# Network Security and Design Summer School

Join us for an immersive and comprehensive Network Security and Design Summer School, where participants will delve into the exciting world of network security, configuration, architecture, and design. This intensive program is designed for students and professionals seeking to enhance their knowledge and skills in securing and optimizing network infrastructures.

**Course Overview:** The Network Security and Design Summer School provides a unique opportunity to explore the fundamental concepts, methodologies, and best practices in network security and design. Participants will engage in hands-on activities, practical workshops, and interactive discussions. The Network Security and Design Summer School's content is aligned with the Cisco Courses CCNA2 and CCNA3. If you succeed in passing the hands-on hackathons, you will receive Cisco certified diplomas that endorse your knowledge.

**Other Details:**

  * This summer school takes place in July, every **Monday and Wednesday, from 5pm**
  * Instructors: Răzvan Rughiniș and Flavia Oprea
  * You need to enroll in order to participate
  * If you pass the exams, you will receive CCNA2 and CCNA3 Cisco Certified diplomas
  * What you need to know: CCNA1 or basic networking concepts (OSI and IPv4 concepts)

|  | **Course 1** | **Course 2** | **Course 3** | **Course 4** | **Hands-on Lab** |
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| **3rd of July** | Introduction | Basic Switching Concepts | Routing Concepts | Static Routing | Switch Configuration + Routing |
| **5th of July** | VLANs | Inter-VLAN Routing | Etherchannel | FHRP | VLANs + Routing + Redundancy |
| **10th of July** | STP | DHCP | LAN Security | LAN Security Advanced | LAN Security Configuration |
| **12th of July** | Hands-On Hackathon | | | | |
| **17th of July** | OSPF | ACL | Network Security Concepts | Network Security Advanced | OSPF + ACL + Network Security Configuration |
| **19th of July** | NAT | WAN | VPN | IPSec | NAT + WAN Configuration |
| **24th of July** | QoS | Network Management | Network Design | IPSec | Troubleshooting Lab |
| **26th of July** | Hands-On Hackathon | | | | |

Register now for Network Security and Design Summer School: Register for NSDSS