

Cybersecurity 1a: Foundations

(CTE-064-300-002)

CTE Syllabus

Course Description

We depend more on the technologies we interact with every day; and we put more and more of our personal data out there online. Can all of that data really be kept “secret”? Learn about the various parts of your computer, how they work together, and how you can manipulate them to keep your data safe. Dive into the tools, technologies, and methods that will help protect you from an attack and discover the many opportunities in the rapidly growing field of cybersecurity.

Prerequisites

There are no prerequisites for this course.

Course Materials

All the reading material students need is included in this course.

In addition, students will need access to these types of applications.

Physical

- Audio recording device
- Video recording device
- USB memory stick (Recommended to be at least 4 GB)

Software

- Word processing software

- Presentation software
- [Crouton](#) (Required for Chromebook users - must have Chrome OS 69 or higher)

Optional

- Printer
- Blank paper (a variety of sizes)
- Markers, crayons, pens, pencils

Course Outcomes

The unit learning objectives are listed in the Course Introduction and on the Unit Objectives page for each unit.

Grading and Assignments

The letter grade in this course will be based on these assignments and exams.

Assignment or Exam	Grading	Percent of Total Grade
2 Critical-Thinking Journal Documents	Teacher-Graded	20%
8 Unit Activities	Teacher-Graded	40%
8 Unit Quizzes	Computer-Graded	20%
1 Midcourse Quiz	Computer-Graded	10%
1 Final Exam*	Computer-Graded	10%

*Students must pass the final exam with a 60% or higher to earn credit for the course. They may retake the final exam once for a fee.

Due Dates

The due dates in the course are only suggestions to help the students pace themselves. You do *not* need to complete assignments, quizzes, and exams by the due date set in the course.

Critical-Thinking Journal

Each unit will have five critical thinking journal prompts. These are questions that students respond to based on what they have learned in the lessons. The journal is submitted in two places of the course: at the end of unit 4 and in unit 8.

Unit Quizzes

At the end of each unit, there is a unit quiz. The questions in each unit quiz cover all of the lesson material of that unit.

Unit Activities

Unit activities allow the students to explore deeper into the unit's content by applying the concepts to real-life situations.

Midcourse Quiz

The midcourse exam consists of 30 questions and covers the material in units 1 through 4. This quiz is **not** proctored, but it **is** timed.

Final Exam

The final exam consists of 30 questions and covers the material in units 5 through 8. It is proctored and closed book.

Students must pass the final exam with a 60% or higher to earn credit for the course.

Course Grade

The letter grade will be calculated according to these percentages.

Percent to Letter Grade Calculation	
A	100%–93%
A–	<93%–90%
B+	<90%–87%
B	<87%–83%
B–	<83%–80%
C+	<80%–77%
C	<77%–73%
C–	<73%–70%
D+	<70%–67%
D	<67%–63%
D–	<63%–60%
F (fail)	<60%–0%