual Education
Department of Electronics and Telecommunications
Engineering (ETE)**

Switching, Routing, and Wireless Essentials - (CCNA 2)

15th to 27th July 2024

1. Introduction

The Switching, Routing, and Wireless Essentials (SRWE) is the second course in the Cisco Certified Network Associate (CCNA) Version 7.0 curriculum. It helps students develop a comprehensive foundation for designing, securing, operating, and troubleshooting modern computer networks, on the scale from small business networks to enterprise networks. It puts more emphasis on hands-on learning and essential career skills like problem solving and collaboration.

2. Learning Outcomes

By the end of the SRWE course series, students will gain practical, hands-on experience preparing them for the CCNA certification exam and career-ready skills for associate-level roles in the Information & Communication Technologies (ICT) industry.

3. Course content

S/N	Course outline	S/N	Course outline
i.	Basic Device Configuration	ii.	Switching Concepts
iii.	Virtual Local Area Networks	iv.	Inter-VLANs Routing
v.	STP concepts	vi.	Ether-Channel
vii.	DHCPv4	viii.	SLAAC and DHCPv6
ix.	FHRP concepts	x.	LAN Security concepts
xi.	Switch Security Configuration	xii.	WAN Concepts
xiii.	WAN Configuration	xiv.	Routing Concepts
xv.	IP Static Routing	xvi.	Troubleshoot Static and Default Routes

4. Target Group

This course is intended for professionals and/or students in the field of ICT.

5. Method of Delivery

The mode of delivery is instructor led program and will take 70 hours of theory and practical sessions to complete.

6. Duration

The course will run from 15th to 27th July 2024.

7. Course fees and mode of payment

The program fee is TZS 700,000 for non- students and TZS 300,000 for students payable to the University of Dodoma account.

Account details.

Bank Name: CRDB

Name: UDOM CONSULTANCY AND SPECIAL PROGRAMME

Account Number: 01J1082491700

Payment for: Networks Switching, Routing, and Wireless Essentials - (CCNA 2)

8. Mode of Application

Interested applicants are invited to submit their details before 13th July, 2024 using an online form by clicking this link: [Apply to CCNA-2](#)

9. Venue

The training will be conducted at the University of Dodoma, College of Informatics and Virtual Education.

10. Award

Certificates will be awarded to participants who will participate the training program successfully.

11. Inquires

For any query, please do not hesitate to contact the program coordinator; Dr. Alex F. Mongi, Mobile 0755 498 126; Email: alex.mongi@udom.ac.tz