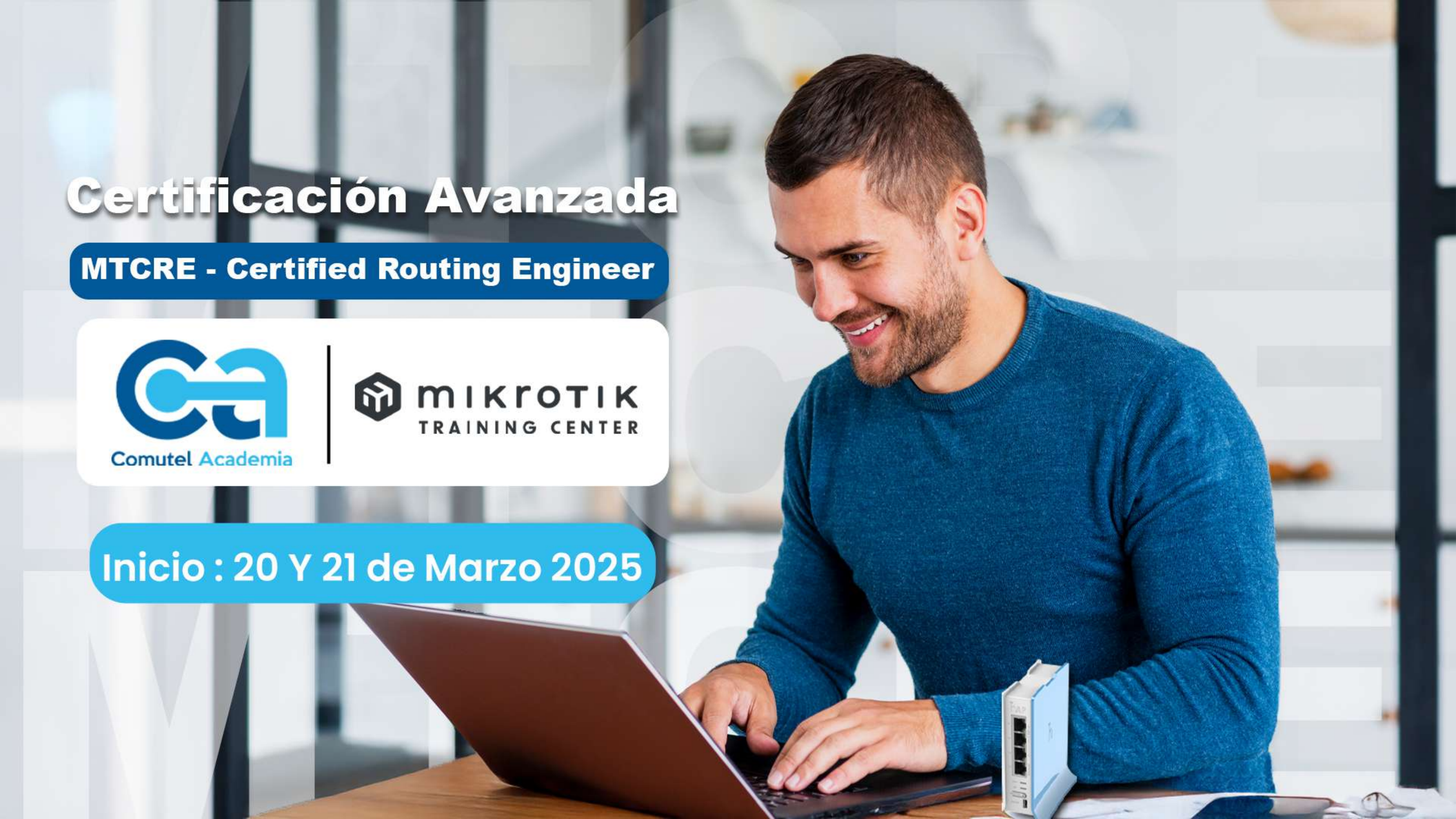
Certificación Avanzada

MTCRE - Certified Routing Engineer

Comutel Academia | MIKROTIK TRAINING CENTER

Inicio : 20 Y 21 de Marzo 2025



Duración

2 días

Público Objetivo:

Ingenieros y técnicos de redes que deseen implementar y dar soporte a redes enrutadas estáticas y/o dinámicas.

Objetivo del Curso :

Al finalizar esta sesión de entrenamiento, el estudiante será capaz de planificar, implementar y depurar configuraciones de red enrutadas con MikroTik RouterOS.

Pre-requisitos:

Certificado MTCNA.

Temario

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Módulo 1
Static Routing

- More specific routes
- ECMP
- How to force gateway over specific interface
- Gateway reachability check and route distance
- Routing mark and route policy
- Recursive next-hop and scope/target-scope usage
- Module 1 laboratory

Módulo dos
Point to Point Addressing

- Point to Point address configuration
- Module 2 laboratory

Módulo 3
VPN

- What is VPN?
- Different types of VPN
- Site to site connectivity with tunnels
- IPIP, EoIP, PPTP, SSTP, L2TP, PPPoE
- VLAN and it's usage
- QinQ implementation
- VLAN and managed switch
- VLAN and switch chip configuration on RouterBOARDs
- Module 3 laboratory

Módulo cuatro
OSPF

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- What is OSPF?
- How OSPF protocol works
- Hello protocol
- Database distribution and LSA types explained
- OSPF network structure
- Areas
- Router types
- OSPF neighbors and neighbor states (DR and BDR election)
- External Route Distribution methods (type1, type2)
- Interface cost and interface types (broadcast, NBMA, etc.)
- SPT calculation algorithm
- OSPF and multicast (problems with NBMA)
- Stub, NSSA and area ranges (route aggregation)
- Virtual links, usage and limitations
- OSPF routing filters and limitations
- Module 4 laboratory

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