



IT Fundamentals Syllabus

Course Details

Course Code: 502500CW

Subject: CTE, Information Technology Cluster

Required Prerequisites: None

Recommended Grade Levels: 9,10

Duration: Semester, Yearlong, or Varies

Course Availability: A listing of when this course is offered in the current school year can be found on the [VirtualSC Current Course Offerings page](#) (opens in a new window).

Class Times: This course has scheduled instructional meetings. Information on scheduled meetings for each course is communicated by the teacher. Recordings of these meetings will be available for students unable to attend. Students should expect to spend 7-9 hours a week working on this course independently, in addition to any live meetings, and are expected to meet the deadlines posted in the course pacing guide.

Textbook: Online material

Required Course Materials: Access to a computer with an internet connection

Outside Websites: A list of links to websites and online textbooks used in this course can be found here: [VSC Course Links Document Folder \(opens in a new window\)](#). Students will need to be able to access all of these links to access all course materials.

Final Exam: Students in this course take a VirtualSC final exam. Details on scheduling and taking final exams can be found on the [Final Exam Page \(opens in a new window\)](#) of the VirtualSC webpage.

Course Description

The IT Fundamentals course is designed to prepare the student to take the CompTIA IT Fundamentals certification exam. Instruction includes IT literacy, environmental and safety concepts, operating systems, software, hardware, networking, alternative technologies, security, and computational thinking. Students utilize the skills and

qualities of the S.C. Profile of the Graduate to analyze and solve problems within the IT industry.

The curriculum used in this course is guided by the [IT Fundamentals Standards \(opens in a new window\)](#).

Scope and Sequence

- ✧ Orientation & Introduction
- ✧ Unit 01: IT Needs
- ✧ Unit 02: Hardware
- ✧ Unit 03: Operating Systems
- ✧ Unit 04: Software
- ✧ Unit 05: Networking
- ✧ Unit 06: Security
- ✧ Unit 07: Alternative Technology
- ✧ Unit 08: Final Exam

Students will be sent a full list of assignments and their due dates at the beginning of the course.

Current pacing guides for this course can be found on the [Current Course Offerings page](#) (opens in a new window) on the VirtualSC website.

Course Grades

Initial Credit Courses:

The final grade in this course results from the following:

- Coursework: 80%
- End of Course Exam: 20%

VirtualSC Details

Information on VirtualSC student guidelines, policies and technology requirements can be found in the [VirtualSC Student Support Portal \(opens in a new window\)](#).