

Cybersecurity I and II

Syllabus

Ms. Jessica Akers
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Room 230

Warren County High School
199 Pioneer Ln
McMinnville, TN 37110

Digital Technology Career Cluster
1 Credit

Course Code: C10H19 and C10H20
Grade Level: 10-11 and 11-12

Course Description:

Cybersecurity I is a course intended to teach students the basic concepts of cybersecurity. The course places an emphasis on security integration, application of cybersecurity practices and devices, ethics, and best practices management. The fundamental skills in this course cover both in-house and external threats to network security and design, how to enforce network-level security policies, and how to safeguard an organization's information.

Cybersecurity II challenges students to develop advanced skills in the concepts and terminology of cybersecurity. This course builds on previous concepts introduced in Cybersecurity I while expanding the content to include malware threats, cryptography, wireless technologies, and organizational security.

Course Standards:

https://futureready-cms.tnedu.gov/sites/default/files/cte_std_cybersecurity_1.pdf

[https://futureready-cms.tnedu.gov/sites/default/files/cte_std_cybersecurity_2%20\(1\).pdf](https://futureready-cms.tnedu.gov/sites/default/files/cte_std_cybersecurity_2%20(1).pdf)

Curriculum:

Pearson Vue-Certiport-LearnKey-GMetrix for CompTIA A+, Net+, Sec+

Pearson Vue-Certiport-LearnKey-GMetrix for Cisco Certified Support Technician

Lavender, Linda K. **Principles of Cybersecurity**. 2nd ed., The Goodheart-Willcox Company, Inc., 2025.

Items Required:

Wired Headphones, Pen, Pencil, Ruled Paper, Chromebook

Grading Scale:

A (90-100)

B (80-89)

C (70-79)

D (60-69)

F (0-59)

Grades:

Calculated by totaling the number of points accumulated and dividing by the total number possible. Grades are not weighted. Assignments will include classwork, quizzes, and projects. Extra credit and resubmission of work are at the discretion of the teacher. Make-up work must be submitted in a timely manner or will result in an incomplete or zero. Check Skyward regularly for your grades/averages.

Career & Technical Student Organization:

SkillsUSA National - <https://www.skillsusa.org/>

SkillsUSA Tennessee - <http://www.skillsusatn.org/>

Classroom Rules:

- 1) Do not download anything, change any settings, or access any irrelevant information on the computers.
- 2) Keep food and drinks away from the computer workstations. Clean up your mess and pick up your trash.
- 3) Ask for the hall pass during individual work time only. Do not interrupt the group lecture.
- 4) Be punctual and prepared. Arrive on time and with your supplies.
- 5) Be responsible and accountable. Do what is expected of you and what you say you will do.
- 6) Be respectful and supportive. Don't bully anyone.
- 7) Be positive and pleasant. Have a kind demeanor and don't act sour.
- 8) Be engaged and participatory. That's how you learn.
- 9) Sit in your assigned seat. Do not line up at the door before the bell rings.
- 10) No horseplay.
- 11) We follow all board and school policies, especially the dress code. No hats.

Consequences:

1st Offense-Warning; 2nd Offense-Referral to Principal

The teacher reserves the right to make changes to this syllabus at any time during the semester. The syllabus is posted in Google Classroom and will be updated in that location if changed. The classroom rules are posted in the classroom.

Student Name _____

Period _____

Signatures verify that I and my parent/guardian have read this syllabus and understand the course standards, requirements, rules, and consequences used in this class.

Student Signature _____

Date _____

Parent/Guardian Signature _____

Date _____

SkillsUSA

Advisor Name: Ms. Jessica Akers

CTSO Name: SkillsUSA

SkillsUSA is the Career and Technical Student Organization (CTSO) that will be discussed in this classroom. SkillsUSA is a partnership of students, teachers, and industry working together to ensure America has a skilled workforce. We help each student excel. A nonprofit national education association, SkillsUSA serves middle-school, high-school, and college/postsecondary students preparing for careers in trade, technical, and skilled service occupations.

[SkillsUSA National](https://www.skillsusa.org/) - <https://www.skillsusa.org/>

[SkillsUSA Tennessee](http://www.skillsusatn.org/) - <http://www.skillsusatn.org/>

CTSO Parent Permission Slip

Tennessee Code Annotated, Section 49-6-1031(b) states that: (b)(1) A school shall not allow a minor student to become a member of a club or organization, or allow a minor student to participate in any activity of a club or organization, unless the student's parent or legal guardian first provides consent to the student's membership or participation in a dated, written consent. (2) As used in this subsection (b), "minor student" means a student who is not eighteen (18) years of age or older.

Signatures verify that I give permission for my child to receive information about and/or join and participate in SkillsUSA at Warren County High School during the 2026-2027 school year. My child may not attend a SkillsUSA-sponsored meeting or event until a parent/guardian permission slip has been signed and turned into the SkillsUSA advisor at WCHS.

Student Signature _____

Date _____

Parent/Guardian Signature _____

Date _____