**CASP+ study notes**

The purpose is to acquire knowledge of Risk management, enterprise security operations and architecture, research and collaboration and integration of enterprise security. This certification helps you acquire the skills to conceptualize, engineer, integrate and implement security solution across an environment in support of a more resilient enterprise.

The exam consists of 4 domains.

1. 29% security architecture (ability to integrate network and security component as well as implementation of security controls for hosts, mobile device and small phone factory devices)
2. 30% Security operations (ability to conduct vulnerability activities, threat management, implement incident response and recovery procedures and conduct security assessments using appropriate tools)
3. 26% security Engineering and cryptography (ability to integrate host, storage networks and application into a secure enterprise architecture using on premise cloud virtualization and cryptographic technologies.)
4. 15% Governance, Risk and compliance (ability to analyze security risk and frameworks that come along with specific industry threats and organizational requirements as you execute risk mitigation strategies)

SLE = AV x EF or RF ALE = SLE x ARO

Single loss expectancy = Asset value x Exposure factor or Risk factor

Annual rate Expectancy = Single loss expectancy x Annual rate of occurrence