Graduate Certificate in Cyber Security

The Graduate Certificate in Cyber Security is designed for students and practitioners who already hold a baccalaureate or graduate degree and are interested in further professional education in this field. The Graduate Certificate requires 15 credit hours of coursework.

Admission Requirements

The Graduate Certificate in Cyber-Security is available to students who are currently enrolled in a UTEP Graduate degree program and to non-degree-seeking students who enroll solely to obtain a certificate.

Students apply through the Graduate School by, submitting an application and the following supporting materials:

- Official transcripts of all previous academic work.
- Official scores on the Graduate Record Exam (GRE).
- Official scores on the Test of English as a Foreign Language (TOEFL), if required.
- Personal Statement of Purpose.
- Letters of recommendation (optional).
- A CV/resume with evidence of other relevant experience.

Depending on qualifications for study, students may need to complete leveling coursework at the undergraduate level. These courses are not applied towards the certificate. Applicants must be able to demonstrate knowledge of programming in high-level language such as Java or C++, including knowledge of data structure and algorithms. This can be demonstrated by completing CS 2302 Data Structures with a B or better, or by completing equivalent coursework or certification as approved by the program committee.

Required Coursework

The Graduate Certificate in Cyber Security is a 15 credit hour program. Students must complete five courses with a B average or better and with no more than one C.

Degree Plan

Required Credits: 15

Code	Title	Hours
Required Courses:		**6**
CS 5313	Computer Networks	
CS 5352	Computer Security	
Technical Electives (9) credit hours (B average or better is required)		**9**
Select three courses from the following:		
CS 5339	Secure Web-Based Systems	
CS 5340	Advanced Operating Systems	
CS 5371	Software Safety & Risk Anlysis	
CS 5375	Software Reverse Engineering	
CS 5376	Comp. Dec Making & Risk Anal	
CS 5377	Cyber-Sec for Critical Op Tech	
Total Hours		**15**