



Bachelor of Science in Cybersecurity

Graduation Requirements

The Bachelor of Science in Cybersecurity (BS in Cybersecurity) degree program requires 120 credit hours, including 45 credit hours of Core Information Technology courses, 36 credit hours of Concentration and Elective courses, 30 credit hours of Integrative Studies (General Education) courses, six (6) credit hours of Core Business courses, and a three (3) credit-hour Capstone course.

Students may complete their entire 120-credit Bachelor of Science in Cybersecurity program by taking all 45 credit hours of Core Information Technology courses, 36 credit hours of Concentration and Elective courses, 30 credit hours of Integrative Studies (General Education) courses, six (6) credit hours of Core Business courses, and a three (3) credit-hour Capstone course at Westcliff University. Alternatively, students may transfer up to 30 Integrative Studies (General Education) credit hours from another accredited school. In any option, 54 of the 60 Integrative Studies (General Education) credit hours must have academic content. Please refer to the [Transfer of Credit Policy](#) for more detailed information and requirements.

Bachelor of Science in Cybersecurity program standard duration is 4 years. The duration of the program may vary based on individual circumstance. Students must [apply for graduation](#). Upon graduation and fulfillment of all academic requirements, students receive a Bachelor of Science in Cybersecurity.

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Program Description

The Bachelor of Science in Cybersecurity program equips students with the knowledge and skills to protect digital systems, networks, and data from evolving cyber threats. The curriculum combines core IT competencies with specialized topics such as ethical hacking, network security, cryptography, and incident response. Graduates will be prepared for cybersecurity roles in government, finance, healthcare, and other critical sectors, ensuring the resilience and integrity of digital infrastructure.

Admission Requirements

For acceptance into the BS in cybersecurity program, applicants must satisfy English proficiency and one (1) of the additional criteria:

For students who obtained their credentials outside the United States from a non-English-speaking country, proof of English proficiency will be requested.

Students must also meet one of the following criteria:

- High school diploma from a university-recognized high school with a minimum 2.0 cumulative GPA or university-recognized high school equivalency such as GED, TASC, or HiSET;
- High school diploma plus a previously earned associate-level or higher degree from a nationally, regionally, or government-accredited college or university;
- High school diploma plus twenty-four (24) college-level credits (does not include remedial credits) from a nationally, regionally, or government-accredited college or university earned with a minimum 2.0 cumulative GPA;
- Approval from the admissions committee following a review of factors considered essential for academic success, including previous academic progress, non-academic achievements, and any additional information requested by the Committee as they relate to standards set by the University's governing bodies.

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Bachelor of Science in Cybersecurity Program Learning Outcomes

The BS in Cybersecurity encourages students to achieve the following educational outcomes:



- Identify and analyze potential cybersecurity threats, vulnerabilities, and attack vectors across various digital systems.
- Design and implement secure network architectures and protocols to protect data integrity, confidentiality, and availability.
- Apply cryptographic methods and security tools to safeguard sensitive information and ensure secure communications.
- Evaluate cybersecurity policies, risk management strategies, and legal frameworks within organizational and global contexts.
- Communicate cybersecurity findings, incident reports, and technical solutions effectively to diverse audiences through written and oral formats.