

MODULES
2020/21



FACULTY OF ENGINEERING & TECHNOLOGY

CISCO CERTIFIED NETWORK
PROFESSIONAL

<https://botswana.bothouniversity.com/>





Programme details

The major purpose of the course is to afford learners an opportunity to develop an in-depth understanding and theoretical knowledge of advanced routing and switching networks. Cisco Certified Network Professional (CCNP) helps students develop the skills needed to succeed in IT-related degree programs and prepare for the Cisco CCNP certification. It provides a theoretically rich, hands-on learning experience covering advanced routing, switching, and troubleshooting skills.

CCNP equips students with the knowledge and skills needed to plan, implement, secure, maintain, and troubleshoot converged enterprise networks. The curriculum consists of three experience-oriented courses that employ industry-relevant instructional approaches to prepare students for professional-level jobs:

CCNP has three modules designed to provide classroom and laboratory experience in current and emerging networking technology and help students prepare for certification as a Cisco Certified Network Professional (CCNP). The three modules are: 1) CCNP ROUTE: Implementing IP Routing, 2) CCNP SWITCH: Implementing IP Switching, and 3) CCNP TSHOOT: Maintaining and Troubleshooting IP Networks. The number at the end of the module in parenthesis indicates the credit load of the module. 1 credit is equal to 10 hours of learning (guided, in-class and independent combined); therefore a 15-credit module requires on average 150 hours of learning from the student.

Recommended full-time study path: 1 year

Core Modules

Semester 1

- C2 - CR1 - 17: CCNA Routing & Switching 1: Introduction to Networks (15)
- C2 - CR2 - 17: CCNA Routing & Switching 2: Switching Essentials (15)

Semester 2

- C2 - CR3 - 17: CCNA Routing & Switching 3: Scaling Networks (15)
- C2 - CR4 - 17: CCNA Routing & Switching 4: Connecting Networks (15)

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Admissions Criteria

CCNA (Cisco Certified Network Associate Routing & Switching).