DOCTOR OF SCIENCE IN CYBER SECURITY

The Doctor of Science (D.Sc.) in Cyber Security is intended to be a technical program firmly grounded in computer science that emphasizes applied research in cyber security. The proposed program is intended to produce graduates with a commanding knowledge of cyber security applications and research. The program will provide a particular emphasis on technologies and techniques related to specialized cyber operations activities including: software exploitation, analysis of malicious code, and reverse engineering.

PROGRAM DELIVERY

Courses in the D.Sc. in Cyber Security program are offered remotely via internet, using a combination of live and/or archived videos of class sessions, interactive course web boards, course websites, and email. All courses are web-enhanced. The D.Sc. in Cyber Security does include a residency requirement. Please review the section on Residency Requirements.

RESIDENCY REQUIREMENTS

Students are required to complete three on-site research seminars (CSC 890, 1 credit each, taken 3 separate times) in a face-to-face setting at the Madison, SD campus. These research seminars will be held once a year and typically take place at the end of the week and through the weekend to minimize the impact on your personal and professional life. Students should plan to be on campus 3 times for 3-4 days over the course of the entire degree.

PROGRAM COMPLETION

The program can be completed on a full-time or part-time basis, with classes offered in three academic terms: fall, spring, and summer. Full-time students with a master's degree in computer science should be able to complete this program in 3 years. The program must be completed within 7 years of the semester of the students admission.

ADMISSION REQUIREMENTS

Dakota State University seeks highly motivated individuals with education and professional credentials that will enable them to be successful doctoral students. 

1. Applicants must have either a bachelor’s or master’s degree in computer science from an accredited institution to apply.
2. Minimum undergraduate grade point average of 3.0 on a 4.0 scale (or equivalent on an alternative grading system).
3. Satisfactory scores on the GRE. In some cases, the GRE can be waived. Please visit the DSU graduate office website for additional details, dsu.edu/graduate-students

SPECIFIC APPLICATION INFORMATION

1. Application deadline: All application materials must be received by May 15th for admission for the following Fall semester.
2. Entry Semesters: Students enter the program in the Fall semester only.

FACULTY

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dsu.edu/graduate-students/dsccs