CyberCREWS Program

funded by the

the Department of Homeland Security's Scientific Leadership Award

CYBERSECURITY FOR DATA SCIENTISTS

UNDERGRADUATE CERTIFICATE

APPLICATION

The University of North Texas's CyberCREWS program, supported by the Department of Homeland Security's Scientific Leadership Award, aims to advance cybersecurity technologies and capacity while promoting minority representation in Homeland Security mission areas. To this end, the program provides opportunities for UNT students and early-career faculty members to participate in research projects related to critical cyberinfrastructure security and other areas of interest to the DHS and offers an innovative undergraduate minor in cybersecurity for data science through UNT's Department of Information Science. Domestic students with an interest in contributing to the strengthening of our cyberinfrastructure within the United States are encouraged to apply for the certificate project and participate in research activities along with our leading faculty researchers in cybersecurity.

APPLICATION AND FUNDING CONDITIONS
Cybersecurity for Data Science Undergraduate Certificate Program

Program Details

In response to the recent surge in cybercrimes targeting critical government, business, and social infrastructures, the field of cybersecurity has emerged as one of the most promising career paths of the decade. With an expected growth rate of over 30% by 2032, the demand for highly skilled professionals in information and cybersecurity is skyrocketing. To address this need, the University of North Texas's Department of Information Science is excited to offer an innovative cybersecurity certificate program with the support from the U.S. Department of Homeland Security. This program equips students to tackle security threats comprehensively, covering both the human and technological aspects. If you are a domestic undergraduate or graduate student looking to enhance your expertise in this crucial field, you may be eligible for financial support to cover the program's costs. Check the eligibility criteria and funding requirements today, and take the first step toward a rewarding career in cybersecurity!

Funding Eligibility Criteria

All students are welcome to enroll and complete the courses in order to earn the Cybersecurity for Data Science undergraduate certificate.

Funding of $5000 per student is available for those who apply and meet eligibility criteria specified by our grant funding agency and the university. In order to apply for funding for the undergraduate certificate, prospective students should meet these minimum qualifications:

- Be a U.S. Citizen.
- Applicants should have an undergraduate GPA of 3.5 or higher. Those who have completed a graduate program should have a GPA of 3.0 or higher.
- Demonstrate prior coursework, knowledge, or experience of basic cybersecurity principles, or have an undergraduate major or minor in cybersecurity, data science, or information science.
- Apply and be accepted into the cybersecurity certificate program.

Students who identify as members of traditionally marginalized groups are encouraged to apply!

Funding Details

- All students accepted into the cybersecurity certificate program and meeting the qualifications outlined above will automatically be considered for a funding package will provide $1250 per course towards the completion of the Cybersecurity for Data Scientists certificate (total funding is $5000 for the four courses – two per semester for two semester – and continued funding for the second semester is contingent on successful completion of the first two courses).
- Students will also be provided with opportunities to participate in paid summer internships and research activities with top cybersecurity researchers. Students enrolled in the certificate program will receive communications from the directors on how to apply for these opportunities.

DEADLINE: Applications for the Fall 2025 cohort will be due March 1, 2025. Applications are available now and will be accepted on a rolling basis up until the specified deadline date.

All applications will be kept on file at the University of North Texas College of Information, acting as CyberCREWS Program coordinator and fiscal agent.

All applications must be typed. E-mailed applications will be acceptable with all materials digitized into electronic files in pdf format. No faxed applications will be accepted.

To help ensure that the applicant's file is complete by the deadline, all documents must be submitted in one package. **Email the documents to Gahangir.Hossain@unt.edu and Brady.Lund@unt.edu OR submit your complete application package to:**

Shipping Address (FedEx, UPS, USPS etc.):

Gahangir Hossain, Ph.D., Associate Professor of Data Science
Project Manager of the CyberCREWS Program
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College of Information
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Denton, TX 76207

CyberCREWS Cybersecurity for Data Science Undergraduate Certificate Program Application

Please follow the directions and complete your application as soon as possible. Applications will be reviewed on a rolling basis. Deadline for Fall 2025 admission is March 1, 2025.

Name:

Present Mailing Address:

Phone:

Email address:

How did you learn about this program?

Are you a U.S. citizen?

Yes   No

What is your highest level of education?

What is your most recent GPA?

Are you currently enrolled in UNT?

Yes   No

If you are not enrolled at UNT, have you submitted your application to Cybersecurity for Data Science Undergraduate Certificate Program at UNT through AppTexas.org?

Yes   No

Do you currently work or volunteer in a data science or technology setting?

Yes   No

Do you work?

Full-time   Part-time   Volunteer

If yes, what is your job title:

Please describe your current job duties and responsibilities:

Ethnic background: For reporting purposes only, we would appreciate an indication of which of the following groups best describes your ethnic background.

African American

American Indian/Alaska Native

Asian

Hispanic/Latino

Native Hawaiian/Pacific Islander

White/Caucasian

Other:_

In addition to the application form, applicants are required to include the following materials
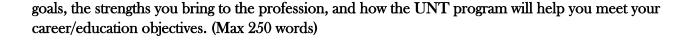
Part 1. EDUCATION AND WORK HISTORY

Submit your resume including academic and work history and contact information for places of employment. This should be included as a separate attachment.

Part 2. CYBERSECURITY STATEMENT

Summarize your prior coursework and other pursuits on the topic of cybersecurity (Max 250 words)

Part 3. ESSAY ON PURPOSE AND GOALS

What is your purpose and goals in applying to the program, the nature of your interest in data science/cybersecurity education, how you became interested in the field, and your professional path and career trajectory. What has led you to pursue a career in this field? Provide your short and long-term

goals, the strengths you bring to the profession, and how the UNT program will help you meet your career/education objectives. (Max 250 words)

Part 4. SCHOLARSHIP ESSAY

For those interested in funding support for the certificate program (must meet eligibility criteria) this question is required.

This essay is your opportunity to explain your interest in pursuing a career in cybersecurity. It is a very important part of the scholarship committee selection process. Submit a well thought out and formally written 500 to 1000-word essay discussing the following questions:

How will the Cybersecurity for Data Science Undergraduate Certificate Program contribute to your immediate or long-range career plans? How are your professional interests and goals related to this area? Which communities do you hope to support through this program and in your career? How will participation in the program assist you in achieving these objectives?

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