



## Golden Eagle Cyber Certificate Program Call for Participation – K12 Students

The **Golden Eagle Cyber Certificate (GECC) Program** is a three-course program (nine credit hours) introducing high school students to foundational cybersecurity-related topics and thought processes. The target audience for this program is any student with a natural curiosity for STEM. It is intended to provide a cybersecurity foundation for all interested students, not just those seeking a career in cybersecurity or computing. Accordingly, **a cybersecurity or computer science background is not required. There are no prerequisites for any of these courses.**

### Available Courses

The initial program will focus on the following three courses offered by Tennessee Tech University (TNTech). Additional courses will be added to the portfolio in later semesters.

- **CSC 1200 (Principles of Computing)** – Lec. 3 Credit 3. This course introduces the field of computer science. Topics include computing as a creative activity, abstraction, data and information, algorithms, programming, the Internet, and global impacts of computing.
- **CSC 2570 (Introduction to Cybersecurity and Privacy)** – Lec. 3 Credit 3. Introduction to fundamental principles, common attacks, and defense mechanisms in the area of cybersecurity, and privacy. Students will be introduced to fundamental concepts and building blocks of computers with cyber defense elements including security objectives, attack types, adversary models, policies and models, threat modeling along with anonymity, cyber security ethics, and legal issues. This is an introduction level course for students interested in cybersecurity.
- **SOC 1010 (Introduction to Sociology - cyber section)** – Lec. 3 Credit 3. Fundamental concepts and basic principles underlying human social relations including a review of cybersecurity implications. This course is open to any major and will count towards general education credit.

### Course Delivery and Scheduling

All courses are offered online via Tennessee Tech learning platforms, taught by Tennessee Tech faculty members, and fit any student's schedule (during a class period or evenings). Students need only access to an Internet-enabled computer.

### Course Funding Opportunities for Students

Students wishing to participate in the program can use TSAC Dual Enrollment Grant funds (if eligible). Eligibility requirements for the TSAC dual enrollment grant program can be found at <https://www.tn.gov/collegepays/money-for-college/tn-education-lottery-programs/dual-enrollment-grant.html>. Dual enrollment fee schedules (as aligned with TSAC funding) can be found at [https://www.tntech.edu/bursar/pdf/fees\\_22-23/Dual\\_Enrollment\\_AY\\_23.pdf](https://www.tntech.edu/bursar/pdf/fees_22-23/Dual_Enrollment_AY_23.pdf). A three-hour course is \$538.65 and would be fully covered by TSAC for eligible students. Students should reach out to their school counselor for more information about these programs.

### Become a Part of the Program NOW!

Complete information including required forms about the program can be found at <https://www.tntech.edu/ceroc/education/gecc/>. Admission and registration instructions can be found at [https://www.tntech.edu/admissions/pdf/Dual\\_Enrollment\\_Checklist.pdf](https://www.tntech.edu/admissions/pdf/Dual_Enrollment_Checklist.pdf). Speak with your school counselor today!

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