Cybersecurity (Certificate)

The Graduate Certificate in Cybersecurity (CYS GCP) is designed for students with prior training in Computer Science and/or Electrical and Computer Engineering. The certificate will provide students with the latest technical knowledge and skills in cybersecurity and privacy principles and the engineering aspects of software and hardware security to build secure systems that are resistant to attack.

More Information

Cybersecurity Program Website (https://www.csc.ncsu.edu/academics/graduate/degrees/cyber.php)

Admissions Information

Applicants must meet ONE of the following requirements for admission into the Cybersecurity Graduate Certificate Program:

1. Have a BS degree in computer science or electrical and computer engineering from an accredited four-year college or university, and have an overall (or major) GPA of at least 3.0 on a 4-point scale.
2. Have a BS degree in the sciences or engineering from an accredited four-year college or university with an overall (or major) GPA of at least 3.0 on a 4-point scale.
3. Have a BS degree in a field other than sciences or engineering at NC State University with an overall (or major) GPA of at least 3.0 on a 4-point scale AND have completed either the CS minor or the Computer Programming Certificate.

Applicant Information

- **Delivery Method:** On-Campus, Online, Hybrid
- **Entrance Exam:** None
- **Interview Required:** None

Application Deadlines

Although there is no fixed deadline to apply for the certificate, applicants are admitted for their desired term only if sufficient time remains for full clearance and enrollment when an admission decision is made.

Plan Requirements

Code	Title	Hours
Required Courses		**6**
CSC 574	Computer and Network Security	
CSC 595	Cybersecurity Practicum	
Additional Courses		**6**
Select two of the following courses:		
CSC 514	Foundations of Cryptography	
CSC 515	Software Security	
CSC 533	Privacy in the Digital Age	
CSC 537	Systems Attacks and Defenses	
CSC 705	Operating Systems Security	
CSC 774	Advanced Network Security	
ECE 592	Special Topics In Electrical Engineering (Cryptographic Engineering and Hardware Security)	
Total Hours		**12**