

# Certificate in Information Assurance and Cybersecurity

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The graduate certificate in information assurance and cybersecurity is a university-issued graduate certificate. It is designed for information technology professionals and graduate students enrolled in related fields who are wishing to gain training in this focused topic. Students completing this certificate will have a strong understanding of the fundamentals of information assurance and cybersecurity as well as an in-depth knowledge in critical and upcoming areas such as security and privacy in network and internet systems, cyber-physical systems and critical infrastructure, Internet-of-Things and software systems and cloud computing.

## Admission

Students seeking this certificate must be admitted to the Graduate School in one of the degree programs offered by the School of Computing or in nondegree status.

Students who do not have a minimum of a bachelor's degree in computer science, or a strong background in computer science, may be required to take additional coursework in preparation for enrollment in the certificate program.

All Graduate School policies relative to admissions apply.

## Program Requirements

Students pursuing a graduate certificate must file a plan of study for the certificate program with the graduate coordinator before half of the required credit hours are completed. Students may apply certificate coursework toward a degree program.

The certificate requires the completion of 12 credit hours from a selected list of courses.

A cumulative graduate grade point average of at least 3.000 must be maintained for all courses comprising the certificate program and no grades below *C*. In addition to these requirements, students must meet the Graduate School's requirements (<http://catalog.wichita.edu/graduate/academic-information/types-programs-courses/certificate-residency-badge-programs/>) in order to earn this certificate.

Course	Title	Hours
<b>Required Courses</b>		
CS 664	Computer Networks	3
CS 656	Introduction to Cybersecurity	3
CS 767	Foundations of Network Security	3
With the help of these required courses, students will develop a strong and sound foundation of current data and network systems, security and privacy challenges in these systems, and fundamental cryptographic and cybersecurity techniques to overcome these challenges.		
<b>Elective</b>		
Select one of the elective courses listed on the School of Computing website. Electives allow students to explore information assurance and security challenges in upcoming and modern networking, hardware and software systems.		3
<b>Total Credit Hours</b>		<b>12</b>

Students completing the certificate program receive an appropriately worded certificate from the Graduate School, and notation will be made on the student's transcript when the certificate has been awarded.